

The Student Record

Commencement



and Aggies' Issue

Faculty Defeat Seniors Again

Win Annual Ball Game From Graduating Class by Close Score of 5-4

On Saturday morning the faculty took a parting slam at the senior class by winning the annual faculty senior base ball game, on State Park field, by one run in the close score of 5-4. The grandstand was not filled to overflowing, but the enthusiastic crowd of faculty ladies, together with Duke Mason and other notables, made up in quality what was lacking in quantity, and every major league play was roundly cheered whether made by seniors or faculty, for the audience was impartial.

The seniors did not have a full team when the game started, and "rung in" two freshmen and a junior on their side. Later on a solitary senior meandered in on the field and he was heartily welcomed by his classmates, who played him on first base, the freshman who was holding down the sack being "given the can."

In the first inning neither side scored, Fichers, Rossi and Knight having the batters completely buffaloed.

The faculty came up to bat first in the second inning. With a few errors by the seniors to help them along, the faculty succeeded in sending Messrs Ross and Haseman across the pan for two runs. The seniors were shut out completely by Prof. Knight in the second, and by the beginning of the third the faculty had a safe lead of two runs to none, but in the third they did not even get a look at the home plate.

On coming to bat for the third time the seniors scored three runs, which were kindly and very considerably presented to them by pitcher Knight, for by this time he was amusing himself by tossing the ball lazily and straight over the pan. Wilton, Bird and Folsom scored in order.

In the fourth inning the faculty scored three runs by sending Professors Jones, Haseman and Knight over the pan. With one out Rossi raised the hopes of the faculty high by filling the bases by presenting three batters, in succession, with four ball each, only, however, to shatter them by striking out two batters in succession, and it was all the more exciting because the last batter had three balls and two strikes on him.

Miller scored a run for the seniors in the fourth, being advanced by a hit and several passed balls.

Neither side scored in the fifth, and this ended the game with the faculty ahead, 5-4. The game was called off at this time to enable the spectators, seniors and faculty to get back to town in time for dinner.

This is the second time the faculty has laid the seniors over their knee. In the soccer game of last fall the seniors were walloped roundly in a 1-0 score. Since the seniors are the baseball champions of the

Senior Theses Read Monday

14 Theses Read for Degree of B. S.; 11 for B. A.; 1 for M. A. and 1 for M. S.

Monday was Thesis Day, and from 10 to 12 m., and 2 to 4 p. m. the theses of the graduating seniors were read in Morrill Hall before a goodly audience of faculty members, students and alumni.

The theses of seniors in the College of Engineers were read in Room 4, with Professors Huntley, Boardman and Jones presiding. The theses of seniors in the Colleges of Liberal Arts, General Science and Agriculture were read in Room 5, with Professors Maxwell Adams, True and Hartman presiding, while the theses of the graduates from the Normal School were read in Room 6, with Professor Romanzo Adams, Professor Weir, and Miss Meighan presiding. The subjects of the theses and the colleges in which they were written for a degree are as follows:

College of Arts and Science
In candidacy for the Degree of Master of Arts, "Comparison of the Smiles of Homer, Appollonius and Virgil"—Dorothy Singer.

In candidacy for the Degree of Master of Science, "A Study of the Blood of the Ground Squirrel"—Eliza Henrietta Overman.

In candidacy for the Degree of Bachelor of Arts, "The Initiative and Referendum"—Lydia Colyer.

"A Critical Study of Nature in the Drama of Racine"—Alice Woodward O'Brien.

"A Comparison of Japanese and American Municipal Government"—George Yamauchi.

"Studies in the Late Pastoral of Dante and Johannes de Vergiles"—Irene Maude Conkey.

"A Comparison of the Attitude of the American and Roman Poets to the Birds"—Maude Amanda Sawin.

"Renaissance and Medieval Elements in Chaucer and Langland"—Hazel Pearl Larcombe.

"Studies in Homer and Virgil"—Frances Dorothy Parker.

"Comparison of the Wealth and Influence of the Missions of Southern California"—Irene Myrtle Mack.

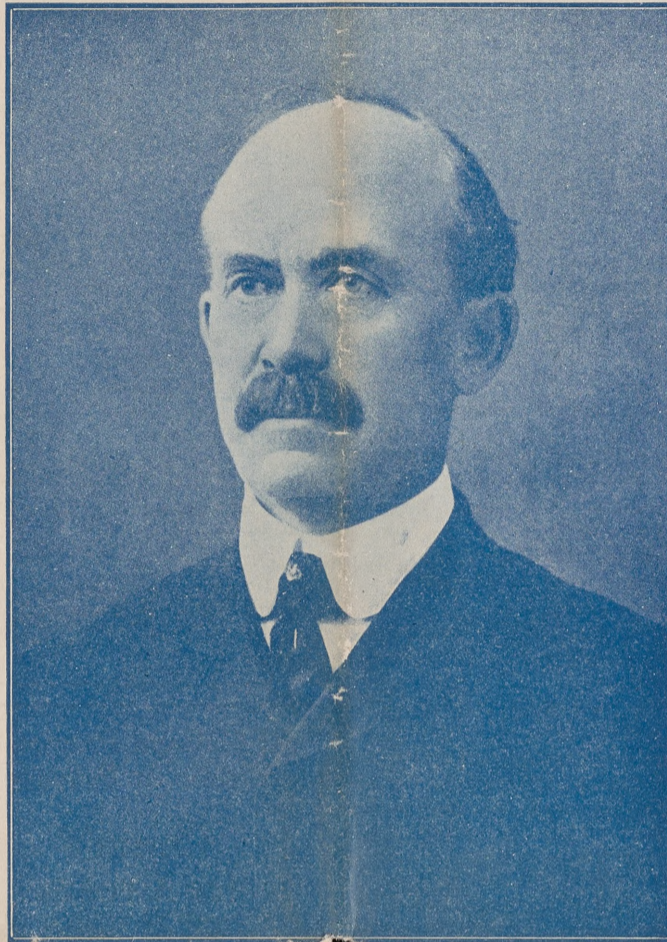
"Comparative Study of Early Lives of Chaucer"—Helen Fulton.

four classes, an argument has arisen to the effect that the faculty are entitled to the baseball championship for 1910.

The line-up for the baseball game follows:

Faculty team—Pitcher, Knight; catcher, Jones; first base, Thompson; second base, Haseman; shortstop, Scrugham, True; third base, Boardman; left field, Ross, McClure; center field, Jacobson, right field, Hartley.

Senior team—Pitcher, Rossi; catcher, Folsom; first base, Goldsworthy, Hamilton; second base, Heward; short stop, Bird; third base, Curnow; left field, Wilton; center field, Millar; right field, Sears.



DR. J. E. STUBBS

"The Nomenclature of Washoe County"—Audrey Winifred Ohmert.

"The Development and History of Elko County"—Lulu Bell Hurley.

In candidacy for the Degree of Bachelor of Science, "The Fresh Water Protozoa of the Vicinity of Reno"—Margaret Elizabeth Mack.

College of Agriculture
In candidacy for the Degree of Bachelor of Science, "Picking, Marketing and Storing of Fruit"—Wallace Dubois Alexander.

College of Engineering
In candidacy for the Degree of Bachelor of Science, "An Investigation of the Methods of Electric Lighting of Trains"—Donald Miller Bird and Ernest Deal Mack.

"Geology of Reno-Mizpah District"—Dudley Dennison Homer.

"An Investigation of Boiler Feed Waters"—George Curnow.

"Design and Construction of a Water Indicator for Hydro-Electric Plants"—William Francis Doherty.

"Comparative Tests of Cement Mortar"—Nicholas Louis Rossi.

"The Geology and Ore Bodies of the Commonwealth Mine"—Clyde Stuart McKenzie.

"Slime Filtration"—William Henry Goldsworthy and Forest Francis Bell.

"A Series of Metallurgical Tests on Northumberland Silver Ore"—Clayton Alfred Bennett.

"Pressure of Wind on Inclined Roofs"—John Archibald Miller and John Ernest Sears.

*These persons have done Thesis work but have not completed all requirements for graduation.

The State Normal School
"Home Geography"—Bertha Cliff and Gussie Kaiser.

"Music and Civilization"—Helen Hanley.

"Tea"—Alma Vaillencour.
"Coffee"—Margaret Monahan.

COMMENCEMENT DAY

Today is the crowning event of the collegiate year. For four long years the seniors have toiled for their sheepskins and the reward of their long labor is now at hand. At ten o'clock the academic procession will form under the direction of junior marshal Creel. The day's programme is as follows:

9:00 a. m.—Review of University Cadets by the Governor, the Regents, and the Honorary Board of Visitors.

10:00 a. m.—Commencement Exercises in the Gymnasium.

3:30 p. m.—Unveiling of the tablet in the Training Quarters, the gift of Clarence H. Mackay.

4:00 p. m.—Meeting of the University Alumni, the Normal Alumni, and the old students in the Gymnasium.

5:00 p. m.—Informal Reception in the Gymnasium by President and Mrs. Stubbs to the Alumni, old students, the Honorary Board of Visitors, Regents, Faculty and friends.

8:30 p. m.—Senior Ball, in the Gymnasium.

The following will receive degrees from the respective colleges of the University.

SCHOOL OF MINES
Clayton Alfred Bennett
William Henry Goldsworthy
Dudley Dennison Homer
Clyde Stuart McKenzie

SCHOOL OF M. E.
Donald Miller Bird
George L. Curnow
Ernest Deal Mack

SCHOOL OF C. E.
James Archibald Miller
Nicholas Louis Rossi

SCHOOL OF LIBERAL ARTS
Lydia Elizabeth Colyer
Irene Maude Conkey
Helen Fulton

Lulu Belle Hurley
Hazel Pearl Larcombe
Alice Woodward O'Brien
Audrey Winifred Ohmert

Frances Dorothy Parker
Maud Amanda Sawin

(Continued on Page Three)

Art Exhibit of Highest Order

Miss Lewers' Classes Show Results of Excellent Training in Fine Sketches

On Monday afternoon the year's work of Miss Lewers' classes in art was on exhibition in room 6 of Morrill Hall. The many visitors at the exhibit one and all were highly enthusiastic over and delighted with the beautiful and skilfully executed paintings and sketches which were tastefully hung about the walls.

On the right as one entered room 6, could be seen the work of the class of Freshman engineering students in freehand machine drawing. The sketches were highly pleasing because of their exact likeness to the original models, and because of the remarkably well executed shading and the exactness in detail. In this class the best work on exhibition was that of Nat Wilson, Harold Layman and Blair Menardi, between whom there was little choice.

The next exhibit was that of the normal and high school class. Cleverly executed original designs for plates were to be seen. Uniqueness and beauty of design and skill in execution showed the work of Misses Goodhue, Bates and Vallencour to be the best.

An interesting exhibit was that of the Special Liberal Arts class. In water color flower painting, the best work on exhibition was that of Miss Eida Barber, '11, and Miss Augusta Curler, '12. In landscape painting in water colors, Miss Gertrude Pike, '11, and Miss Shepard, a special student, did the best work. The paintings of Miss Shepard, considering the fact that they were executed after but a few months training, are remarkable, and show an immense amount of natural ability.

The most interesting exhibit, however, was that in portrait painting in algarum water colors, which is a new discovery, and cannot be told from oil painting. The work was done by Mr. Dan Bruce, '12, and Miss Rullison of the University High School. In general all around work Mr. Bruce excels, while Miss Rullison is the artist who has executed the best individual portrait. The former student had a portrait of himself on exhibition, and the latter had one of herself also. Both portraits are remarkable in that they look exactly like the individuals themselves. The flesh tints, too, are perfect, and in general execution the portraits are all that can be asked for.

These portraits are all the more remarkable because they are the first attempts at such work by these students, and it was but a month ago that the work commenced.

Among the other exhibits were designs for place cards and for embroidery, in which Misses Thoma and Henley excelled respectively. Misses Bates and Duncan of the normal school did the best work in designs for woodcarving. In historical orna-

Senior Farce Well Played

"Brown of Harvard" the Best Amateur Theatrical in Years

"Brown of Harvard," as presented by the senior class last Friday night at the Majestic theatre was the best amateur theatrical that has been seen in university and town circles for years.

From the first scene of the first act to the drop of the curtain in the last, the senior farce was full of snap and action, which was highly interesting to and appreciated by the university and townspeople present.

The play itself is typical of college life, and the plot is interesting. With the seniors to act it, real college boys and girls, and not mere actors, it was all the more interesting. How the plot would end kept the audience in a constant fervor. Everything came out all right, just as the audience wanted.

Once in the third act, it didn't look as though Harvard would win, when the big "stroke" of the varsity eight deserted the ship five minutes before the race with "The English." Again, in the last act, it looked as though the redoubtable Brown wouldn't even show, until Wilfred Kenyon made a confession. Then it all came right in a flash, though, and "Brown, of Harvard," was victorious.

The third act was the best of all, and it went through with a snap and vigor that reflected credit on the seniors and Mr. O'Sullivan, their coach. In it Ernest Mack, as the Varsity coach kept the ball rolling merrily and couldn't have given a better exhibition of the typical college coach.

The senior actors all did well. Ernest Folsom as "Tom Brown" was all that could be desired. The life and snap with which he played his part won him the applause of all, and he certainly was the man for the part. Nicholas Rossi was very good in his part as Gerald Thorne, acting the part just as it should be played. He made a fine athletic looking stroke oar on the Varsity crew.

Donald Bird showed a becoming absence of experience in handling the "jag part" of Wilfred Kenyon, whose "confession" cleared up everything.

(Continued on Page Eight)
ment, Misses Menardi and Thoma did the best work. In free hand drawing of architecture Leonard Kilcrease, '13, excelled with a drawing of the Mackay Mining building.

Another exhibit of great interest to all was that of pencil sketches of casts and heads. Dan Bruce, '12, excelled in this work with sketches of himself, his brother, Vernon Summerfield, and the Mackay statue. Everyone remarked how true to life the sketches were and how well they were executed.

Miss Lewers is certainly to be complimented for the work of the past year in her department. Of the highest order, it has attracted the attention and praise of all. The work of every student has shown the results of what excellent training under an excellent teacher can do. The University is proud of its Art Department.

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under the Act of Congress of March 3, 1879.

A Parting Word by Dr. Stubbs

This college year is just closing. In looking back over the work I am sure that the University has made decided progress and that always for the better. The standards maintained for scholarship indicate that this University is requiring of its students the best qualifications that the University can provide and that Society at large demands of the students who wear our honors.

A great deal has been written about "The Idols" of college life, and there has not been wanting champions of a new order of things who declare that attention is given to everything else in the University excepting scholarship, that that which should be the first object of the student has become the last and the least regarded. There is some truth in the criticism that colleges have been in danger of reversing the true order of things; that the students have given more attention to the incidentals of college life rather than to the broad and thorough scholarship which they are supposed to acquire in their classrooms and in private study.

The University of Nevada, I believe, has this year made great gain in her progress toward an ideal of fine scholarship, of good work in every department, (this being of the first consideration), and yet having a proper and wholesome respect for the subsidiary gain which can be made in college life, as for example, athletics, physical culture, and a recognition of proper social obligations.

The Museum

(By J. S. JONES, Curator)

At the beginning of the school year little had been done towards systematizing and labelling the rocks, ores, and minerals on exhibition in the Mackay Museum. For the most part the collection had been gathered for the different expositions such as at Omaha and St. Louis, and shipped to the university after the close of the exposition. In preparing a collection to be displayed at the Mining Congress at Goldfield, Prof. Young assembled and labelled several collections illustrating the ores and geology of several important mining camps in the state. He also got a small collection of the minerals and rocks of economic importance in Nevada. At the return of these collections at the close of the congress they were placed on exhibition in the center cases in the museum.

The general mineral exhibit at Goldfield was exceptionally well arranged and classified and at the close of the congress about seven tons of the material there displayed was selected and brought to the university. This material has in part together with material already on hand been utilized in preparing an exhibit of the typical ores and minerals of the different counties of Nevada.

During the year systematic collections of minerals and rocks have been arranged and labelled, and placed on exhibition in the cases along the sides of the room. In addition series illustrating the smelting of oxidized and carbonate ores, sulphide ores, the metallurgy of iron and antimony, the manufactures from gypsum, and materials of assaying have been arranged and labelled.

During the year in addition to numerous specimens given by friends of the university, three collections have been acquired. One was from the Mining Congress at Goldfield including representative ores from all over the state. Another was that gathered during many years by Dr. A. M. Cole, of Virginia City, and presented to the university by Mr. Mackay. Finally a systematic collection of the rocks and minerals of Goldfield collected by the

Due Thanks Rendered

The editor wishes to thank the associate editor of the Student Record for his faithful and untiring efforts which have made this last issue of the paper possible. Had it not been for Mr. Gilbert M. Tyler the paper could not have been published. Mr. Tyler alone and unaided raised the money necessary to publish the commencement issue, by giving up a whole week's time to soliciting advertisements. Not only that, he also gathered together a great part of the articles appearing in this issue. Mr. Tyler has shown himself capable and efficient in every branch of newspaper work.

The University owes him great thanks for his timely work to which this Commencement Issue is due.

Political Economy

(By ROBERT LEWERS)

Economic questions have been peculiarly interesting the past year on account of the very many problems requiring solution. The high cost of living, the conservation of natural resources, transportation problems, the ever present labor and industrial problems, constitute a living laboratory compelling attention.

I think the class found the high cost of living a question unusually interesting and instructive, not only on account of widely different views presented by eminent writers, but because it is essentially a home question. After much cogitation the class sagely concluded that the only safe answer to venture at the present time is that Halley's comet did not tarry on the earth because it feared the high cost of living would so deplete its pocketbook that it could not make the round trip and get back to the earth in time to see the question solved.

Law

The class took up the general problems involved in the law of evidence and manifested a deep interest in the problems presented. Blackstone believed that everyone should have some knowledge of the law to complete a general education and this course aims at such a result.

The carefully worked out methods of the technical law of evidence have been applied to the events of daily life with the object of training the powers of observation. Munsterberg's "On the Witness Stand," Wellman's "A Day in Court," Moore, "On Facts," and other texts have added greatly to the interest in the work.

High School Commercial Department

Bookkeeping—The bookkeeping systems of today are radically different from those of a few years ago. Results must be obtained and complete records kept in such a way that any item may be found without hesitation. The very latest and best systems obtainable are used in this department and the present classes have made commendable progress. A splendid new Burroughs Adding Machine, with split board for listing, has been added to the equipment and is a great help.

In the typewriting department several new machines of standard makes and eight splendid Toledo Art Metal typewriter stands have been purchased.

United States Geological Survey has been loaned to the university through the kind office of Mr. Ransome, the geologist in charge of the survey of Goldfield.

At present thanks to the generosity of Mr. Mackay. We have the best of equipment for the museum and there is no reason why it should not rank with the best of mining and geological museums in the years to come.

The Mechanical Dept. and Its Work

(By PROF. SCRUGHAM)

During the past year the mechanical department has accomplished much more work than during any previous year, and a larger number of its graduates and students have been placed in good positions than during any similar period. In the shops a steam engine, a steam turbine, a gasoline engine and a dynamo have been constructed. Though of small size the machines are all of high grade workmanship. The addition of a small furnace has enabled the students to undertake many pieces of cast work such as engine cylinders, casings, valves, etc., which has added very materially to the output of the shop. Such work is an excellent preliminary to the study of power engineering and develops considerable manual skill. Next year it is planned to make a water wheel, an electric motor and other similar machines. The department has recently added a number of pieces of valuable apparatus to its equipment including a pyrometer for stack temperature measurement; amateurs, voltmeters and wattmeters for electrical measurements and other instruments for determining power efficiencies and losses. This equipment is much in demand and the mechanical students have conducted a large number of commercial tests for corporations and individuals in different parts of the country, the results of which are being written up in the technical magazines and presented to the technical societies. Important tests and investigations made during the past year are as follows:

Power plant test at Carlin, Nevada, by Messrs Curnow, Bird, Mack, Long and Ogden. Power plant test at Imlay, Nevada, by Messrs Cafferata, Linton, Layman and Selby. Power plant test at Pocatello, Idaho, by Messrs Bird and Mack. Oil Burner tests at Nevada Packing Company plant by Messrs Jepson, Leavitt, Linton, Layman, Ogden, Bower, Robb and others. Electric lighting test on the Overland Limited trains between Oakland, California, and Carlin, Nevada, by Messrs Leavitt, Curnow, Jepson, Bird, Mack, Cafferata, Linton, Robb and Bower. Electric lighting test on the Sunset Express between San Francisco, El Paso and New Orleans by Messrs Leavitt, Bird and Mack. Efficiency test of Reno Gas Works by Messrs Lusk, DeMure, Jepson, Cafferata, Finney, Pearson, Hamilton and others. Several students are now assisting in the trial tests of the giant Mallet Compound locomotives, the largest in the world. These tests are being conducted between Sparks, Nev., and Roseville, California. There is probably no school in the country whose students have better opportunity to come in contact with theory and practice at the same time.

The information derived from the graduating thesis of Messrs D. M. Bird and E. D. Mack is being presented to the Association of Railway Electrical Engineers by its president, Mr. E. M. Cutting, Chief Engineer of Train Lighting for the Southern Pacific System. The information derived from the graduating thesis of Geo. Curnow is being presented to the American Railway Master Mechanics' Association by Mr. J. F. Dunn, superintendent of Motive Power of the Oregon Short Line railway. Since June 30, 1910, the department has placed Messrs. H. J. Gallagher, E. D. Mack and D. M. Bird with the General Electric Company as Test Engineers and Messrs J. A. Nadon and W. F. Doherty with the Westinghouse Electric and Manufacturing Company in a similar capacity. Grover N. Bower has been placed with the Southern Pacific company as electrician, Byron Milner has been placed as assistant to the Electrical Engineer of the Reno Power, Light and Water Company, George Curnow and M. E. Jepson have positions as special apprentice with the Oregon Short Line Railroad Company at Pocatello, Idaho. Other positions have been open but no graduates were available to fill them.

A large amount of new industrial work is being undertaken and the Mechanical Department expects to soon be in a position to fill all demands made upon it to supply well trained men.

LAST CONCERT

Cadet Band Heard on Campus of University by Large Sunday Crowd

The quadrangle of the university was a brilliant scene of color and gaiety Sunday afternoon on the occasion of the last band concert of the season given by the Cadet band. Several hundred came out to the college on the hill and assembled under the shade of the buildings, resting on the greensward on three sides of the quadrangle, while the band occupied a position around the base of the Mackay statue facing the school of mines building.

A well selected program was given under the leadership of Professor E. W. Martin, who will soon leave for the coast, and the afternoon was thoroughly enjoyed by those who responded to the influences of a beautiful Nevada day, an unrivalled view over hills and vales, and tuneful music.

The following program was given: "Star Spangled Banner".....Dauset
March, "American Spirit".....Dauset
Overture, "Storm King".....Beebe
Chopin's Funeral March.....Chopin
(By request)

Patrol, "Blue and Grey".....Dalbry
Ciribiribini.....Peralozza
Moonlight Sonata.....Beethoven
(A Transcript)

Il Trovatore.....Verdi
Gloria, 12th Mass.....Mozart
Apple Blossoms, Reverie.....Roberts
A Hunting Scene.....Buccalossi
Asi's Death.....Grieg
Southern Melodies.....Thomas
March, "On Parade".....Potts
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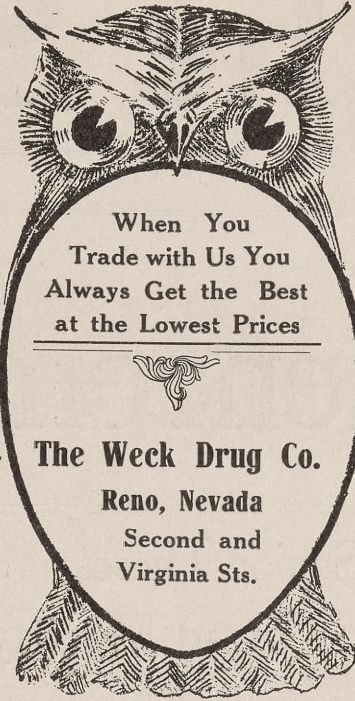
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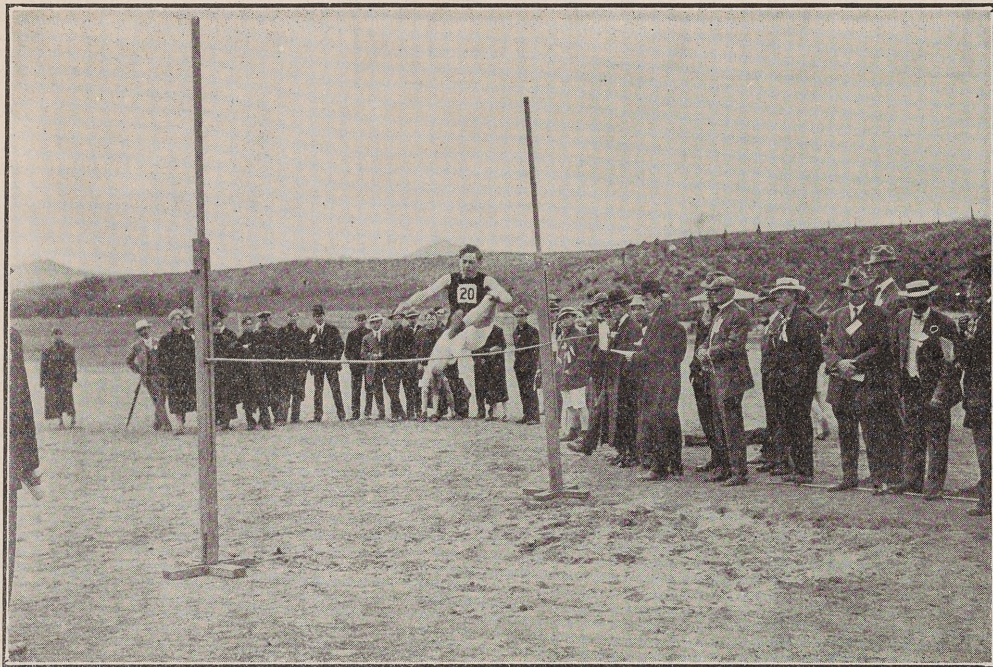
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SCENE ON TRACK MACKAY ATHLETIC FIELD

THETA EPSILON'S ENTERTAINMENT

The Theta Epsilon sorority was entertained at a breakfast last Sunday morning on the veranda of the Riverside hotel. This annual breakfast is given in honor of the new members of the sorority, and at 7 o'clock was assembled a bevy of dainty maids and matrons, all members. The place cards, consisting of snap photos of the new members, marked the places for Mrs. Dwight Dawson, Mrs. Senseny, Mrs. Charles Norcross, Mrs. Hurlley, Mrs. Scragham, Mrs. Wheeler, Mrs. Sadlier, Mrs. Joe McCormick, Misses Meda Menardi, M. McMillan, Bee Bary, Mildred Bray, Cora Cleator, Audrey Ohmert, Dorothy Singer, Elda Orr, Bes Evans, Cathern Hand, Helen Fulton, Hazel Larcomb, Mabel Larcomb, Edna Soucheran, Obe Soucheran, Florence Reid, Irene Conkey, Alice O'Brien, Ethel Webster, Vera Novacovich, Geraldine Hibbard, Emily Coffin, Eva Campbell.

Mrs. Charles Norcross and Miss Obe Soucheran entertained the members of the Theta Epsilon sorority at the Norcross home last Wednesday evening. After the business meeting the company were entertained with a magic lantern view of different members of the guests in photos as children, and in other amusing incidents. Dainty refreshments were enjoyed late in the evening by Miss Bess Evans, Mrs. Joe McCormick, Mrs. Hurlley, Miss Alice O'Brien, Miss Audrey Ohmert, Miss Hazel Larcomb, Miss Bee Bray, Miss Mildred Bray, Mrs. Charles Sadlier, Miss Dorothy Singer, Miss Elda Orr, Miss Ethel Webster, Miss Flossie Reid, Miss Madge McMillan, Miss Cora Cleator, Miss "Jack Hand, Miss Hazel Larcomb, Miss Mabel Larcomb, Miss Ione Talbot, Miss Meda Menardi, Miss Irene Conkey, Miss Helen Fulton, Miss Maud Sawin, Miss Eliza Overman and Miss Dorothy Parker, enjoyed a most tempting supper.

SIGMA ALPHA ANNUAL DANCE

On Monday evening the Sigma Alpha fraternity held its annual ball at the Century Club. The clubhouse was decorated with the fraternity emblems of colors. After the dancing, refreshments were served.

Only eight members of the graduating class of 220 women at Wellesley College intend to become wives, according to the statistics by the class secretary.

A large fountain recently presented to Miami University was dynamited and destroyed by undergraduates. It was condemned as inartistic and out of keeping with the surroundings.

The regents of the University of Missouri have voted to abolish all inter-collegiate athletics after the close of the football season next fall.

The members of the Argos Club of Illinois were inducted into the Phi Sigma Kappa fraternity last week.

Twelve men won their "H" at Harvard Saturday in the dual meet with Yale.

At Ithaca, Saturday night, Professor H. C. Davidson spoke before the Cosmopolitan Club of Cornell University on the "Use of Dirigible Airships in War." He spoke of how Napoleon took several war balloons to Egypt.

Yale has twelve graduates in the present session of Congress, eight in the House of Representatives, and four in the Senate.

Marcies Allen, of Sandy Hill, New York, left \$10,000 to the Colgate Chapter and \$5,000 to the Union and New York chapters of the Delta Upsilon fraternity.

Order have been issued by the military department of the University of Iowa to the effect that drill will be held three days a week, from 6 to 7 a. m.

The Kappa Kappa Gamma of Kansas University will erect a new chapter house on the crest of Fort Thatcher, one of the most historic points of Lawrence.

Wellesley college women sent \$1,000 to New York to help the cause of the striking shirtwaist makers. They also gave an order for 1,000 shirtwaists to be made by the girls' cooperative factory.

NEWS OF THE COLLEGES

Ohio Wesleyan's commencement is to last three days.

Yale defeated Princeton in a dual meet, 59 5-6 to 44 1-6.

Phi Beta Kappa at Wesleyan has organized a baseball team.

The rowing crews are now hard at work in all the universities.

The new football rules are being practiced daily at Kansas.

The Yale Automobile Club's third annual hill climb occurs on June 7.

The Michigan seniors held their annual swing-out Tuesday, May 10.

The Indiana Y. M. C. A. budget campaign has passed the \$100 mark.

The University of Washington crew recently took a thirty mile row as an afternoon practice.

A contest called the "cane spree" has been suggested as a substitute for the bag fight at Michigan.

A junior in the Law School in the University of Missouri, fasted fourteen days for his health.

One hundred and thirty-five women of the University of Kansas are having a tag day in order to pay for their gala week.

Edward Seymour, Yale's fastest sprinter, will probably not be able to run for the rest of the season on account of a broken tendon, received in practice.

The annual peanut banquet of the Illinois Agricultural Club and faculty was held last Saturday.

A nightshirt parade will be the feature of the Sophomore cremation at the University of Pennsylvania.

The Savage Club of Cornell is preparing for its big show. The show consists of two one-act comedies, and a vaudeville bill.

THE CIVIL ENGINEERING DEPARTMENT

(By Professor Boardman)

This has been a good year for the civil engineering department.

The main additions to the equipment of the department during the year have been,—a thoroughly up-to-date 200,000 lbs. capacity Riehle testing machine, a set of the Engineering News for the library, complete except volume I, and a number of other good additions to the civil engineering portion of the library.

The testing machine above referred to is a great addition to the college of engineering in general. The uses to which it was put this year were mainly testing concrete in compression, testing samples of wood in tension and testing steel in tension to illustrate to students the use of the machine.

One of the theses of this department this year was tests of the pressure exerted by wind on roofs of different inclinations. These tests are thought to be on a more practical basis than any previously made along this line. The need of such tests is evident from the fact that eminent authorities on the subject differ very greatly, the pressure exerted by wind against a roof of ordinary inclination, say 25 degrees, being estimated by various authorities at all the way from five to 25 pounds per square foot of surface, all for the same velocity of wind.

The intention is to continue these tests and gain more valuable information as Reno is blessed with a liberal supply of wind for testing purposes.

Immediately after commencement the class in surveying will go to Goldfield, Nev., for four weeks work in underground and surface surveying in the vicinity of the Red Top mine on Columbia mountain.

JUNIORS WILL HAVE PLEASURE TRIP

Immediately after commencement the junior boys will leave in a party for Pyramid Lake, where they will be the guests for several days of Cecil W. Creel, at the Indian reservation. The juniors will while away the time by making excursions over the reservation and about Pyramid Lake. Fishing and dancing will add to their pleasure, and no small part of the time will be spent in eating, drinking and making merry generally. Mr. Creel's hospitality, shown on previous occasions, is certainly enjoyed by the juniors, who thank him from the depths of their hearts for the enjoyment he is about to afford them.

Most of the juniors upon leaving Pyramid Lake will start direct for Goldfield on a surveying trip, under the direction of Prof. Boardman. Others will be in Goldfield on a Geological trip, under the direction of Professors Smith and Jones.

(Continued From Page One)
COMMENCEMENT DAY

Irene Myrtle Mack
Shigeyasu Yamauchi
SCHOOL OF GENERAL SCIENCE
Margaret Elizabeth Mack
STATE NORMAL SCHOOL
Elementary Course
Bertha Esther Cliff
Helen Margaret Hanley
Gussie May Kaiser
Margaret Elsie Monahan
STATE NORMAL SCHOOL
Advanced Course

Irene Maude Conkey
Lulu Belle Hurlley
Hazel Pearl Larcombe
Irene Myrtle Mack
Margaret Elizabeth Mack
Audrey Winifred Ohmert
Alice Woodward O'Brien
Maude Ananda Sawin

PRES. STUBBS RECEIVES

On Monday night, President Stubbs was host to the seniors at the seniors' banquet at his home. From 8:30 to 11 the guests made merry, the program including solos by Miss Lola Stoddard, with Miss Mae Curnow as accompanist.

On Tuesday night, from 8:30 to 11, President and Mrs. Stubbs gave a reception to the junior class and the University band. Guests were invited from the townspeople, and a number of the University regents were present. Governor Dickerson was expected but was unable to come. Members of the faculty were also present. The company had a merry time, and commencement topics were on every tongue. Miss Nichols and Miss Mae Curnow rendered solos, which were highly enjoyed by all. The refreshments included sandwiches and coffee, cake and ice cream. Seldom has a jollier social occurrence happened on the University hill, for a spirit of extreme merriness possessed everyone present.

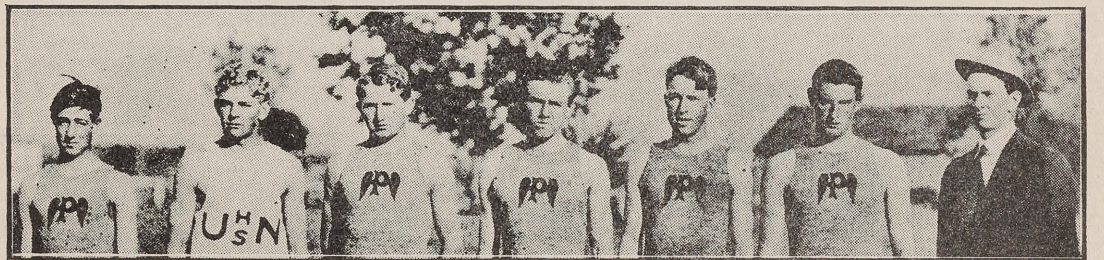
Tonight the president will receive the regents, faculty, students and friends of the University. The reception is scheduled for 5:30 o'clock.

President Stubbs is ever a pleasant host, and the receptions of the past evenings were enjoyed immensely because of their merry nature. Many will enjoy his hospitality tonight.

SENIORS THANK BAND

We, the class of 1910, take this opportunity of heartily thanking Professor Martin and the band men for their kindness in voluntarily furnishing the music at the recent senior farce.

THE CLASS OF 1910.



THE UNIVERSITY HIGH SCHOOL TRACK TEAM

Reading from left to right—Gentil Bernard, Dixie Randall, Claude Wheeler, Painter, Hans Wagner, George Cottrell, Coach Silas Ross.

COMMENCEMENT

It is to be regretted that most students do not remain for commencement. The University of Nevada is now beginning a strong upward movement to take its place among the greater State Universities, and the commencement program here, as in other of the older and larger institutions, will be the greatest event of the year.

Aside from the interest and pleasure which the right kind of a commencement program should hold for the individual, there is a distinct utilitarian value to the University itself in the occasion. Commencement, as the closing scene of a life that has become attached to the pleasant customs and happy traditions of a college community, and as a means of bringing to mind again to those who have come back to participate in the event, all the happy days that are left behind, is distinctly the means of cementing firmly the allegiance of students and graduates alike to the interests of the institution.

That the University needs all that is best in her adherents is no idle thought. The next few years should see a wonderful development in her growth, for the whole west is expanding, and the State of Nevada in particular is opening up her resources and filling in her population. The growth in the number of high schools in the State in the last few years has been phenomenal.

So let every one this year plan to attend commencement. The University needs your attendance and cooperation in the various events which the being planned. She also needs workers throughout the summer and the coming year. Let every one rally to her standard.

T. H. P. O. BANQUET

Last night the T. H. P. O. fraternity held its annual and farewell banquet in the kindergarten. All of the active fraternity members were present and among the alumni were seen many formerly prominent in University life.

AGGIES' FAREWELL PARTY

Last evening witnessed a farewell party of the Agricultural Club at the home of Lloyd Patrick, '13, at Moana Springs. The evening's entertainment included various games, among them the mysterious Agricultural Specialty, after which a sumptuous banquet was enjoyed. Many times during the past collegiate year, the Agricultural Club has enjoyed Mr. Patrick's hospitality, and the parties at his home are of the merriest and jolliest kind.

The Sock and Buskin Society of Brown University presented Sheridan's "School for Scandal" lately before a well-pleased audience.

A dormitory smash in which all the available crockery and glassware was demolished recently occurred at the dormitories of the University of Pennsylvania.

The Yale crew rowed an exhibition mile on Lake Whitney on Saturday in 4:09 1/2.

PROFESSOR HUNTLEY

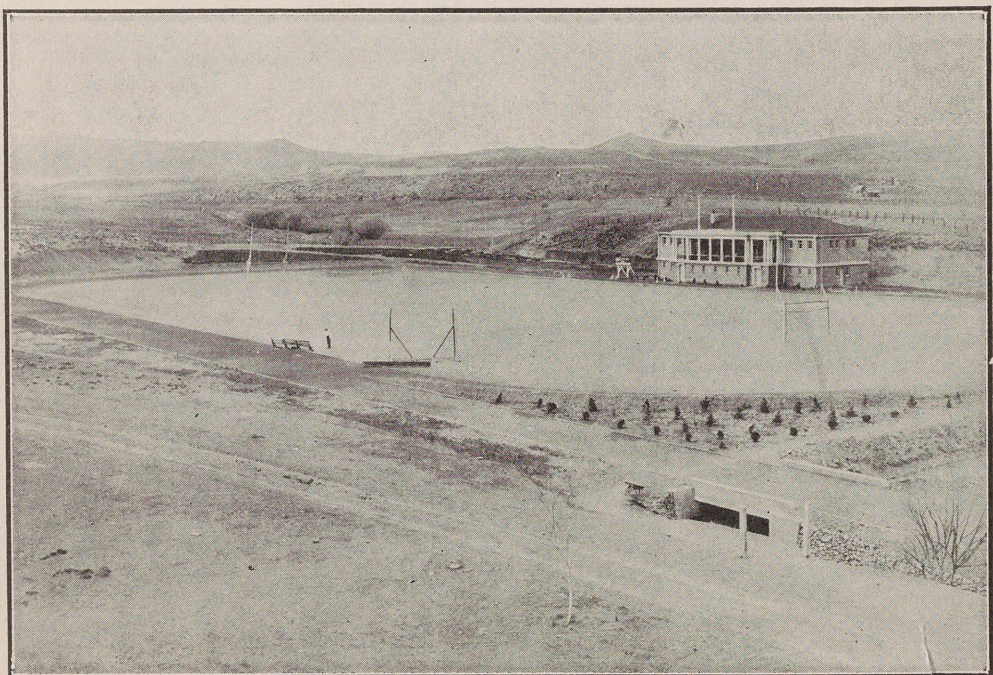
Professor Huntley, acting Professor of Mining and Metallurgy, has presented each of the seniors graduating from the School of Mines with a copy of the Miner's Handbook, with his name and good wishes written on the inside cover. To the special seniors in the Mining Department he gave a banquet at the Riverside Hotel.

The seniors have presented him, as a token of their good will and esteem, a silver mounted fountain pen.

Andover, who will be the opponents of the Pennsylvania Freshmen next Saturday, defeated the Princeton Freshmen on Saturday by the score of 4 to 1. Princetown got only two hits.

Three unfortunate Pennsylvania professors were lately elected to be burned in effigy.

Iowa Medical School is to move to Des Moines, where more clinical material is obtainable.

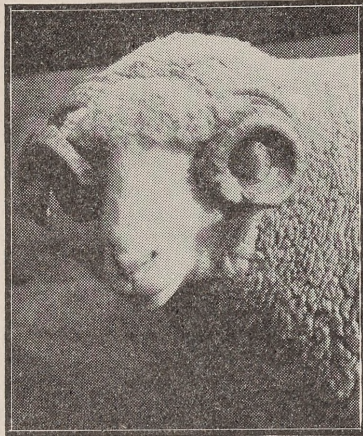


MACKAY TRAINING QUARTERS AND ATHLETIC FIELD

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Special
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Shirts and Hats
All Boys' Suits 25 Per Cent Off
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AGRICULTURAL SECTION

EDITED BY THE AGRICULTURAL CLUB



TRANQUILITY

The Aim of the Agricultural Department

(By PROF. GORDON H. TRUE)

The greatest agricultural development in Nevada is to come not from an increase in the number of acres cultivated but rather from an increase in the value of the product derived from every acre of land. This increase of value is going to come first, from our increase in the crop yield per acre, due to improved methods of farming and improved varieties of crops grown. It is going to come from a better knowledge of how to apply irrigation water to the growing crops.

Second, instead of selling grain and alfalfa hay the Nevada farmers of the future are going to feed everything grown on the farm, and market, instead, dairy and meat products.

At present the state does not feed itself. We grow our beef, mutton, potatoes, and onions and buy the rest. This should not be so. Dairy, pork and poultry products should be added to the list of our feed stuffs produced at home. Every acre of cultivated land in the state should support some sort of a farm animal.

Then, the quality of our farm animals is going to be improved. Hundreds of dairy cows are kept in the state that are no more than paying their way. Many herds with half the cows eliminated would make their owners more money. Most of our farmers have not learned the difference between a good and a poor dairy cow. This is not a characteristic of Nevada farmers, it is true of farmers in every state in the union. The same is true with reference to all classes of live stock. There are opportunities for improvement which, when accomplished, will more than double agricultural values.

It is to bring about this end that the agricultural department is working. We want to put agricultural college boys on every ranch in the state. We think that is better for the state than making mining engineers for Mexico, Central America and South Africa. We are for building up home industry. We aim to turn out boys who will not be satisfied to grow two tons of grass hay on an acre of land that is capable of growing five to

seven tons of alfalfa; boys who will not be satisfied to sell hay and grain when by feeding it on the ranch they can make it bring twice the market price; boys who know good animals when they see them and the difference between cows paying \$25 and \$100 a year.

We aim to turn out boys who understand the science of breeding as applied to farm crops as well as to farm animals. We want to train our boys by giving them the highest types of crops and animals to work with during their college course. We aim to teach them the value of agricultural fairs and competitions where many of the best lessons are to be learned.

Agriculture is no longer a haphazard occupation to be undertaken by a man not trained for the work. As a science, or a combination of sciences, it is on a footing with the other so-called professions, and the man who is to make the most out of it in the future will be the trained man. It is our aim to give the training necessary for the highest success in what is coming to be popularly called the "New Agriculture."

We are glad to be able to say that this is the most rapidly growing department in the university.

Agriculture

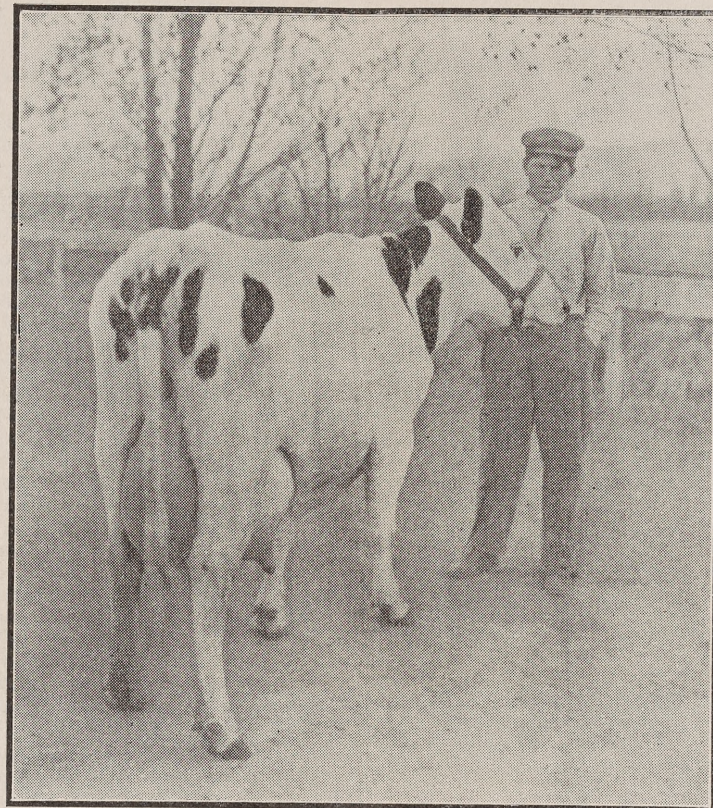
(By LLOYD B. PATRICK, '13)

What the Agriculture College means to Nevada. We must dwell upon this topic at great length if we would treat it thoroughly but a few of its real merits to the state can be stated in a few words. In the first place Nevada is the foremost mining district of the United States. The output for 1909 exceeded the annual output of any state nearly 10 per cent. Since the population of Nevada is so scattered, the amount of cultivated land as compared with the entire area is less than half that of other states. Again we find that there is only one-fourth as much land cultivated as might be with proper conservation and use of available water.

One may readily see from these points that while Nevada is one of the largest states in area yet it ranks lowest in the area of cultivated land. In this vast state where so much latent wealth is waiting for the enterprise of some young men or corporations, it seems pitiable to allow agriculture to lag behind in the mad rush for hidden treasures in the mountains and on the deserts.

In every new locality it has been granted that agriculture is the established industry for long periods to come. A certain locality may flourish for a time in mining, lumbering or any other occupation but they will not remain as long as agriculture. The reasons for this are obvious: The miner must have food and he cannot undergo the awful prices of importing the food, hence he grows his own wheat, he raises hay, cattle, etc. Then he does not need any outside food.

The lumbermen must live so they plant grain or hay where they cut down the trees and the next year there is no need of buying outside



"STAFFORD MERCEDES AAGGIE TUEBIE"

food. The same holds true with every occupation because men must eat to live and the only positive way to obtain food is to raise it.

While at present there is very little cultivated land in Nevada, still the rapid increase in population so greatly offsets the increase in the farming area that a comparison of the two points could not be made.

It is for just these people and a few drudgers who are trying to kill themselves by working into the night, that the agricultural student can show an easier and more profitable method of farming. Send men back to the farm who know what to do and when to do it, and who are not so overburdened with formulae and theories that they cannot bend to the hard work on

grounded in scientific agriculture. The remainder are generally filled with incompetent men who bring in little or no profit.

To increase this number of graduates, the agricultural college must send out a greater number of students from the departments to meet the demands required in agriculture of Nevada. An expenditure of considerable money is necessary to fully equip the various agricultural departments so that graduates may be fully qualified for their work.

To the farmers of the state who have boys intending to come back and take their place upon the farm, let them come to the U. of N. and by pursuing the excellent course of study offered by the College of Agriculture, they will return to the farms with all of the scientific phases of agriculture, which they can immediately put to practice and become good farmers.

Nevada will then be qualified to carry on scientific farming profitably and thereby enrich the state by many thousands of dollars because of the benefits such men can give to the State of Nevada when graduates from U. of N. Agricultural College.

The Agricultural College

(By JOSEPH WILSON, '13)

The College of Agriculture of the University of Nevada was the first educational institution in this state. The founding of this college came about as follows. On July 2, 1862,



A \$12 WINTER LAMB FROM "THE FARM"

and mechanic arts."

From the sale of these lands Nevada received \$135,000, which, when put out at interest gives the university a yearly income of \$15,000. According to the law this money should be invested in land and securities returning not less than 5 per cent interest. This, however, has not been strictly adhered to; for a portion of the funds are out at 4 per cent interest which materially decreases the income of the university.

Although an act was passed for the establishment of a state college in 1863 the population of Nevada was so small in the sixties that the regents did not see fit to found a college until 1874. However, in this year the beginning of what is now the University of Nevada was established in the little town of Elko. Only a few high school subjects, together with some practical agricultural, mechanic arts, were taught. The life of this little school was not very prosperous because the small number of students, from 3 to 12, varied according to the season of the year.

Along about the eighties the population of Nevada was centered more around Virginia City, Carson and Reno than it was in the eastern part of the state; consequently in 1886 the college was moved from Elko to Reno. The buildings were erected in 1886, and in March, 1887, the college opened with Leroy D. Brown as president.

Another act, known as the Hatch act, which has been of great benefit to the college, was passed in 1887. It provided for the appropriation of \$15,000 annually for experimental work in agriculture and the sciences related thereto. The Morrill act was also passed about this time, giving \$25,000 annually for the benefit of the College of Agriculture and Mechanic arts. The state also provides for the maintenance of a college, but the basis of support of the University is from federal appropriations.

In the early history of the college many of the students took up work along agricultural lines; but interest in this branch waned, reaching its lowest ebb in 1908 when there were many "farmers" taking mining and one "miner" taking agriculture. However, in the beginning of the fall of 1909 the number of students enrolled in agriculture increased from 1 to 7, and after the campaign that is to be carried on this summer by the "Cow College," there will be no less than twenty-five registered in agriculture in the fall of 1910.



THE AGRICULTURAL CLUB

Reading from left to right: N. W. McVicar, J. A. Miller, C. Creel, L. Patrick, J. Clayton. Seated: J. Wilson, W. M. Charles.

It is evident to everyone that when the consumers outnumber the producers, the demand on the producer is so great that he must raise prices to remain in business. This is one of the ultimate arguments of the corporations in the high price crusade.

It may not seem probable to every one that this crying need is greater in Nevada than elsewhere but it is more truth than folly. Under present advancements, unless by 1920 the number of farmers increase greatly, a price famine is certain because of these steadily rising high prices especially in foodstuffs.

To bring this point nearer to the U. of N. we may check from records the number of students in the Agricultural Department and in the other departments. The Agricultural Department is certainly greatly in the minority. There are today a great many families going into farming with all their earnings and without the knowledge of farming other than hard work and faint stories their parents told them about farming 50 years ago, while the average farm boy uses most of his wits to find out some means of shirking the farm work and joins the vast army of consumers in the cities.

the farm.

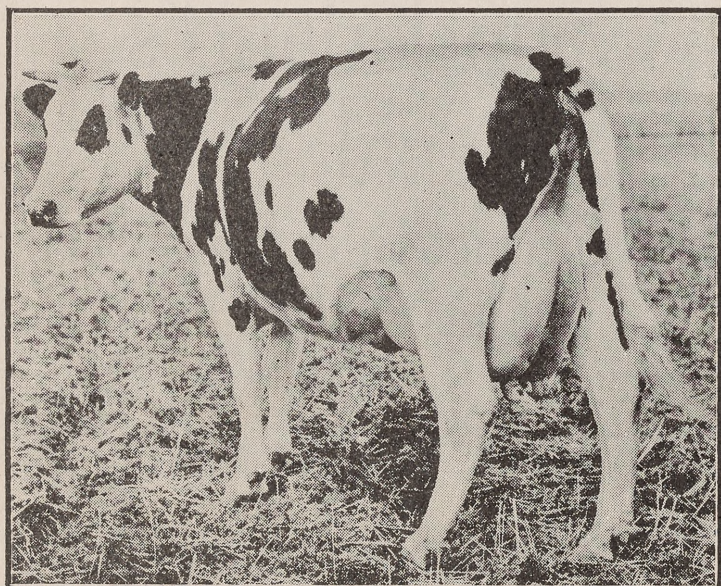
We all know that a miner nowadays must have sufficient knowledge of the formation of the earth's crust to be able to tell where ledges will meet. To obtain this knowledge the miner must either devote his life work to mining or go to some college and discover how other men determine it from investigation, study and experience. When this miner returns he is equipped to have full charge and understand what he is doing.

The same factors govern the farmer. He must know why a crop will thrive best on certain soils since it is not very profitable to experiment four or five years to obtain the desired results. A successful irrigator must know why a clay soil will take up more water than a sandy soil of the same depth. He can determine this knowledge by going to college and apply his theory to practical field work.

Many good agricultural positions are awaiting the practical graduates from U. of N. who can make a profitable living and still leave the soil fertile from year to year. Out of twenty positions perhaps two are filled by competent, practical men, well

the Congress of the United States set aside 30,000 acres of land for each Senator and Representative of each state, the money received from the sale of these lands to be given toward the foundation and support of a state college.

The act in part read as follows: "The proceeds derived from the sale of such lands shall be devoted to the endowment, support and maintenance of at least one college where the leading object shall be to teach such branches as related to agriculture



APRIL LADY OF EL CAMPO—UNIVERSITY HERD



CHEVIOTS—UNIVERSITY FARM

The Development of Western Agricultural Colleges

(By CECIL W. CREEL, '11)

During the decade following the Civil War, Congress passed the Land Grant Act, which gave federal aid to all states establishing colleges of Agriculture and Mechanical Arts. The states of the middle west were not slow in taking advantage of this grant and soon all were maintaining institutions which taught these branches of learning. In some cases, as in Wisconsin and Nebraska, the College of Agriculture was made a part of the State University, but in most cases it was made a separate and distinct institution.

At first the Agricultural Colleges offered only four year courses. For many years, however, the four year courses in agriculture were unpopular because of the generally accepted notion that they were impractical. The typical farmer of the seventies and eighties would have scoffed at the idea of sending his son to college to learn anything about farming. In the popular estimation of that time an agricultural college education and practical farming were dramatically opposed to each other. However, a great change of public opinion was destined to take place. This change was brought about by two factions, the establishment of experiment stations at the agricultural colleges and the introduction of farmers' short courses in agriculture.

The passage of the Hatch Act by Congress in 1887 made possible the establishment of these experiment stations. Members of the Agricultural College faculty were generally on the staff of the experiment station and consequently the relation between the two institutions became so intimate that they were generally recognized as one and the same. The experiment station, because of its research work, at once became of value to the farmer and soon caused him to have a hearty respect for scientific

agriculture. At about the same time that the Hatch Act was passed, the University of Wisconsin inaugurated Farmers' Short Courses in Agriculture. These courses covered but a few weeks during the winter months at a time when the farmer could best leave his work at home. They were a splendid success from the beginning and a few years later were introduced into all of the leading agricultural colleges of the middle west. Their influence for good was twofold. They not only taught the farmer the principles of scientific farming, but also brought

dle western states. On the contrary the states of the Rocky Mountain section and Pacific slope have shown a corresponding increase in proportion to their populations. The states of Colorado, Montana, Washington, Oregon and Utah, now have splendidly equipped agricultural colleges while California, Nevada, Idaho and Wyoming have such colleges in connection with their State Universities.

That the sentiment in favor of scientific agriculture and agricultural education, now that it is once established, will continue to grow cannot be doubted, and with this growth will

grain, and is also invaluable as a guide to the judge or student of grain judging in keeping in mind a proper estimate of the proportional importance and relative merits of points in a sample of grain.

To the ordinary farmer in Nevada wheat is wheat, but to a farmer who has spent more or less time studying the standards of perfection and the grading of small grains, wheat may be either good or poor. The question may arise, "what are the essential points in a good sample of grain?"

The grain to be used for seed, besides being all of one variety, should

be advisable, therefore, to make a germination test to determine the vitality and the viability of the seed. This may be done by planting the kernels between folds of cloth or blotting paper, one end of which is placed in the water so that the moisture is supplied through capillarity, and by keeping this improvised germinator at the ordinary room temperature, never allowing it to fall below 50°F.

Grain cleaned with a fanning mill is generally used for seed, but a much better way, although little practiced, is to select each year the best seed from the best plants grown on a

In November, 1910, the Dry Farming Congress to be held at Spokane, Washington, has offered several prizes for the college grain judging teams which secure the highest number of points in the commercial grading of the various grains. This congress has invited the Nevada Agricultural College to take part in this contest. We hope that the president and the regents will see fit to send a team of five men to Spokane this fall to take part in this contest, for we want the University of Nevada to be represented at these National congresses, and carry away some of the student prizes.



A ROW OF RAMS—A STUDY IN BREED TYPES

him into closer and more friendly relations with the agricultural colleges and thus paved the way for the entry of his children as regular four year course students later. Not until the late nineties, however, did the western agricultural colleges begin to feel the impetus of this new movement. Then began a growth which has continued unabated until the present time. The Kansas and Iowa colleges for example, which in the early nineties had but a few hundred students enrolled, at present time are well past the two thousand mark. With this large growth there occurred of course, a corresponding increase in the size and equipment of these colleges. But it must not be thought that the agricultural college development of the west has been confined entirely to the mid-

come a steadily increasing gain, both in size and efficiency, of our western agricultural colleges.

Grain Judging

(By CHARLES S. KNIGHT)

The object of grain judging is to determine the grain of highest quality, either for feeding or market, and which is consequently the most profitable to grow. The study of these desirable characteristics is a comparative rather than an individual study and has led to the formulation of a standard scale of points or "grain score card." The use of the score cards has been adopted as the best method of comparing samples of

also be heavy, plump, spherical and free from dirt, weed seeds and injured or immature kernels. A pure variety is always to be preferred to a mixture of varieties, however slight this may be. Heavy seed promotes stooling and the production of strong plants, and benefit yield and quality of grain as well as yield of straw. In most cases where heavy seed has been compared with small or light seed the result has been in favor of the heavy seed. Owing to an insufficient food supply or an imperfectly developed germ, plants from injured or immature seed often have not the power to live although the seed sprouts quite successfully. If grain has become heated or moldy in storage it may not grow at all or else have only a low percentage of germination. It is

special seed plat, to be used for planting the seed plat of the following season, while the rest of the seed-plant crop is used for sowing the general field.

It is a common practice among the Agricultural Colleges to compare grain judging teams, both for corn and small grains, for the purpose of competing with each other at the various grain shows in their part of the country, where suitable prizes are awarded to the teams carrying off the highest number of points in the judging and commercial grading of the various grains. Most of the colleges make a specialty of corn judging, but in Nevada where small grains are the leading cereals grown, we are going to make small grains our special line of work.

Needs of the Agricultural Department

(By MORTIMER CHARLES '11)

One of the saddest needs of the Agricultural Department is a farm equipped with buildings. The present farm is far too small, comprising only about 60 acres, to raise proper feeds and at the same time to pasture our necessary live stock. But sadder still do we need barns for the wintering of our valuable animals. Justice can not be given an animal unless it is properly cared for. The university farm has not a single barn of its own, a predicament which no other college of agriculture in the United States must be content with. Why should we be so far behind other stations in this respect? We surely have here in this state wonderful agricultural opportunities, which should be developed and their progress made equal to our mining interests; one would be of great value to the other. Our station can boast of a very creditable number of pure-bred animals, a very representative lot, yet we are striving with equipment inadequate to properly care for the same. The home and environment of an animal is half of its rearing.

We, as students, all hope that when the next legislature meets, the Solons will cheerfully appropriate this, the greatest need of the department.



GOLD MEDAL FLOUR

THE STANDARD OF PURITY

SAVE THE COUPONS AND GET A SET OF DISHES

RIVERSIDE MILL CO.

RENO NEVADA

War Against Hog Cholera

(By DR. W. B. MACK)

Hog cholera is the most important of the acute infections of swine. The annual loss from this disease in the United States alone amounts to an immense sum, variously estimated at from \$10,000,000 to \$25,000,000. A single state lost \$15,000,000 in 1897. Here in Nevada the loss is small but only because but few hogs are raised here. The disease exists in the state and is frequently imported in animals brought in for breeding and for slaughter. It has been sufficiently extensive in some years to discourage hog raising as an industry.

There is no reason aside from chol-

era why Nevada's ranches should not produce at least the hogs consumed here and at a good profit. The fact that we buy from outside the state the greater part of our pork and pork products is not due to the ravages of hog cholera alone, but that is considered by many as one of the important factors.

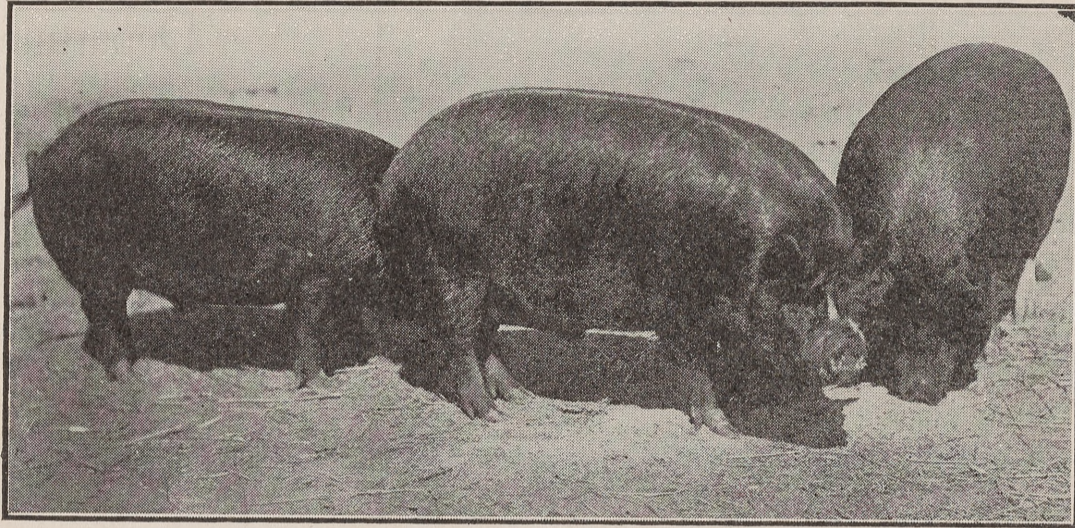
Until recently we have been almost helpless in dealing with this infection. Let cholera once gain entrance to a herd and almost the entire number will succumb to it. A few animals usually survive an outbreak, a few escaping the infection perhaps, some recovering from it, but the mortality is always high. On account of its contagious character the disease

It is expensive to produce this protective serum but the results seem to warrant the expense. The method of production must be further perfected by extended experiments. It appears, however, that at last we have an efficient weapon with which to combat this destructive malady.

The Veterinary Department of the Nevada Agricultural Experiment Station is preparing this serum on a small scale. Already we have succeeded in protecting pigs against experimental infection by means of serum produced in our laboratories, where controls promptly took the disease and died. We hope during the coming summer to accumulate a stock of this serum and be prepared to control any outbreak of hog cholera that may occur at any point in the state. This serum will not cure hogs already sick

ashamed to show against the best from the coast flocks and herds. It is expected that we will meet the University of California in competition. Where the California institution has had liberal appropriations for the purchase of live stock for its agricultural school, we have not had a dollar, building up as best we could from our own income from sales, but we confidently hope to make as good a showing as has our Rugby team against the bigger school.

Another reason for making the show is to give the students the particular kind of training that can be had only at public competition of this kind. They will have a part in getting the animals ready to show and handling them in the show ring, in seeing them in competition with the best. This training for agricultural



BERKSHIRES—UNIVERSITY FARM

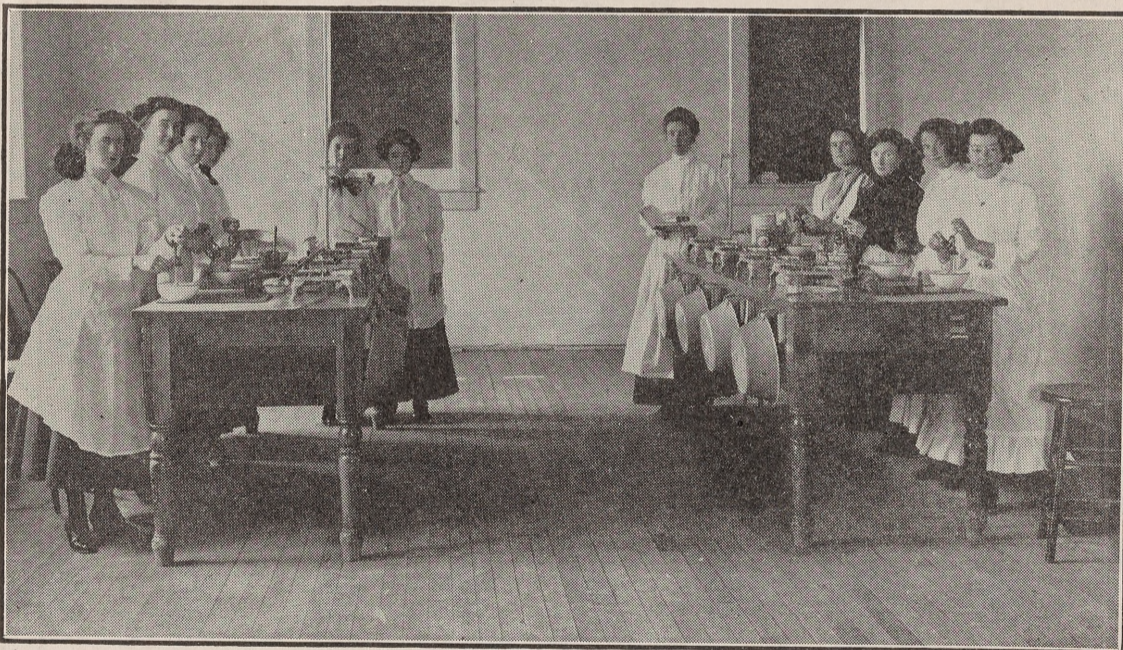
but by means of it the balance of an infected herd and others in the neighborhood of an outbreak that are liable to become infected, can be rendered immune and the outbreak controlled and stopped, much as is done with human beings in case of an outbreak of diphtheria by means of antitoxin.

The serum is administered hypodermically. It is not adapted to use by stock men themselves but must be administered by trained veterinarians. We expect soon to be in a position to render effectual aid in controlling this disease and to assure Nevada ranchmen that they can raise hogs with comparatively little danger of loss from cholera. We hope to issue a

students is to be compared with the mine surveying trips of the mining students.

Dairy Cattle at the University

The University herd consists of a small number of pure bred Holsteins. It is preferred to have all the breeds, but limited means have thus far confined it to a single breed. There are young bulls for sale that have been sold thus far at from \$100 to \$125 a head as soon as old enough for service. More could have been sold had



ONE OF THE SEVEN CLASSES IN DOMESTIC SCIENCE

bulletin in a few months explaining the matter in detail and distribute it freely throughout the state.

Coming Trip for Aggies

The Agricultural College boys are looking forward with a good deal of pleasure to a trip to the California State Fair at Sacramento with an exhibit from the University flocks and herds next fall. The president has given Professor True permission to make this exhibit on condition that he wins enough prizes to pay the expenses of the trip, and he is game.

The idea in making this exhibit is to let the people of both states know that there is an agricultural college at the University of Nevada and that we have material that we are not

there been more to offer.

Two representatives of the herd appear in the illustrations in this issue of the Record. "Stafford Mercedes Aaggie Tuebie" has a record of 22.6 lbs. butter a week, and a year's record of 14,231.6 lbs. milk, 619 lbs. of butter. In three years she has given 1,700 pounds of butter, which is more than two average cows give in a life time. The other heifer, "April Lady of El Campo," with her first calf gave 12,590 pounds of milk and 506 pounds of butter in a year.

Our students not only have an opportunity to study these cows individually but are also called upon to work out their pedigrees, so that they may know the relation of ancestry to performance.

The millionaire manufacturer who has enrolled as a student in the School of Business at Harvard is probably anxious to find out where he got it.—New York Evening Post.

The Agricultural Club

(By NEIL W. McVICAR)

During the first semester of 1909 the students of the College of Agriculture of the U. of N. organized the Agricultural Club. As an instrument of the agricultural students the organization stands for all that is to their best interests. Under its management and supervision various agricultural contests will be organized, which will increase the knowledge of its members along the various agricultural lines. By the labors and examples of the members of the club students will be taught to enter with greater zeal and earnestness into the solution of problems confronting the agricultural community of the state. The club is still in its infancy, as it has only nine members, but there is much for it to do. Its interests are with agriculture; its motto, "More Farmers; Better Farming," states its primal purpose—that of imbuing the prospective agriculturist with pride and a spirit in his work that will advance the science and art of agriculture to the front rank among the professions of men.

Domestic Science

From the first lesson that deals with the proper equipment of a kitchen and the use and care of the utensils that should be found therein, up to the "Annual Reception and Bread Contest" that marks the close of the work for the Academic Year, each new day is filled with an ever increasing enthusiasm among the students in the Domestic Science Department. There is no place on the campus that affords more genuine pleasure and profit as well to the chance visitor at our University as to those regularly enrolled in the various courses of the department. For no one can pass through the door that leads into the basement of Stewart Hall and not at once feel a breath from the spirit that always pervades the place—the spirit of true hospitality, a hearty enjoyment of the things that one's own hands have made and an equally great pleasure in offering them to one's friends.

The year just closed has marked one great innovation in the department. During previous semesters, the women students have served luncheons and dinners, some of them class affairs, others in honor of various groups among the students and faculty, or as part of the entertainment of visiting basket ball teams. But 1909-1910 has been indelibly marked in the minds of those fortunate enough to be present at the delightful "pig dinner" given to our home "Knights of the pigskin." Also, at the special request of President Stubbs, the students have from time to time served luncheons and dinners to the different Standing Committees of the Faculty. The menus for these occasions have all been prepared with reference to the increased cost of living and the consequent necessity for the housekeeper to put more thought on what she can place before those seated around her table. For thought and skill must as a rule supply the place of the extra money otherwise required if she would give the inviting repast of the "good old times" before food products went up while incomes remained at a standstill. So, for a uniform price of fifty cents per guest, the Domestic Science Department has provided real "company meals" for these committees. A sample menu is: Bullion, cheese crackers, French peas, green peas, scalloped potatoes, Parker House rolls, olives, banana salad, cream mayonnaise, cheese straws, pineapple ice Vienna cakes; coffee with cream. In no case was any extra allowance asked for that share of the good meal also enjoyed by the four students who served—two in the kitchen and two in the dining room, thus reducing the actual cost of a meal prepared for ten guests to a per capita rate of about thirty-six cents for those actually enjoying it.

The academic year has seen added to the books in our library a number of standard texts and reference books on subjects connected with Household Science. Consequently the lecture work on the part of the instructor has been supplemented by research work and written themes by the stu-

Historical Society in Need of Help

Blocked in the prosecution of its work of gathering the documents that will some day prove invaluable as showing the early growth of Nevada, the Nevada Historical Society, under date of May 19, has sent out an appeal to its members to inaugurate a campaign that will provide a historical building and a fund for the work in the years to come.

In spite of the fact that relief cannot come except through action by the assembly of 1911 the society has thus early commenced its campaign in order that it may not fail when the time comes.

The letter sent out all over the state by Prof. Jeanne Elizabeth Wier, the secretary, announces that the annual meeting of the society which usually occurs at commencement time, has been indefinitely postponed because of the inability to secure a lecturer.

In spite of the lack of funds, the secretary reports that the collection gathered so far has been preserved, but the field work has been perforce stopped. During the coming summer the second biennial report will be prepared and published.

Four new life members have been enrolled in the society, R. A. Rlepe, E. Griswold, G. G. Rice and R. L. Fulton. In addition generous contributions have been received from Clarence Mackay and others.

During the past winter the severe illness of Prof. Wier has seriously handicapped her work, but she states that the work will not be abandoned and there is hope that the next legislature will provide adequate funds.

The Historical Society has been instrumental in gathering many old and precious documents of the past, including ancient newspapers, Indian relics and has preserved by landmarks many places of historical interest in many parts of the state.

DOMESTIC SCIENCE DEPT'S. RECEPTION

On Saturday afternoon the annual reception and bread contest was held in the domestic science rooms in Stewart Hall.

Miss Bardenwerper and the young woman students in the department, assisted by Miss de Laguna, received the guests.

Misses Riegelhuth and Berry served dainty ices and cakes, made by the students. Sixty loaves of bread were entered in competition for the prizes, which were offered by four ladies, good housekeepers themselves, and anxious to encourage the young women to perfect themselves in household science, especially that part which deals with "the staff of life."

The judges chosen were Mrs. Ed. Barber, Mrs. A. A. Codd and Mrs. E. C. Harris. The ladies had a difficult time in awarding the prizes. Where all the bread was so very fine, it was hard to decide on the four best loaves. But finally they made their selections, and the names corresponding to the numbers on the loaves having been found, Dr. Stubbs made the presentation speech in his usual happy way, and declared the winners to be as follows:

Miss Grace Harris, first prize of 10, gift of Mrs. T. C.

Miss Edith Lindsay, second prize of \$7.50, gift of Mrs. E. Whitney Martin.

Miss Edna McNett, third prize of \$5, gift of Mrs. J. E. Stubbs.

Miss Julia Boulanger, fourth prize of \$2.50, gift of Mrs. Eugene Williams.

Miss Winona James and Miss Leola Lewis were given honorable mention. The domestic science receptions are considered one of the pleasantest features of commencement week, and to judge by the numbers who were present on Saturday—about 300—this year's reception was no exception to the rule.

Cadet Officers are Appointed

At the battalion review this morning, Neil MacVicar, battalion adjutant, published the orders announcing the cadet officers for the next collegiate year.

Vergil M. Henderson will be major of the battalion. It is the opinion of all that the right choice has been made. Mr. Henderson has shown marked ability in military matters. As first sergeant of "A" the past college year, he was a general favorite among the cadets, and as major this good feeling toward him will be as strong as ever.

Melvin E. Jepsen and Walter Harris have been appointed captains for the two companies. Both are well liked by the cadets and were the choice for their commands.

This year they acted respectively as first sergeant and sergeant major.

Earl Hart has been appointed first lieutenant and adjutant. Mr. Hart was ranking sergeant of Company "A" for this college year, and is thought by all to be the man for the position of adjutant.

Frank Hobbins and Donald Linton will be the first lieutenants for the two companies, using the past college year they acted as guides in Co. "B" and Co. "A," respectively. They are the right men for their new positions.

The second lieutenants of the companies will be Fred Cafferetta and Clinton Spark.

The officers of the band will be: Ellsworth R. Bennett, captain; Randall J. Layman, first lieutenant; Raymond Robb, chief musician; sergeant of the band, Chapman, Beebe, Spencer; corporals of the band, Menard, J. Wilson, Gilreese, H. Lyman, Campbell, Tyler.

The sergeants of the companies, in order of rank will be, Edger Pearson, sergeant major; sergeants, Fletcher, Educe, Seaton, Finney, Holmes, Tibbals, Pruett, M. Anderson. The corporals for the companies will be in order of rank, Nat. Wilson, Patrick, Gignox, Hilton, Heward, Rowe, Seltiemyer, Hibbard, Dorn, Clayton.

Head of the Family—Our firm is going to advertise for sealed proposals.

Popular Daughter—Oh, don't, pa; it's so much better fun to get them personally.— x.

If that London bank woman desires to win a big success it should make a specialty of 99-cent and \$1.98 deposits.—Chicago News.

The president appeals to the convention of Republican editors in Illinois to support the Aldrich-Pyne tariff. Perhaps he is tired of supporting it, and, of course, somebody must.—New Orleans Times-Democrat.

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The Past Year in the Mining Department

(By MR. CARPENTER)

The first two years of the mining course have been given more thoroughly this year than ever before, due to increased efficiency of the various departments in the Quadrangle. The addition given to the courses in the mining and geological departments in the Junior and Senior years, and the personal attention to the students themselves has been increased by additions to the teaching force. The heads of the two departments have turned over most of the Sophomore and Junior subjects to their assistants and devote themselves mostly to the Senior subjects.

The Senior Mining Course

(By PROF. HUNTLY)

During the past college year, the Senior Mining Engineering Course has included the following subjects:

Excavation of Earth, Excavation of Rock, Quarrying, Transportation of Materials, Explosives (their manufacture, safe storage, relative strength, etc.)

Blasting (principles and practical methods of) Railroad Tunneling and Mine Tunneling (including special methods of driving, timbering and ventilating.)

Shaft Sinking (through rock, treacherous ground or quicksand.) Shaft Head Frames.

Pumping (including description of different classes of pumps, and present tendency in mining practice.)

The Library During the Past College Year

(By J. D. LAYMAN)

At the present date the library has on its shelves of accessioned and catalogued books 17,811 bound volumes. In addition to this there are on hand but not catalogued over 2,000 in the Kirchhoff collection, and over 1,300 other purchased volumes, and more than 500 gift volumes which are not duplicates. Pamphlets and unbound periodicals are not included in the above totals.

During the twelve months 1,750 books were catalogued, not quite one-third of the total received in that time. This splendid growth is due in great part to the special grant of \$10,000 given by the Legislature of 1909.

The largest addition of first class books for everyday use was in the department of history. The largest col-



SCENE ON TRACK MACKAY ATHLETIC FIELD

The head of the mining department, Prof. Geo. J. Young, has been absent on a year's leave of absence, visiting on his travels the large universities and industrial centers of this country and Europe. Being a very energetic man and a close observer, his students will derive direct benefit from this trip, in their lecture course under him. In his absence the Senior mining courses have been given by Dwight B. Huntley, University of California '75, a consulting engineer who has had a long and varied mining experience not only in this country but also in South America and South Africa. The Senior metallurgical laboratory work this year has been under my personal supervision. The addition of four tons of ore in about ninety lots obtained from the American Mining Congress exhibit at Goldfield has added a wide variety of ores for experimental purposes. All of the machinery equipment of the metallurgical laboratory has been in active operations during the year. The assaying course has maintained the high standard of past years, being more thorough than is required in many schools, and with an equipment equalled by few. The number of pulped samples for assay work has been greatly added to, giving a wide range in character and value of the ores.

The library now contains a large collection of the latest books published on geology, mining and metallurgy, along with bound volumes of the standard publications. The reading tables have on them the current numbers of these publications, and it is pleasing to note the extent to which they are read.

The Engineers' Club has been a thriving organization, and the students have listened to many good lectures by the men who are "doing things" out in the busy world. One of the most interesting of the year to the mining student is the change in the mining course to take immediate effect. This change cuts down the number of required hours per semester to eighteen and gives three hours of the 18 hours as elective. This does not mean less work for the average student, but more thorough work in a less number of subjects, and the elective courses allow him latitude enough to follow his desire to favor a particular mining engineer such as geological or metallurgical or the civil and mechanical engineering phase of mining.

Boring, (prospecting for water, oil or ore, by churn drills or diamond drills.)

Aid Compressors.

Mine Prospecting, (accepted rules of.)

Mine Development (customary usages.)

Mining Ore Bodies, (by steam shovel, or by the different methods of stopping ore, and safely timbering the stopes.)

Coal Mining Methods, (briefly.) Hydraulic, Dredging and Drift Gravel Mining (briefly.)

Mine Lighting and Ventilation.

Reporting upon a mine and mine valuation.

In connection with each subject above, the lecture course usually discussed the tools, the special machinery, the usual methods, the tendencies in latest practice, the first cost of the plant, and the special operating cost. References were also given to the best authors on each subject.

In Metallurgy, the course included the chemistry of each process, a description of the machinery used, the operating methods, the approximate first cost of the plant, and the working costs of each of the numerous processes in the metallurgy of gold, silver, lead, copper and zinc. The principal processes discussed were: The Stamp Battery Gold Amalgamation on Copper Plates.

The Concentration of tailings or Pulp Values.

The Chlorination Process.

The Cyanide Process (very fully, including the tube mill, various agitation methods, and filtering and filter press usage.)

Washoe Pan Amalgamation and Reese River Processes.

The "Hypo" Process and the Russell Process.

Other Silver Leaching Processes.

Gold and Silver Parting and Refining Processes.

Lead Smelting.

Lead Desilvering and Refining.

The Copper Leaching Processes.

Copper Smelting in Shaft or Reverberatory Furnace.

Pyritic Smelting.

Converter Usage—Matte to Copper.

Electrolytic Refining of Copper.

Zinc Roasting and Smelting.

Zinc Refining.

The class visited the Comstock and saw its great old dumps, the remnants of its vastly expensive old machinery and works, and its great but low grade croppings, still unworked. They will always have a kindly feeling for its management at the C. & C. shafts,

lection for research work came to the Latin department. It is the Kirchhoff library with over 2,000 volumes and almost as many pamphlets. Some idea of the size of this collection may be given by saying it fills all of the long western wall of the reading room even to the ceiling. The physics department added the best single periodical set, the Philosophical Magazine, beginning in June 1798 and continuing without break to today a period of 112 years. The chemistry department has completed its set of the Journal of the Chemical Society (London) and the American Chemical Journal. A partial set of the Chemisches Centralblatt (from 1894 onward) was added to the laboratory of chemical research. After history the English department takes rank in the number of miscellaneous books added for the constant everyday use of faculty and students. It also secured a set of the publication of the modern language association. Next in order of importance are the new books added to the mining department library. There is included in it a set of the Transactions of the Institution of Mining and Metallurgy. The civil engineering department was fortunate in securing an almost complete set of the Engineering News. It lacks only volume one. The mechanical engineering department purchased only one set, the Electrical Journal, but its miscellaneous books went into immediate use.

The growing list of periodicals subscribed for is a source of satisfaction. This list includes more than 200 purchased periodicals. In addition many come as gifts including more than 50 different newspapers published in Nevada. Among the new additions to the subscription list of 1910 (some dating back into 1909), are Aeronautics, American Chemical Journal, American College, American Homes and Gardens, American Journal of Mathematics, American Journal of Public Hygiene, American Journal of the Medical Sciences, American Political Science Review, American Political Science Review, American School

for the favor of a long trip "down stairs." The especial features of interest were the crushed timbers in the old stopes, the square set timbering, the Suro tunnel and its wooden stave drain pipe, the Reider pumps, the new centrifugal pump, the so-called "snow sheds" where Mr. Farenheit always registers 126 to 130 degrees, and in general the massive old pumping and hoisting machinery.

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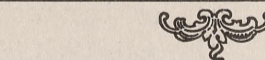
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(Continued on Page Eight)

Throng Hears Sermon of Day

Baccalaureate Address of Dr. Adams Has "Go" for Watchword

A multitude that taxed the capacity of the gymnasium listened in rapt attention throughout the scholarly and eloquent discourse, Dr. George C. Adams, pastor of the First Congregational church of San Francisco, delivered to those about to be graduated from the University of Nevada. It was a message to be remembered for life.

The baccalaureate sermon, the traditional beginning of the commencement day exercises, was one of the most impressive and practical ever given at the university and those who heard it were elevated in ideals and educated in their comprehension of the purpose of life.

One of the noteworthy features, aside from the sermon itself, was the singing of a union choir of over 100 voices, from the choirs of all the churches of Reno and Sparks. Under the direction of Mr. Sawvell, of the Baptist church choir, the singers sang the Hallelujah chorus and the Gloria from Mozart in an inspiring manner, besides giving several other selections.

It was 10:20 o'clock when the academic procession with junior marshal Creel at the head, began to wind its way over the walks to the gymnasium. The faculty and regents joined and a mass of friends, relatives and those interested in education followed through the portals. At 10:30 every one was seated and President Stubbs introduced Dr. Adams.

"Go," was the significant subject of Dr. Adams' address. It was taken from the text "Go ye, therefore, and teach all men," Math. xxviii:19. The discourse was an exposition on the distinction between human and divine love and an exhortation to the students to follow according to the precepts of the latter that the education committed to their keeping as a trust should not be lost nor fail of benefit to the human race.

Human love, the speaker said, was pre-eminently and necessarily selfish. It was manifested in the tendency to cleave to and enjoy the object of affection and to stay where that source and response was to be found.

Divine love, on the other hand, was essentially sacrificial in its attributes—it was altruistic and opposed to concentration and its watchword was "Go"—that voyaging that meant the conferring of benefits received, the spreading of teachings learned and the sharing of benefits gained.

As an illustration, Dr. Adams cited the example of the argonauts who traveled weary miles across the plains and deserts and surmounted the mountain passes in the search for fortune. They left home, family and friends, many to meet death on the perilous trip around the Horn and many to leave bleaching bones on the trail to mark the path. For these the watchword was to go in order that those who came after might reap as well as they from the results of their voyaging.

Another example given was that of the career of Ulysses S. Grant. When the war broke out, Grant was hauling wood into St. Louis and the most unlikely person in the world to be looked upon as a leader. Nevertheless, he went to the governor and asked him for a commission.

The governor had the wisdom to try him out and placed him in charge of a recruiting office. Later, when Grant's thoroughness of character came out at Shiloh and Donnellson and he proved that his impulse was to go and go ever onward, many marveled at the governor's insight.

In closing, the speaker exhorted the young men to go out imbued with the principles of the divine rather than the selfish human love—to do good and justify their education.

THE LIBRARY

(Continued from Page Seven)

liques, Hamerton's French and English, Herrick's Liberal Living Upon Narrow Means, Hogg's Tables for Construction of Ship Lines, Lapparent's Traite de Geologie, Leed's Mechanical Drawing, Leneven's Ibsen and Maeterlinck, Levy's Mineraux des Roches, MacArthur's Navigation Simplified, McLennan's Patriarchal Theory, Marx's Revolution and Coun-

ter Revolution in Germany, Merger's Goethe, Morsbach's Mittelenglische Grammatik, Pinero's Iris, Shaw's Admirable Bashville, Strong's Social Progress, Sutton's Volumetric Analysis, Thuasne's Etudes sur Rabelais, Wheeler's Study of Some Texas Ponerinae, Witte's Select Essays on Dante.

The books on mining and civil engineering have been kept in the Mackay Mining library. Even then the overcrowding is so great in the basement of Morrill Hall that many of the less used books, periodicals and pamphlets have been stored in two rooms in the basement of Stewart hall. There also are the books purchased from the Friend estate.

It is a pleasure to note that the library of the Agricultural Experiment Station has been removed from Hewart hall. It now occupies a well lighted and comfortable wing of the Hatch station building. It is open regularly each Monday, Wednesday and Friday afternoon, and at other times by special appointment.

The libraries of the university are better than ever before filling their important place in the university work.

SENIOR FARCE

(Continued From Page One)

including the last act, and throughout the play handled his lines cleverly.

Clayton Bennett, Archibald Miller, George Curnow, Dudley Homer, who showed his ability to "queen," Neil MacVicar, Forrest Bell, Marion Foss, and Frank Ench were real college boys alright and acted as such to perfection. Leon Long as Colton played the part of the villain very cleverly.

Walter Harris was a fine manager for the English crew and had the dialect down pat. Henry Heise looked the part of an able manager for the Harvard crew.

Mrs. Kenyon, mother of Wilfred and of Evelyn with whom Brown was smitten was well played by Miss Ohmert, who acted the part with perfect ease and poise.

Her daughter Evelyn was played by Miss Helen Fulton, and the way in which Evelyn treated Tom Brown for three acts and most of the fourth was truly aggravating to the poor fellow.

Maud Sawin played the part of Thorne's sister cleverly and pleaded with Tom Brown very touchingly to save Kenyon from his wicked companions.

Irene Conkey was a real college girl, and especially so in the third act, when she was as good a rooter for the Harvard crew as any of the boys.

The interior scenes, showing students' room at Harvard university, were attractive and well fitted out. References made to the glass flowers, to Rammy's and to the Hotel Touraine, tickled the ear of every Harvard graduate in the audience. Great credit is due both Mr. O'Sullivan and Mr. Reber for the manner in which they drilled the company.

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