UNIVERSITY OF NEVADA-RENO, NEVADA, SEPTEMBER 26, 1916.

VS. NEVADA SATURI SACRAMENTO

NEVADA VARSITY DEFEATS STEWART INSTITUTE TEAM

SEASON STARTS AUSPICIOUSLY WITH OVERWHELMING VICTORY OF THE UNIVERSITY SQUAD

FINAL SCORE 36 TO 7

INDIANS PUT UP GAME FIGHT BUT ARE DEFEATED BY SUPER-IOR PLAY AND KNOWLEDGE OF GAME

Nevada decisively defeated the team The detailed plays of the game folfrom the Stewart Institute of Carson | lows: City in the first game of the season practice will obviate.

The Indian team put up a plucky not forced to put forth its best efforts the line for short gains. during the entire game, is a matter

backfield. Joe Hill, playing at full, thrown back as the half closed. valuable man in the backfield.

PORTEOUS' MASONIC TEMPLE, RENO

DRAWING MATERIAL

SPECIALISTS IN **Picture Framing**

Root kicked off against the wind and the Indians ran the ball back played on Mackay Field last Satur- only a few yards. They lost ground day. The final score was 36 to 7 with on an end run and were penalized for the Indian team on the short end. The a breach of offside rules. On the next contests proved. A complete list of game was inclined to be a trifle slow plays they fumbled and were forced the winners follows: due to the hesitancy of the quarter- to kick on the fourth down. Martin backs in speeding up the plays and a called for the ball but fumbled due to none too accurate familiarity with the the strong wind. McKenzie picked signals. While the contest with the up the pigskin and ran the ball back Stewart Institute team is looked upon for 10 yards. Hill made 25 yards in Churchill County, second, \$10. more in the light of a practice game two line bucks and passed to Root inasmuch as the Carson City team is who carried the ball several yards Nevada fruits and vegetables canned the weakest listed on the schedule yet farther. A forward pass was caught by club members: Douglas County, Saturday's game is placing considerathe decisive victory is an auspicious by one of the Indian backs. A for- first, \$15; Churchill County, second, beginning for the season. The vars- ward pass was started by the Stew- \$7.50. ity was master of their opponents at art team but Martin in a running all times and the long side of the catch secured the pikskin and scored. score was never in doubt, the Indians Nevada kicked out and Root caught single score coming from a bit of the ball. Due to carelessness the ball slackness on the part of the varsity was touched to the ground before Mcwhich the experience of a few weeks Kenzie was ready to boot and the kick was blocked by the Indians. The Stewart team kicked off and Hill ran and hard fight and did not stop until the ball to the middle of the field. A was slow and they lacked the familiar- but the ball was fumbled, McKenzie long and steady practice. A feature Indians in a short spurt made their of their offensive was the ability to yards in two downs running the ends run interference, the entire right or for six-yard gains. Nevada checked left hand side of the line as the play the spurt and the Indians kicked. Mcmight be making way for the run- Kenzie received and ran the ball back ners. At times they made long gains ten yards. In a cleverly executed foraround the end but whether this was ward pass via Martin to King the due to any particular speed or to the varsity made 15 yards. The quarter \$3. slackness of the varsity, which was closed with Martin and Hill bucking

Nevada had the ball on Stewart's of doubt. The single score of the In- 20-yard line and the wind at her back ble, Fallon, second, \$3; Irwin Dressdians resulted from a bit of clever and Martin and Hill bucked the ball headwork after the Indians had car- over in six downs. The attempt to ried the ball from midfield to Nevada's convert failed. Root kicked off and ten yard line by a judicious mixture Stewart ran the ball back ten yards. of successful forward passes. They Nevada was caught off her guard and Marie Campbell, Reno, first, \$5; Laattempted to buck the ball over, but the Indians made 30 yards on an end the Nevada line held the entire back- run from kick formation. A second field closing in to block the interfer- attempt at running the ends netted ence. The quarterback seeing the ten yards but the third failed and home by a club member: Clarita Forwisdom of a wide loose play sent out they were thrown back two yards. tune, Fallon, first, \$5; Thelma Johnthe backs and the ball was tossed Tam took J. Smith's place and North son, Fallon, second, \$3; Lavinia Ruhover the goal while the varsity was went in at end replacing King. The enstroth, Minden, third, \$2. waiting for the plunge into the line. Indians attempted a drop kick from 9-Nevada girl cooking championship game of the week before was marked 20-yard line. Hill kicked, Stewart in Saturday's game there is still room fumbled and Nevada recovered, the for a continued advance. The varsity ball on the Indians 20-yard line. Hill interference did not clean up the sec- made ten yards on a buck through ondary defense at all times and there tackle and Martin repeated making was at times a looseness of play four yards. Hill carried the ball over which gave the opportunity for block- but the attempt to convert failed the ing the play. Considerable confusion ball hitting the post. Root kicked off regarding the signals existed on one and the Indians on the first down or two occasions and the time between made six yards around the end. They by a club member: Irwin Tucke, a down and the starting of a second were thrown back on a second attempt Gardnerville, first, \$10; Dana Leet, play was considerable longer than the but tried again and made their yards interval which will exist later in the on an end around end play. Tam third, \$5; Karl Inglis, Fallon, special, threw back the runner on the next \$5 For Nevada the bulk of the out- down; the Indians made five yards

showed better form than at any time The Indians kicked off and Candland last year and was responsible for who had taken McKenzie's place ran Fallon, third, \$5. most of the gains through the line the ball back ten yards. Tam took the carrying the ball over on two oc-ball on Nevada's 40-yard line and casions. Martin was responsible for bucking through tackle into a clear Huttman, Fallon, first, \$10. three scores totaling 18 points and field ran 60 yards for a touchdown. was good on defense. Tam played a Nevada kicked out, North catching, strong, hard game and if he continues but failed to convert. Candland kickhis style of play promises to make a ed off and the Indians were stopped before the ball had traveled far. They nearly made their yards in two end runs but on the third trial were thrown back ten yards. The Indians attempted to kick out of difficulty but the boot was short and Martin catching the pigskin on the bounce raced over the line to a touchdown. The attempt to convert again failed. Root kicked off and the Indians ran the ball back ten yards. Scott took Jensen's place. The Indians were thrown back on the next play and kicked on the second down. Nevada failed on two (Continued on Page Two.)

Interest Shown in Club Work

Attract Considerable Attention at Fallon Fair

VARIOUS PRIZES

Displays of Garden Products Are First Close Game of Season Expected Sent From Over Entire State

Director Charles A. Norcross reports that much interest was shown in the Boys and Girls Club contests at Fallon fair last week. This department of the university extension the number of entrants in the various

Class 1-Garden Clubs

-Best display by any county of garden products grown by club members: Douglas county, first, \$20;

2-Best display by any county of

3-Best individual display of garden vegetables grown by a club mem-Henry Ruhenstroth, Gardnerville, first, \$10; Esther Breeze, Fallon, second, \$5; Irvin Tucke, Gardnerville, third, \$3; Fred Thompson, Garnerville, special, \$2.50.

4—Best individual display of Nevada vegetables and fruits canned by the final whistle blew. Their play forward pass to Martin was attempted a club member: Esther Breeze, Fallon, first, \$10; Fern Elges, Gardnerity with the game that comes from recovering. Nevada kicked and the ville, second, \$5; Josie Cagliari, Gardnerville, third, \$4.

> 5—Best display of potatoes of one variety, 10 each of large, medium and small bakers: Arthur Springmeyer, Gardnerville, first, \$10; Elmer Hansen, Gardnerville, second, \$5; Lawrence Settlemeyer, Gardnerville, third,

6-Best dozen tomatoes of one var-Johnson, Fallon, first, \$5; Dorothy Noler, Gardnerville, third, \$2.

Class 2—Home Economics Clubs 7-Best two loaves yeast bread made at home by a club member: vinia Ruhenstroth, Minden, second, \$3;

Clarita Fortune, Fallon, third, \$2. 8—Best cake of any kind made at

While the improvement over the excellent position but failed and it conducted at State Fair: Ruth Swinstyle of play shown in the practice was the varsity's ball on their own gle, Northam, first, \$10; Thelma Johnson, Fallon, second, \$5; Florence Huttman, Fallon, third, \$3.

10—Best display needle work made by a club member: Margaret Ryan, Reno, first, \$5; Lucile Dressler, Gardnerville, second, \$3; Gladys Markwell, Fallon, third, \$2.

Class 3—Animal Husbandary Clubs 11—Best pig of any breed raised Fallon, second, \$7.50; George Ritch,

12—Best lamb of any breed raised standing playing was done by the again running the end but were by a club member: Florence Huttman, nerville, second, \$7.50; Lloyd Mills, vin Sorensen, Gardnerville, third, \$5.

Davis, Fallon, first, \$10; Grace Brock- \$5.

Hard Fought Contest PURE-BRED STOCK ADDED **Expected Saturday**

Exhibits of Boys and Girls Club Work Sacramento Riverside Club to Bring Team of Experienced Players

AWARDED LINEUP OF TEAM UNDECIDED

to Test Varsity's Playing Ability

The first real test of the varsity's playing strength will be had on next will meet the squad on Mackay Field. work has grown rapidly this year, as The game of last week gave signifiand a good stiff front will be preof several new men on the squad in versity services. addition to a spirit of determination and fight which is half the battle. fight which is half the battle. Coach Glasscock while anxious for improvement over the style of play shown in ble confidence in the ability of the squad to come out on the winning end of the score in this coming game. The squad is showing constant improvement both in condition and knowledge of the game and during the interval of a week's practice will show a large advance in speed and playing ability. The team continues light, although the presence of Root and King on the ends of the line has materially strengthened the defense and aided greatly in breaking up interference. It is hoped that by Saturday Malone and Dennis who have been on the injured list will again be available. At this early date line-ups are only tentative, but it is probable that Coach Glasscock will use most of the men in this coming game whom he used against the Indians last Saturday.

Little can be ascertained regarding the strength of the Sacramento team iety grown by a club member: Thelma inasmuch as they have done little outside playing so far and it has not been possible to get a line on their football ability. With the exception of last year when an imported team was sent up under the name of the Sacramento Athletic Club, Nevada has always administered decisive defeats to the Sacramento teams. However those defeats occurred in the days of Rugby when there were no players of the old game from which to pick a team. The club now has in its membership a number of men who have played the game in the east and northwest and last year they presented a formidable lineup on the occasion of the second teams visit. The game in all probability will be close and hard fought, the varsity squad is determined to put forth their strongest efforts and there is need for every man to be in his place in the rooting section when the whistle blows next Saturday after-

Night Law College

The Nevada College of Laws opens its new term Sept. 11. Beginners and advanced classes, complete courses, LL. B. degree. Be learning while earning. See H. B. Humphrey, President, 129 N. Virginia St., Phone 573. Fallon, first, \$10; Otto Hansen, Gard- less, Gardnerville, second, \$7.50; Mar-

15-Nevada boy or girl dairy cham- Frank Harriman, Alice Hobbins. 13—Best baby beef of any breed pionship, contest at Fair in herd recraised by a club member: Herbert ord work, Babcock tester, etc.: Carlton Hyronemous, Yerington, first, \$10; Emma Lou Singer. 14-Best exhibit of poultry, three Lionel Langford, Fallon, second, birds, raised by club member: Floyd \$7.50; Kenneth Taylor, Fallon, third,

PROF. WILSON RETURNS FROM MIDDLE WEST WITH GROUP OF PURE-BRED SHORTHORNS AND HERFORDS

GIFTS TO UNIVERSITY

EXHIBITORS AT FALLON ALSO DONATE SEVERAL VALUABLE SPECIMENS FOR USE OF AGRICULTURAL CLASSES

ly fortunate in the gifts of cattle Douglas VII, 196770; Volumnia Saturday afternoon when the team which have been made to the agricul- Countess, 592998; Murtle III, 459760; from the Sacramento Riverside Club tural college during the past few Lassie Violet VII, 477223; Lady Doumonths. Not only are these gifts ex- glas VII and Lassie Violet VII were ceedingly valuable but they are indi- the gifts of H. F. Danburg Land & cant proof of the teams advancement cative of the esteem in which the uni- Cattle Co., the remainder of the Unversity is held and also show the value | ion Land & Cattle Co. sented to the California team. The which the cattle and stock companies In addition to the stock purchased rally of last Tuesday was productive of the state are placing on the uni- by Professor Wilson a number of val-

Professor Wilson returned from his ity during the Fallon fair. Two puretrip to the middle west last week with bred Shire mares, which were on exa valuable string of cattle purchased hibition were given by George Wingfrom some of the leading breeders. field and will be placed on the univers-The money for the purchase of this ity farm. The names of these two pure-bred registered stock which will be used for breeding purposes and Woodland Fan 15539. They were takclass room work was furnished by the en from the stables of Mr. Wingfield Union Land & Cattle Co. and the H. at Fallon and have been bred and F. Danburg Land & Cattle Co. The raised by him. purchases consisted of Hereford and Earl Allen of Fallon also contributvaluable Hereford bull, Beau Perfection 34th, 352250. The strain which sey boar. Another prize Chester this animal is a member is attracting White boar was given to the farm by a great deal of attention among the N. H. Locke of Lockeford, Cal. cattle men of Missouri and neighbor-Lady Russell, 242927; May Ross 57, Pacific exhibition.

The university has been particular- | 242931; Orange Lady, 242933; Lady

NO. 4

uable gifts were made to the universanimals are Lady Salvador 15538 and

Shorthorn cows and an exceptionally ed three large Yorkshire hogs. J. E. Thorpe of Stockton gave a Duroc-Jer-

The gifts of the prize hogs and ing states. The animal purchased horses to the university will add for the university is a half-brother to greatly to the stock collection on the Woodford for which Colonel Taylor farm and in announcing the gifts the of Frankfort, Kentucky, paid \$12,400, president states that he deeply apand a half brother also to the head preciates the interest taken by the of the herd of A. B. Cook, one of people of the state in the develop-Montana's leading cattle raisers. The ment of the university farm in adding bull was purchased from Walter S. to its stock. The gifts received are Gost of Kansas City, Missouri, and all pure-bred and high-class stock. is a three-year-old. The other stock Announcements is also made that the purchased by Professor Wilson are: Shorthorn bull belonging to William Herefords, Bessie, 547726; Pamella, Dressler of Minden will head the 552831; Madera Patricia, 548963; Ber- Shorthorn herd of the university this tha II, 5739559; Llella Lee 9, 573961; year. The animal is of exceptionally Evetta, 593960; Shorthorns, Happy high-grade, taking the junior cham-Girl, 242927; Greene Goods, 246541; pionship for his breed at the Panama

Junior Prom Plans Are Started Early

mittees to Arrange for Formal Dance

Plans are already under way for given by the junior class in the latter formed orchestra on next Friday evenpart of the fall semester following ing. The members of the organization the sophomore hop. At a recent meeting of the class committees on refreshments, music, decorations, program and floor management were appointed with instructions to provide every essential which will be necessary for the enjoyment of the guests.

Refreshments-J. Donahue, chairman; Elmer Knight, Hulda Shartel. Music-Ferney Snare, chairman; Myrtle Cameron, Francis Martin.

Decoration-Phoebe King, chairman; Dow Barnes, Lyle Kimmel. Program-Coin Cozier, chairman;

Floor Management—Adele Norcross, chairman; Nellie Wilkinson,

.The student body is indebted to the following for their donations and services on the occassion of the football rally: White Co., use of automobile. Mike Ashiem, smokes. Palace Bakery, melons. Navocovich, melons. Coffin & Larcomb, melons. Ennis Brown, melons. Mineral Rest, melons. Lewis & Lukey, cigars. Frank & Bane, cigars. Reno Meat, melons. Colorado Grocery, melons.

FORMERLY

McKISSICK CAFE

Arrangements Made For Orchestra Ball

Third Year Students Appoint Com- Plans Are Completed for Dance to be Given by University

Arrangements are nearly completed the Junior Prom, the annual dance for the dance to be given by the newly have been carefully preparing during the past few weeks for this affair which they hope to make a signal success among the dances of the year. Dancing will start promptly at 8:30 o'clock. The admission will be \$1 per couple and 50 cents for extra la-The committees appointed were as dies. The receipts of the dance are to be used to purchase new music and instruments for the use of the orchestra. Those who will constitute the orchestra on Friday evening are:

Director, A. W. Preston; piano, Miss Sanini; violins, Cessna, E. Parker, Henry, Ford, Hansen; cornet, Case, Sather, Wagner; flute, Stever; trombone, Tam; bells, Curns; bass horn, Kimmel; drums, Meyn.

The graduate manager of athletics, is walking about the campus these days with a smiling face. A new arrival has come to his family in the shape of an eight and one-half pound Joseph Francis, Jr.

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RENO, NEVADA, TUESDAY, SEPTEMBER 26, 1916 VOL. XXIV.

EDITORIAL

NIGHT FIGHTS

Before the subject gets entirely cold there is need for a word to be said with reference to the clashes which take place annually between the incoming freshmen and sophomore classes. On the whole these class fights exercise a thoroughly good effect on the underclassmen; they cultivate class loyalty from which it is only a step to college loyalty; they serve in getting the men readily acquainted with one another and above all they serve notice on the incoming students that university life is no place for a "molly-coddle."

However these clashes ought to be under strict upperclass control and those serious dangers to life and limb ought to be eliminated. The canerush and dummy-rush have become valuable traditions attached to the life of the university but these sundry night fights similar to the first clash between the freshmen and sophomores occurring on a Tuesday night on NEVADA VARSITY Maple street are far from being under upperclass control and there is considerable danger that in the dark some man may have his head cut open or a similar serious injury inflicted and suffer real harm from neglect. Scarcely a year goes by in which a serious injury does not result from these uncontrolled fights and last year the campus was in suspense for several days over the probability of a freshman dying because a few to King was fumbled. Hill made six sophomores lost their heads for a minute.

We suggest to the men who are to be on the upperclass committee next year that some contest demanding strength and grit, such as a big tug of the ball and made two yards on a line war, be substituted for these night fights which carry elements of un- buck then kicked. Candland caught controlled danger liable to make some parent sorry they sent a son to the ball but on being tackled, fumbled Nevada.

aries. The field was not marked out easant complications on the field. connected with the university. His accountable

The start of the game was delayed services were entirely satisfactory to for a considerable length of time on both sides but the selection of some Saturday on account of someone fail one neutral in letter as well as in covered as the quarter closed. ing to see to the necessary prelimin- spirit tends to the avoidance of unpl

and the freshmen were pushing the We do not know who was responsi marker across the field while the play ble for attending to these details; in ers were lining up. No umpire was fact no one seems to know; but the present and Prof. Charles Haseman responsibility ought to be fixed and acted in the absence of someone not and the responsible individuals held

COATS! COATS!

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RENO HAS RIVAL AT BERKELEY DEAF AND DUMB SCHOOL

As Lloyd Root '16, who has charge of the training quarters wended his way towards his domicile on last Monday evening he found papers of to make their hop one of the biggest which the following is a copy attached to the bleachers and to the doors Assistant Editor of his establishment. The football Associate Editor star shook in his shoes for a while and had visions of blackmail and an Italian band of the blackhand demand a few thousand big "kopecks." but after puzzling over the manuscripts for a while it was possible to make out the following:

Notice

Reno High School boys' first team: If you wish to see deaf eleven boys game of American football with Reno High School eleven boys at Mackay Field, U. of N. I wish myself get deaf boys here from School for the Deaf, Berkeley, Cal.

You se that deaf me and deef cheer boys please gam of football with against Reno N. Sat Mackay field University of Nevada. If California school for the Deaf sure win about 12 Reno High School "o".

Reno High School hearing boys are by state of Cal deaf and dumb eleven boys in Reno who captain the Reno H. S. Your life you would try." wrote

Mr. H. S. Schwarzlose, School for the Deaf, California.

DEFEATS STEWART

(Continued from Page One.) line bucks. A forward pass via Hill yards on a line buck but Nevada had not made the distance. Stewart took and the Indians recovered. They made eight yards in two line bucks and two yards around the end. On the next down Stewart fumbled and King re-

Graham took Root's place. Nevada was on her own 40-yard line. Tam made two yards through the line, but the backs failed in the next two downs and Martin kicked the ball going out of bounds. The Indians made a short gain around the end, Tam downing the runner viciously. The Indians taking another short spurt made their yards twice in line bucks, the interference starting as if to run wide around the end while the runner delaying an instant carried the ball through tackle with the quarter for interference. Kimmel was out for a minute, taking water—a rare occurrence—and after the succeeding play was replaced by O'Datta. Nevada checked the Indians spurt on the next four down taking the ball in the middle of the field. The varsity retaliated for the lost ground, Martin scoring on a mass play to the left which broke the interference and left an open field. The attempt to convert failed. Hill kicked off and Stewart by judicious use of the forward pass carried the ball to Nevada's ten yard line. They attempted three times to buck the ball over but failed and on the fourth down the quarterback tossed a forward pass over the line. The Indians converted. Stewart kicked off and Hill ran the ball back ten yards. Hill and Martin made 40 yards in three line bucks. A forward pass netted a short gain. The Indians tightened on the next attempt to buck the line and a forward pass failed as the half ended.

The initial lineup was as follows: Center, Kimmel; guards, Buckman, Krick; tackles, C. Melarkey, Jensen; ends, Root, King; halfbacks, Martin, J. Smith; quarter, McKenzie; full

Freshmen Tender Annual Hay Ride

Special Train is Chartered for the Ride to Washoe City

After a week of expectation and argument as to where and when the big event was to be staged, the freshmen tendered their annual hayride to the junior class last Saturday evening. A special train was chartered and the members of the party journeyed to Washoe City by way of the Virginia and Truckee. Dancing was enjoyed in the old town hall until a late hour when the services of the train were again demanded for the return trip. During the dancing refreshments of dainty sandwiches and punch were served.

The impending clash between the freshmen and sophs who arrived on the scene by means of automobiles and trucks armed with stale fruit of various kinds including the chicken variety did not materialize. A conference of conciliation was held and the freshmen agreed to accept the presence of the sophs under promise of gentlemenly conduct. Between 40 and 50 couples enjoyed the party and

SOPHOMORES PLAN FOR FORMAL DANCE

Intend to Make Ball One of the Biggest Dances of the Year

It is the intention of the class of '19 dances of the year. A committee has already been appointed to prepare plans for original decorations, etc.

From the present outlook the dance will take place during the latter part of November in order that the football men might participate. The committee is working industriously with Earl Wooster as chairman, Misses Isabelle Slavin, Fern Wright, and Messrs. Stevens and Caffrey as assistants.

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MANZANITA HALL

Who got the watermelon?

Well, we know now, but we didn't for a long time last Wednesday night. All was peace and quiet that evening, until certain ones accused certain other ones of taking their waterful to our American ideal of neutralrealize that we displayed a marked in- port and back up the team. consideration for the nerves of our neighbors, and we humbly beg their

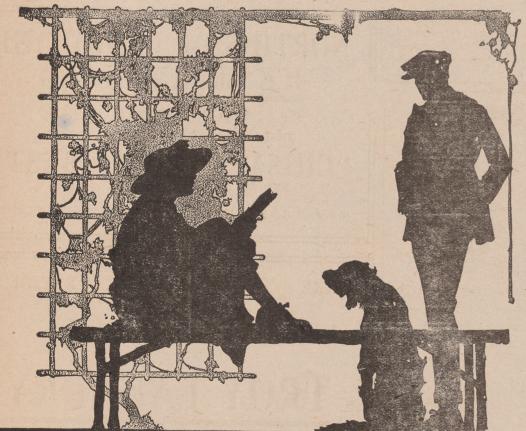
true to the specifications on the posters, but they had a much better time Supper was cooked over the campfire and some time later the party ended with ice cream cones and songs sung around the fire. There is talk next of a Sunday breakfast. Watch for notices of it.

The "study" on first floor of Manzanita is now equipped with a lighting fixture suitable for studying in the evening. We are glad to have such a room in which to retreat when our powers of concentration fail to serve us. This study is also for the use of girls on the hill who are not residents of the hall. They are welcome to come over here any time during the day and make themselves at

The M. M.'s are certainly a jolly bunch of hikers. After the football game Saturday they walked to Chisms with their supper safely packed in paper sacks. With long green willow forks they toasted bacon and weenies. Hot-dog sandwiches are certainly good. Was that all? No, indeed, some ingenious minds thought of roasted bananas and everyone had one. With everyone in a merry circle around the dying coals of the camp fire, they sang songs old and new, ending up with "U. of N. So Gay". Girls can yell, too, for before they left college loyalty had to show itself. A happy, tired crowd left Chisms'

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FOOTBALL RALLY AROUSES SUPPORT

Enthusiasm Is Stirred By Faculty Speeches and Pledges of Support

Some of the good old Nevada "pep" was present at the football rally in the gymnasium last Tuesday night. Brown spoke to the girls. And there melon, and most of the hall, unfaith- Enthusiastic speeches by coaches, professors and old men were applauded Eva Walker sang for us. ity, sided one way or the other. Ex- in a way which indicated that the apcitement was waxing warm when cer- peals for support and help on the to talk about had to do with two quotain upperclassmen urged cessation, football field would be fully answered. tations from the "Sermon on the thereby saving a demure sophomore The affair was characterized by the from the cold horrors of the tub. In spirit of unity and loyalty with which treasures upon earth where moth and our quieter and saner moments we the student body must and will sup-

ered and all superfluous clothing had said we should have such rich treasbeen disposed of, every man, except ures within us that our friends and The Walking Club of Manzanita the freshmen, delegated to do the strangers would all find something went out to Chism's Saturday, serving, sat down at the long tables worth while in our character. The zanita went out to Chism's Saturday, and was served with watermelon and university offers us these treasures in smokes furnished by the downtown each course on the hill, but Y. W. C. A. merchants for the affair. As the eat- brings them to our notice and gives than said posters ever intimated. ing progressed Professor Charles spiritual refreshment to us all. Haseman was called upon to sound the keynote of the evening. He called O, you should have come to hear her, attention to the need of support for but if you were unfortunate enough the team not only in increasing the not to, ask some of the girls about it number of men on the squad but in and don't miss next Wednesday, bestrong organized rooting at the games cause-well, it will be a surprise for and during practice. Coach Glasscock every girl, so come to Stuart Hall and followed Prof. Haseman and pleaded find out what the rich treasure is, for the kind of playing which in any which is in store for us.-I. B. '17. event whether Nevada wins or loses will always make the institution proud of the fighting qualities of the team.

Mr. Weatherwax spoke a few words of support and encouragement, recalling how Robert Simpson, of the University of Missouri, which is Mr. Weatherwax's alma mater, by careful living and training has made himself a champion hurdler during the time he was in college. Dean Knight and Professor Turner followed with assurances of faculty support and prophecies of a winning season. Former Captain Root urged a stronger support of the team placing the emphases upon sacrifice of physical comfort and the giving of time and effort towards placing a first-class aggregation in the field.

Ed North followed in a pointed speech characterized by plain-spokeness and pledged his support and help to the squad. The music of the evening included a mandolin and guitar with a goodly store of ice cream cones. duet by Guevarra and Valentine, the Be an M. M. next week end.—I. B. '17. two representatives from the Philippines, a solo concerning rabbis by Bacchus with accompaniment by Tam, and the rendering of "Macaroni Joe" by Ed Caffery accompanied by Newton Jacobs. Near the close of the evening while music was being dispensed by members of the Lincoln Hall, mandolin and guitar orchestra season tickets entitling the holders to admission to the season's games were distributed to the men for sale to the townspeople.

MILITARY DRILL

Bulletin No. 3-Sept. 22, 1916

The following schedule of instruction for week commencing Monday, Sept. 25, is hereby announced:

Monday, Sept. 25-Rifles will be issued to members of old cadet company (hereafter Co. A.)

New cadets drill in school of com-

Tuesday, Sept. 26-Rifles will be issued to new cadets. Co. A, close order drill.

Wednesday, Sept. 27-New cadets instruction in manual of arms. Co. A. special instruction in fire distribution. Thursday, Sept. 27—Same as Wednesday.

On the days that rifles are issued to cadets, lockers will be assigned. A deposit of 50 cents is required on locker keys.

By order of the Commandant of

EDUCATIONAL SURVEY BEING COMPLETED

Representatives of Bureau of Education Examining Status of the University

The educational survey now being made under the guidance of Dr. Copen and Mr. Stevens of the United States Bureau of Education is proceeding rapidly towards completion.

During the past week interviews have been held with members of the various teaching departments of the school and with representative students. The survey is for the purpose of ascertaining the scholastic standards of the university, the efficiency of the teaching force and the general moral and social conditions surrounding the student life. The investigators are particularly interested in the kind and amount of service which the university is performing for the state through the medium of the public laboratories and extension division.

Following the completion of survey a report will be compiled stating the results of the investigation and giving the status of the university judged by the bureau's standards.

Dave Abel '15 was in from Winne mucca visiting on the campus during

Y. W. C. A.

There is rich treasure laid up in Y. W. C. A. for every girl who is wise enough not to miss a single meeting. Phoebe King led the interesting meeting last Wednesday, when Dean is always special music. This time

Mount." Lay not up for yourselves break through and steal, and the king-When the crowd had largely gath- dom of heaven is within you. She

And what else did Miss Brown say?

The best sundeas in town. Dalton,

The topic which Miss Brown choose

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workmanship make these pencils unrivalled. Look for the distinctive Venus water mark finish when you buy. 17

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For

And

to Support

C. P. FERREL REPUBLICAN CANDIDATE

FOR SHERIFF OF WASHOE COUNTY

W. Dan Dunkle (Incumbent)

Regular Democratic Nominee for

COUNTY TREASURFR

Washoe County

Election, November 7, 1916

CYRIL H. (MIKE) KNOX Deputy City Clerk

FOR

COUNTY TREASURER

WASHOE COUNTY, NEVADA

VOTE FOR

IOHN HAYES (Incumbent)

Regular Democratic Nominee for

COUNTY ASSESSOR

F. K. Unsworth (Incumbent)

Regular Republican Nominee for

JUSTICE OF PEACE

Your Support Will be Appreciated

VOTE FOR

A.A.BURKE

Regular Democratic Nominee for

SHERIFF

VOTE FOR

R. B. HENRICHS

Regular Democratic Nominee for

County Commissioner (Long Term)

VOTE FOR

W. H. (Holmes) Goodwin

Regular Democratic Nominee for

Justice of the Peace

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NEW FLOTATION OIL DEVELOPED

of Particular Interest to Engineers

As a result of the extensive study of chemistry, Prof. Maxwell Adams expense is a result worthy of note in has written a treatise on the proper- this country where water is king. ties of the oil which has been published in the Bulletin of the Ameri- State University through Dean Scrug-The paper has invited considerable federal government, has been engaged

The gist of the paper follows: cause of its possible utilization as a ble. flotation agent in the mining industry. A list of some of its physical properties, together with the method used in its extraction, may prove of interest at this time.

Something over a year ago, a study of the essential oils in desert plants was begun in the chemical laboratory of the University of Nevada. None of the oils so far studied possess properties of special interest to engineers, except the oil of sage, Artemesia tridentate, which has exceptional power as a flotation agent. This plant, known as common sage brush, also called black sage, is widely distributed over the semi-arid west, be-

The method of extracting the oil followed in these experiments is very simple. The leaves, twigs and small branches are placed in an air-tight drum, having a capacity of about 27 cubic feet. Steam is admitted through a number of small openings at the bottom of the retort, and the pressure maintained at 20 to 25 lbs. per square inch for three hours. The escape of the steam from the retort is regulated by allowing it to pass through a stop-cock into a condenser. The water in the receiver is drawn off from time to time and the oil, wheih is insoluble and floats upon the water, is thus collected. At the end of two hours most of the oil has been driven out, though traces continue to come over for a much longer time. By raising the pressure, the time required could probably be shortened and the yield increased, but the lack of laboratory equipment has prevented the carrying out of this experi-

green; the other was air dried for 10 supervision of Mr. Bixby. days before distillation. The green sample yielded 275 grams, and the dried sample 248 grams of oil, show-balton, Clifford & Wilson Co. ing a loss of about 10 per cent.

A laboratory experiment can furnish little data useful in forming an estimate of the commercial cost of production. A man working for six hours, and using a pair of common pruning shears, collected twigs which yielded 1 lb. of oil. Since only a

a straw-yellow color upon standing. It has the following physical properties: Density at 15 degrees C., 0.9206. Marguerite Crotty. Refractive index at 20 deg. C., 1.4732. Rotation at 20 deg. C., -4.69. At 98 deg. C., a light oil, with a very sharp and pungent odor, begins to dis- has failed to give the ordinary tests can be distilled.

a camphor-like odor and taste, but make it available for ore flotation?

University Men Enlarge Supply

Extract of Sage Possesses Properties Flow of Water Is Increased Many Times Under Direction of **Engineering Department**

To increase a flow of water from Independent of September 7 is selfof the essential oils of desert plants five gallons per minute to 157 gallons explanatory and may prove of interest carried on last year by the department per minute at a comparatively slight

The engineering department of the can Institute of Mining Engineers. ham and F. L. Bixby representing the attention and Prof. Adams has been in research and experimental work in invited to present the result of the connection with water development in experimentation at the Arizona meet- Southern Nevada for some time. In ing of the institute which is o occur addition to the study of the growing of crops and the use of water for irrigation in this section, thye have been Considerable interest has recently making a study of the possibilities of been developed in sage-brush oil be- increasing the supply of water availa-

An examination of many of the water mounds, so called, which dot tion was supremely delighted. the Vegas valley, convinced the gen-

hole 30 feet across and 15 feet deep. a white-livered buck nigger. The effect upon the flow of water is Mr. Harriman is every inch a gen-200 gallons per minute is obtained.

Where there was little more than a the hole clear of sand and muck, re- to the hearts of the big crowd more flow of the water and even if no further increase is obtained, the results obtained are valuable.

Not the least important feature in connection with this work is the demonstration by Messrs. Scrugham and Bixby of the fact that the water The stock wood, bark and branches mounds may be as valuable as drilled contain no oil, the distribution of the artesian wells. In fact it seems clearoil being limited to the leaves and ly established that every water young shoots. There is a seasonal mound shows the location of a strong variation in the amount of oil con- natural spring which has been clogged tained. Samples collected on different by the growth of vegetation and by dates gave the following amount of rocks and sand. In the work just done oil: May 1, 0.42 per cent; May 27, the mound was found to consist of an 0.6 per cent; June 30, 0.72 per cent; impervious mass of roots cemented Aug. 1, 1.09 per cent; Sept. 10, 1.0 together by an adobe soil which forms per cent. The increase appears fairly a mass through which it is impossible constant from early spring, when the for water to flow. An interesting leaves first appear, until light frosts feature of the work was the uncoveroccur in the autumn. When the plant ing at considerable depth of the bones is air-dried there is some loss of oil, of animals. The operation are beas the following data will show: Two ing conducted by Messrs. R. A. Allen 100-lb. samples were collected at the and Tom Edsall under the direction of same time. One was distilled when Dean Scrugham and the immediate

SOCIETY

PI BETA PHI

small percentage of the oil is lost if Summons were issued by Pi Beta the brush is dried, the most economi- Phi early in the week to several memcal method of production would per- bers of the freshmen class to appear haps be to collect it in large quanti- before a "kangaroo" court for campus ties, by using a tractor engine and crimes, on Friday evening, September a drag, in some such way as land is 22nd. The accused were given a decleared for farming. When the brush licious dinner to buoy up their faintis dry, the leaves and young shoots ing spirits until the court convened are easily shaken from the limbs. at 8 o'clock at the home of Miss Myr-Thus the amount of material to be tle Cameron on Vine street. Much distilled would be greatly diminished merriment was caused by the very and the oil perhaps obtained at a legal arguments of the lawyers, the the bride while the groom was supcost and in quantity sufficient to make | decisions of the jury and the profunit available as a flotation oil, if not dity of the judge. Later the court alone, possibly as a ingredient, to in- adjourned for a chafing dish supper. crease the flotative power of other Besides active and alumnae members of Pi Beta Phi, those present were: The crude oil is dark in color. When Katherine Kemper, Nevada Cozier, redistilled with steam it is water- Lelia Ogilvie, Margaret McMasters, white at first, changing gradually to Lois Codd, Edna Short, Alice Boynton, Josephine Legate, Martha Folsom, Helen Cahill, Marie de Flou and

Don't forget the home of orange pudding. Dalton, Clifford & Wilson.

till, but only after the temperature for ketones. The fraction boiling at is above 165 deg. C. does rapid dis- 175 deg. to 180 deg. C. has some of tillation take place. At 180 deg. C., the properties of ordinary cineol, but the oil turns dark and decomposition is acted upon by metallic sodium, begins. At a pressure of 12 mm., and which indicates that the chief inbelow 125 deg. C. almost all the oil gredient is not cineol. The chemical composition, which has little interest The chemical properties of the oil in this connection, will be worked out are as yet undetermined. There are later. The important question for the small quantities of alpha and beta engineer is: Can the oil be produced pinene. The main part of the oil has in quantity and at a cost that will

ROUGH COWPUNCHER BEATEN BY STUDENT

Would-Be Tough is Thrashed by Well-Known Student at Elko Rodeo

The following taken from the Elko

known Mexican cowpunchers, who has ing for the university in its buildings to the great delight of the thousands of Reno. Figures are not now availa-

manner, Baldes has made himself the cation of the policy of the regents is

The trouble started over the relay tlemen that by opening up the mounds race which was won the day before very considerable flow of water by Frank Harriman of Fallon. Harrimight be secured from many of them. man had clearly demonstrated his su-A promising location was found for perior horsemanship over Baldes, and experimental work on the Park ranch the latter was humbled to the earth. above the springs which now furnish He couldn't stand the sting of defeat, the water supply. An arrangment and when the judges decided for was entered into with Dr. Wm. S. Young Harriman and the crowd voiced Park, whereby he defrayed the cost its expression of approval, Baldes of operations over and above the went on the war path. He hurled the salaries of those engaged in the ex- vilest epithets at the young man, and perimental work. An excavation was challenged him to fight. The challenge made in the top of a water mound, a was quickly accepted, and in less time dredging pump driven by a gasoline than it takes to tell it the burley ing found quite generally on most of engine put in place and sinking be- Mexican was flat on the ground, the dry plains and mountains west of gun. As the excavation reached a squealing for help like the dirty depth of eight or ten feet the sides coward which he is. He showed a began to cave in until there is now a streak of yellow which would disgrace

> startling. At the beginning of the tleman, and while he deeply regrets work a careful measurement of the that the trouble took place in so conwater showed a flow of five gallons spicuous a place yesterday, he had no removed from the hole. By pumping of red blood in his veins would have panied by his parents. taken.

Physically, Mr. Harriman is much seepage, there is now a strong flow smaller than Baldes, but he has of water coming up with considerable proven himself the latter's master in force. As the work progresses it is every sense of the word. In the two visitor on the campus last week. He necessary to crib against caving. It is previous days he had won the admira- expects to return to McGill shortly the intention to sink the cribbing to tion of the crowd, but his disposition but will register in the spring semethe solid rock if possible and pump of Baldes yesterday warmed his way moving all impediment to the natural effectively than could have been accomplished in any other manner.

assure you that you have nothing to regret for the part you played in yesterday's trouble. All Elko honors you velcome you in the future.

As for Baldes, he languishes in durance vile, where he belongs. He made stronger the contempt that has long within the past week. He is leasing been felt for him, and when he gets at Olinghouse and the report goes out of jail the sooner he shakes the that he has struck a pay streak. dust of Elko from his feet, the better it will be for all concerned.

ALUMNI

Ruth Pyle during the summer.

Miss Kate Rigeluth of the department of German attended the summer school of the University of Wisconsin during the recent vacation.

The friends of John M. Henry, former student and member of T. H. P. O., will regret to learn of his very serious illness.

Bird-Nyswinder

On August 7th Miss Dorothy Bird became the bride of Prof. James Nyswinder. The ceremony was performed at the home of the bride's parents on Seventh street before a gathering of close friends, Rev. W. D. Trout of the Congregational church officiating. Miss Maud Price attended ported by Prof. Charles Haseman.

The bride is a graduate of the university where she was an honor student and a member of the Tri Delta

Mr. Nyswinder is a graduate of University of California and for the past two years instructor of mathematics at the university. He is a member of the Sigma Alpha Epsilon fraternity.

The young couple have decided upon Reno as their future home.

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FRESH FRUITS

STUDENT LABOR

Some interesting figures have recently been compiled with reference to student labor at the university. While the registration of the university for the year beginning July 1, 1915 to June 30, 1916, in all its departments was 611, of which 441 were regular course students, it is safe to say that at least 50 per cent of the latter were earning their way, in Manuel Baldes, one of the well- whole or in part, either through workbeen prominently connected with the and grounds, dining hall and dormimanagement of the Elko Rodeo for tories, laboratories and offices, or on the past several years, was worked its farms, or were supplied positions over in splendid fashion yesterday through university influence with the afternoon in front of the grandstand, business men and others in the city ble to show what has been expended By his arrogance and domineering for such labor this year but an indimost unpopular man connected with seen in the fact that during the latthe Rodeo, and when he was made to est biennial there was paid to stusqueel yesterday by a mere slip of a dents working for the university in boy, the big crowd without an excep- one or another capacity in its vari-

ous departments, as follows	
Buildings and grounds	\$8,748.96
Farm, experiment station	
Library	897.34
Storekeeper, chemistry room	450.00
Mathematics	515.00
Civil engineering	540.00
Physics	860.25
Mechanical engineering	1,152.97
Veterinary science	847.54
State hygienic laboratory	946.95
Botany	426.10
Home economics	261.00
Dairying	180.00
Chemistry	399.25
Agricultural chemistry	
State analytical laboratory	
Food and drugs	
Bandmaster	
Cadet officers	
Miscellaneous	675.30
Total	\$20,146.85

"Dink" Smith '19, who was confinper minute. Now there is a flow of other recourse. He tried to avoid a ed to the hospital with a rather se-157 gallons per minute and the flow fight until the Mexican called him vere case of blood poisoning, has left is steadily increasing as the muck is names which no man with one ounce for his home to recuperate, accom-

> ber of the University Annex at Mc-Gill for the past few months was a ster. "Phat" Barton and "Pistol" Baron who have been visiting in town will also return to McGill shortly.

At the graduation exercises of last We salute you, Mr. Harriman, and May the degree of civil engineer was conferred upon Edgar Pearson, a former graduate in civil engineering, now with the Northwestern Electric as a clean cut gentleman and a true Co. in Portland, Ore. The degree was sport, and we will always be glad to the first of its kind conferred by the

Furio Dondero was on the campus

GWINN-MAXSON

One of the many weddings to take place during the summer was that of Lillian M. Gwinn, ex '19, and Elwyn L. Maxson, a former student at the preparatory school. The union was solmnized on June 3 in the chapel of Bishop Hunting's home in Reno. The Miss Tillie Jepson '12 who spent the bride was a member of Delta Delta last collegiate year at Bryn Mawr Delta and the groom of Delta Sigma. was a visitor at the home of Miss The happy couple are making their home in Reno.



Clothes are every. thing-or nothing-in the make-up of a man. It pays to pay attention to

> By the way - did you forget to come in?

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that the "Missouri Plan" was impossi- also indicated on the report. ble of application to the Nevada instination of approximately 9,700 grades. ster was thus determined. There is no doubt but that other small universities will find in this system of re-grading a most helpful of a general problem.

the report of the committee.

"In American universities and colprizes and honors are awarded on the basis of scholarship, and where scholthat a just system of grading obtains: that approximately the same standard shall be maintained and that the same system of grading shall be used by all the different departments. It is not just that a given department the major part of its students high or low grades; neither should a department by means of its system of grading control, or in a large measure control the award of the prizes, honors, etc. It is recognized that a fair system, indeed a scientific system of grading should prevail-but in the smaller institutions where the classes are generally small, it is almost impossible in any one year to make a scientific distribution of the grades as is required by the "Missouri Plan."

Recognizing the difficulty and also the injustice of the prevailing system this should not be a serious objection. of grading students, the senate of the University of Nevada in May, 1915, appointed a committee to study the grades assigned by the faculty and to report to the senate a method of equalizing the grades. This committee consisted of Dr. Charles Haseman, Dr. J. C. Watson and the writer.

During the following summer and were adopted by the board. In the with the form of the data available. hope that the plan may prove sug- It is further obvious that the most gested.

semester was obtained for a period der our present system of grading. covering the preceding three years.

low the student's average for the taken. semester and a negative sign if the The committee therefore recomgrade in question was above the stu- mended: dent's semester average. Thus, if in 1. That in all departments having one course Professor A marked X 80 a negative correction factor the per cent. while X's average for that standards of work, or the standards semester was 83, a correction of plus 3 of grading, or both, be raised. would be entered opposite X's name 2. That this raising of the standon Professor A's report for the seme- ards take place immediately. ster; if, however, Professor B in his 3. That a permanent committee on course gave X a grade of 87, then on grades be established, the committee Professor B's report for that seme- to consist of three members, rotating tity, plus or minus, that must be add- man.

PROBLEM OF GRADING ed to the professor's grade in order to

Having examined in this manner all Committee Makes Report Which Is the grades reported by each instructor, at the end of the report on each course the following data were recorded: the sum of all the positive correc- mittee. In the Saturday, Sept. 9, 1916, issue tion factors, the sum of all the negaof "School and Society," published in tive correction factors, and their dif-New York, there appears an article by ference, which in turn was divided by 1915-16 the corrections shown here-Dr. L. W. Hartman, professor of phy- the total number of students who sics in the University of Nevada, upon passed the course. Thus the average "Grading Systems Again." Dr. Hart- positive or negative correction factor man of the committee of the Univers- for the given course was determined. ity of Nevada on Grades and Grad- In addition to this factor, the number ing, consisting of himself as chairman, of incompletes, conditions and failures Dr. Watson and Dr. Haseman, finding in the course for the semester were

All these data for each of the six tution, made an analytical study of semesters were then tabulated for the needs of a small university, where each course that had been reported to scholarship prizes and awards are the Registrar's office and the total given, for a just system of grades and correction for each course indicated. grading. This analysis covered a On the basis of each student unit-hour, period of six semesters and an exami-an average correction for each seme-

The plan outlined possesses certain suggested. It avoids any arbitrary course. distribution of grades, as required by Because of the intimate interest the "Missouri Plan," a system which which students may take in the settle- may be just for an entire student body mum passing grade. ment of this matter we are printing or possible wherever classes are large, but which can hardly be justly applied to all courses alike, and certainly not leges where scholarships, fellowships, to small classes. It avoids the common objection of those, who rightly or tor's final grade and 100; nor shall arship is determined on the basis of the standard by the claim that their grades, it is a question of importance students are better than the average. tween the instructor's final grade and For the grades in every course are 70. judged solely by their relation to the average of the same students in all their work. The comparison is not dent shall receive for purposes of between different classes of students. If an instructor is found to be grading cent. in all courses wherein the corby virtue of its standards shall give all his classes five points above their general average, it is a justifiable conclusion either that his standard of all courses wherein the corrected marking is too easy, or that his re- grade shall be between 85-89 per quirement of work is too low. If he average, his standard of marking is and shall apply only to grades given too hard, or his requirement of work in this university. Of the credits is too high, or both may be true. The offered by any student toward graduplan suggested lets every course stand upon its merits, whether elective or have grades between 70-75 per cent. required, whether elementary or ad- This provision shall take effect with vanced. It has the further advantage the present freshman class. of supplying an immediate correction These are real difficulties for the in- factor for a new course or a new in- of courses be simplified and systemastitutions in which all the classes are structor. Its disadvantage lies in the tized and that the numbering be mainamount of work required in reaching tained so far as possible uniform from the results, but if the system is just, year to year.

> this study of the statistical data— in on the blanks used hitherto. facts in the individual case for which the individual instructor alone is rethe following obvious conclusions:

autumn this committee assembled all tions, failures, incompletes and credit the year. the grades reported at the end of each grades were represented merely by a semester for the past three years—six symbol, the average of the recorded that the positive and negative correcsemesters in all-and subjected their passing grades obtained by the method tion factors, mentioned above, varied data and findings to a series of tests. indicated above is too high for many from a minus 10 to a plus 12. The In the month of November a report of the students and therefore the re- average correction factor to be applied was presented to the whole corps of sults reported herewith operate in to each instructor for all courses up instruction of the university and then favor or rather than against those in- to the end of the year 1914-1915 in turn to the university senate. In structors who are accustomed to give varied from a minus 8 to a plus 5. each case after a thorough and critical high grades and against those who The extreme variation is illustrated discussion, the report was adopted are accustomed to give low grades. without a single dissenting vote. This Although realizing fully the signifi- one of the tables. report was then referred to the board cance of this phase of the situation, of regents for approval and adoption. the committee believes that it has At the April meeting of the regents done all that it was possible to do the report and the system suggested with the data available, and especially

gestive or helpful to some of our serious aspect of this problem of smaller colleges and universities, it grading is moral and ethical. Deservis herewith submitted for considera- ing students who do a high grade of tion. The committee felt that it did work in classes where a severe standnot desire to take radical action or to ard of marking prevails are placed at propose a system that would be revo- once at a disadvantage compared with lutionary. We believe that in time students who, perhaps in some cases. the system proposed will evolve a just purposely elect work in departments and normal system of grading as the where an easier standard prevails, and faculty conforms to the plan sug- possibly the most meritorious students from the standpoint of scholarship The method pursued was as follows: and ability are deprived of honors, The passing grades for each student prizes and scholarships of a monetary in the university were tabulated by value. The university faculty should semesters in suitable form. The aver- clearly recognize that a system based age passing grade on the unit-hour on the principles of justice, fair play, basis obtained by each student in all the "square deal," honor, must be inhis subjects during each semester was stalled to replace our present lack of then determined, i. e., the grade given system. A department by its preponin each course was multiplied by the derance of a total positive or negacredits in the given course and these tive correction factor should neither products were then summed up (for deprive a student of an honor or a the semester in question) and divided prize to which he is entitled nor should by the number of credits involved in a department be able to give the prize the given instance. Thus for each or honor to an undeserving or unstudent in the university in 1914-15, worthy student. The committee bethe average of the passing grades per lieves both of these are possible un-

It should also be noted that in the Having obtained these averages, the selection of correction factors no fracreports handed in to the registrar's tional values were taken. The nearoffice by each instructor were examin- est whole number in each case was ed and a correction factor indicated taken. In case the decimal was above for each of the students reported one half, the next number above was thereon. This factor had a positive taken; in case the decimal was below sign if the grade in question was be- one half, the next lower number was

4. That all instructors be required attain X's average grade for the seme- to hand i nall reports of grades within five (5) days after the completion of the final examinations.

5. That all grades before being entered upon the final records shall be inspected and corrected by this com-

6. That in the selection of honors, scholarships and prizes for the year with be applied to all courses given

7. That corrections be applied to all courses given in 1915-16 where close conformity to the standards herein recommended is not shown.

8. That after the grades of the present semester are reported a new correction factor be determined for those departments which conform closely to the system herein recommended—and that in all other cases the average correction factor in each course, based upon the six preceding semesters, be applied.

9. That all future grades of "credit" "condition" and "failure" be reported advantages over others that have been with the actual grade attained in the

10. That all future grades of "Cr." be treated as of grade "70," the mini-

11. That no changes by the grade committee shall raise a student's final grade in any subject more than one half the range between the instrucwrongly, explain their deviation from any grade be lowered by the committee more than one half the range be-

12. That a system of "credit for quality" be adopted whereby a stugraduation a credit bonus of 15 per rected grade shall equal or exceed 90 per cent., and a bonus of 5 per cent. in cent., inclusive. This provision shall is grading them below their general apply to the next graduating class, ation not more than 25 per cent. shall

13. That the system of numbering

14. That for the purposes of this In view of the results obtained from committee all reports shall be handed

15. That at the end of the first semester the registrar send to the parsponsible—the committee called the ents of each student only the grades attention of the instructing staff to of "condition" and "failure" and after the end of the second semester the Inasmuch as many, if not all, condi- registrar send the complete reports of

In individual courses it was found by the following cases selected from

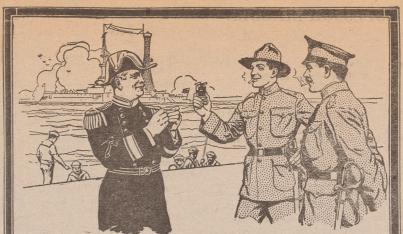
Profes- sors	Average Co rection for All Course	No. of Passing Grades	ng	No. of Fail- ures	
A	Plus 3	286 463	48	25	
В	Minus 8	463	3 8	4 2	
C	Minus 1	255	8	2	
D	Minus 0	74 232 269 196 394	0 5 29	0 4 2	
E	Minus 5	232	5	4	
F	Plus 3	269	29	2	
G	Plus 4 Plus 2	196	45	50 86	
H		394	58	86	
I	Plus 4	228	5	4	
J	Minus 4	386	5 4 1	1	
K	Minus 6	386 235	1	4 1 9 1	
L	Minus 3	381	27	1	
ABCDEFGHIJKLM	Minus 0	377	23	26	

Three of the columns in the table above are significant, the correction factor in the first column of figures and the numbers given under conditions and failures in the last two columns. These values certainly suggest a diversity of standard either in marking or in the character of the work given by the various departments renresented

In connection with this report a second table was prepared. In this table the grades of each instructor as reported in the registrar's office were classified as follows: the percentage of all his grades between 100-95, 94-90, 89-85, etc., between 100-90, 89-80, 79-70, etc., were determined. A few illustrations to show the diversity of grading prevalent in the different department are given in the following

	Statement of the Owner, when					-	
Professors	100.90 Per Cent	89.80 Per Cent	79.70 Per Cent	Conditions, Per Cent	Failures	Per Cent Grades	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED I
ABCDEFGHIJKLM	6.2 86.9	26.3	1.8	12.0	6.0	418 558	ı
2	16.5	58.5	14.4	2 1	0.6	327	ä
D	57.6	19.6	10.0	3.1 1.4	17	518	ă
E	57.6	31.2	6.4	2.0	1.7 1.2 0.9	243	a
E	4.5	41.8	40.9	8.4	0.0	337	ă
r C	0.8	30.3	34.4	13.6	12.7	354	ä
TT	14.7	30.3	29.3	10.2	15.2	605	ä
무	10.5	52.7	23.7	2.0	1.7	296	ä
1 7		53.0	1.1	0.2	1.1	462	ı
J	34.2	62.5	10.4	0.2	3.9	640	ă
IX.	18.0	29.1	3.0	0.4	2.6	268	ĕ
11	60.1			0.4		525	-
M	32.2	32.2	15.8	5.1	0.2	147	

A superficial glance at this table ster a correction of -4 would be en- in office-a new member to be appoint- will show the wide diversity of standtered opposite X's name. Thus the ed each year, and the senior member and of marking existing in the various correction factor indicated the quan- of the committee to serve as chair- departments, yet in the determination (Continued on Page Six.)



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Prof. Boardman Lectures to Club

Subject of Neglected Phases of Education Is Discussed

Science Club Professor Boardman of livered a lecture on "Some Neglected Phases of Technical Education." He said:

Considerable discussion during the plies received to two circular letters information as to the qualifications that produce success in the engineering societies, the Society for the Promotion of Engineering Education and the American Chemical Society. The first and second progress reports grouped the desirable qualities under six general heads, with percentage ratings indicating the relative importance assigned to them based on the replies received as follows:

Progress First Per Cent. Qualifications.

1	Character	41	
2	Judgment	17.5	
	Efficiency		
	Understand of men		8
5	Knowledge of fundamen-		
	tals	7	
6	Technique	6	1
	THE STATE OF THE S		10
	Reports Second Per C	Cent.	
1	Character		
2	Judgment	19.5	
3	Efficiency	16.5	
	Understanding of men		7
5	Knowledge of fundamen-		
	tals		
6	Technique	10	2
			10

The second summary is based on more than six thousand replies.

Numbers five and six are the only ones that are generally supposed to occupy much of the time of American technical students at least judging from the published courses of study of our colleges and universities.

Those who think a four-year undergraduate technical course can properly give time to developing all these qualifications approximately in proportion to the percentages indicated, have some job on their hands in the way of showing us professors how to revise our courses of study.

No doubt much can and will be done however toward attempting to impress the students with the importance of the first four qualifications, but probably in assigning the percentage ratings to them the persons answering the circular letters had in mind the ideal successful engineer of twenty or thirty years practical experience, not the young graduate.

Numerous interesting points have sions of this subject in the technical calling.

is after graduation from college.

Dean Marston of the Engineering Division at Ames, Iowa, shows the absurdity of rating men even for prominent engineering positions by the percentages given in the first progress report (the only figures published at the time he wrote his discussion). He applied this method of rating to three "moderately successful engineers" and also to three "prominent successful business men". His marking under the six heads when multiplied by the per cent rating for these heads showed all three of the business men to be better qualified for responsible engineering positions than any one of the three "moderately successful engineers." The results would not have been quite so absurd however if instead of treating four of these qualities as abstract, he had changed numbers two and three to engineering judgment and engineering efficiency which of course would have lowered his markings of the business men under those heads. While those business men may deserve higher ratings in judgment and efficiency as applied to their respective callings than the three engineers do in theirs, it must be evident that the judgment and efficiency of the business men in engineering matters would be very limited on account of their lack of knowledge and skill in engineering. In other words a high degree of judgment and efficiency in any calling is dependent on a considerable degree

PROFESSOR LINCOLN **RETURNS TO CAMPUS**

Summer Is Spent In Exploring Trip In Mine Fields of South America

At the last meeting of the Faculty NEW SPECIMENS GATHERED

the civil engineering department de- Data Gathered for Possible Expansion On Part of Goldfield Consolidated

Dr. Francis Church Lincoln of the last few months has resulted from ad- Mackay School of Mines, who was vance publication of the study of re- granted a leave of absence from the university last May, returned this sent out by Professor C. R. Mann of week from South America, and will the Carnegie Foundation asking for resume his classes immediately. Professor Lincoln sailed from New York, and on the downward trip visited Cuba, Panama and Jamica. The greater part of the summer was spent in the mineralized districts of Bolivia and Peru, where in company with A. W. Newberry of the exploration department of the Goldfield Consolierty which he prospected and examined. Mr. Newberry remained in Peru where he is continuing his exploration Dr. Lincoln's headquarters were at

La Pax, Bolivia, an interesting city of some 75,000 inhabitants, 90 per cent tion of the faculty is drawn to them of whom are Indians. The city is sit- or until an effort is made to remedy been determined for the first semester uated in a deep basin with imposing the difficulty. snow-covered mountains rising around it. The gayly colored costumes of the natives and the bright tints of the plastered houses give La Paz a picturesque interest to the foreigners. There is an English-American colony there, consisting largely of men in the employ of the big mining companies. The altitude is very high, but La Pax but 15 degrees south of the equator enjoys an equable climate. It was winter during Dr. Lincoln's stay there, and was comfortably cool.

Dr. Lincoln examined many of the old silver, tin and silver-copper mines in Bolivia and southern Peru, which have been unworked since the evavuation of the Spanish early in the 19th century. These ancient mines offer a good field for development, in the opinion of Professor Lincoln, for the increase in ocean freight rates is more than equalized by the high price of these metals. It is thought that with the expected drop in freight rates due to the keen competition with Japanese freighters that the development of these mines will be stimu-

Professor Lincoln has ammased a South American mining conditions which he expects to use in a series of articles for some of the technical jour-

A number of interesting and typical specimens of tin and copper ore tive rating in different classes of from Bolivia were also gathered and will be placed in the exhibits of the museum in the Mackay School of

One man emphasized the fact that the injustice of the comparison would either b yimplication or openly piccharacter and the other non-technical be apparent to most engineers and it tures success as the attainment of qualities mentioned have had consid- is largely due to the low rating of exalted position of great influence, or erable development before the young knowledge and technique or skill, of prominence in one's chosen calling man has begun to acquire technical headings five and six which sum up to or the acquisition of great wealth. knowledge and skill and he claims only 13 per cent for the first progress Now in spite of the much abused saythat the home and earlier school train- report and 25 per cent for the second ing: "there is always room at the ing have more to do with such de- progress report. I would account for top", we all know that while that may velopment than has a college train- the low rating given to knowledge and be true for a very few persons in any ing. This is perhaps true of chear-technique as follows: The engineers ordinary audience it is very far from acter and we can also see a great dif- who received and answered the circu- true for most of the people listening ference in the development of judg- lar letters were in the main, engi- to the great orator. In other words, ment and efficiency in different stu- neers of considerable experience. there is plenty of elbow room because ties will take time to mentally go back signing such work to their assistants tion by only one per cent of the astwo, three and four and much of one, mathematics" at the same time rapid- ought to be benefited by striving for ly developing in judgment and under- it.

PROBLEM OF GRADING IS FINALLY SETTLED

(Continued from Page Five.) unit under A had no more weight than one student hour-unit under B and the same is true of M and N. It 0.3 per cent. were failures and 0.5 per later augmented by other nourishcent. were conditions. Out of 354 ment and assailed the steep sides of grades G reported 12.7 per cent. fail- the hill bearing lime water and glue ures and 13.6 per cent. conditions which were turned in a glistening coat while out of a total of 605 grades H of whitewash for the big letter which 10.2 per cent. conditions. From an of a liberal application. inspection of this table a student The frosh are reported to be pecould determine with a fair degree of culiarly wrathy over the failure of a accuracy the probability of his attain- number of their colleagues to "show" ing a grade of 90 per cent. in the dif- and the epidemic of cleansing which ferent departments. Thus, less than has been sweeping over the campus 1 per cent. of the grades of G are during the past week may receive an above 90 per cent., while almost 87 added impetus with the result that dated, he obtained options upon prop- per cent. of the grades of B are above several babies will become acquainted 90 per cent. In which department through actual exploration with the will the student striving for honors, topography of the bottom of Orr ditch. via the route of high grades, elect work under the grading system common to many of our colleges and uni- port, thus affording sufficient data to versities? She need of an equaliza- justify one in formulating his conclu-

Approximately 9,700 grades were

efficiency. Many who have not reachhe would remain a subordinate. But been moved toward the lower grades. that practically every young engineer to a uniform system of grading. must pass through that stage before he can reach that place where platform orators are so wont to tell us there is plenty of room.

However the publication of these statistics and the discussions resulting are serving a good purpose in calling the attention of engineers and technical students and professors to the importance of developing in a broader way and more as other men great deal of material concerning develop instead of holding aloof and specializing to an extreme.

These general qualifications are of course important for many engineers filling subordinate positions but in extremely varying degrees as to rela-

One thing I deplore which seems to crop out in this connection is the prevalent idea of what constitutes success. Of course most people recogalready been brought out in discus- of knowledge and skill in that same nize different degrees of success, but the typical commencement orator try-Even with the above modification ing to spur the youth on to success, dents by the way they handle certain Many of them are either engaged in so few can attain such positions. High studies, but I think that if the suc- private practice or filling important aims are commendable in the abstract cessful engineer who has acquired the salaried positions so they have little but when those aims converge upward proper development of all these quali- of the detail technical work to do, as- to a degree that permits of realizaover his whole life with this tabula- or subordinates. A few years in such pirants, are the other 99 per cent tion in mind, he will be willing to ac- a situation usually causes a man to greatly benefitted? If the object or knowledge that the best time for forget much of his former technical station aimed at is of the right kind most of the development of qualities knowledge or become "rusty in his and is within reason, theoretically all

one, is after graduation from college. standing of m neand sometimes in (To be continued in next issue.)

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DEMOCRATIC NOMINEE

For Congress

Frosh Varnish Big Block N

Application of Whitewash

The big university block N laid out is also interesting to observe that out on the hill north of town was treated of a total of 418 grades reported by to its periodical coat of whitewash by A 6 per cent. were failures and 12 the freshmen last Sunday. The first per cent. were conditions, while out year men collected on Sunday mornof a total of 558 grades reported by B ing armed with lunches which were reported 15.2 per cent. failures and now glistens in the sun as the result

studied in the preparation of this resions. Correction factors have also of the current year on the basis of all grades-not alone of the passing grades but of all grades including both conditions and failures—and the ed such prominent positions and per- conclusions included in the above rehaps never will, recognize that the port have been fully justified. The possession of these qualities often deviations of the high markers are places a man in the line of promotion, greater than before and those of the when with merely technical knowledge low markers are not so extreme and and skill along with good character the maximum of the faculty curve has

such men should remember that in The committee believes that it has most cases where high positions are demonstrated the need of a just sysnot obtained through favoritism, the tem of grading and that a fair trial men who reach them have passed of the plan here suggested will at through the stage where technical once eliminate most of the inequaliknowledge and skill are much more ties in the treatment of students, and important qualifications than judg- in the course of two or three years ment and understanding of men. Also will result in a reasonable approach

-L. W. HARTMAN.

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"The attendance at the game with tickets distributed at the football the Indians Saturday was about the rally. Regarding the sale of season same as the attendance at the game last year as far as paid admissions "The efforts of the students to sell were concerned, but there was a very season tickets for the football games noticeable lack of attendance on the are evidently meeting with much suc- part of the student body. The boys cess and I believe that the 500 tickets were their and their yelling was good, will be sold in another week if the but there were only 18 girls in the audience. The team needs the sup-"Next Monday all unsold tickets port of the girls as well as the men

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