Vol. XX

UNIVERSITY OF NEVADA, RENO, NEVADA, NOVEMBER 19, 1912

Number 15

ARTEMISIA

First Apple Crop From State Farm

This fall the first crop of apples from the state farm was harvested. The orchard has been growing for & hearty co-operation to the Calisix years. The trees are of nine years growth, being two years old when * actions of the season of 1912 * they were set out. Prof. Kennedy toward the various Rugby Assoshipped some of the apples, along with a few from the Walts and Ferris orchards, as exhibits to the Rhode Island and New York Agricultural Colleges. Word from Rhode Island highly praises the quality of the ap-As yet no word has been received from New York.

One of the varieties, the Rome Beauty, is especially recommended by Prof. Kennedy to the apple growby Prof. Kennedy to the apple growers of Nevada, on account of its long blossoming period, it withstands the late frosts and therefore is a sure crop producer each season.

As an experiment, one acre of the orchard was dry farmed. The experiment showed that the quantity and quality of the apples on the acre that was dry farmed were just as good as those on the trees that were watered.

The professors in charge of the experiment farm never say much, but they are always working and experimenting. They are doing a great deal to advance twentieth century farming in Nevada.

Sigma Alpha to Phi Delta Tau

Alpha fraternity threw its house open to the boys of Phi Delta Tan, whom they royally entertained by means of a smoker. Games, songs and a sumptuous feast left the evening without a dull moment, and when the hour of 12 arrived the party broke up amid cheers and the song of "They Are indications. It is going to take place Jolyy Good Fellows.'

Among those who enjoyed the night before Thanksgiving. evening were Messrs. Beard, Krall Dondero, Van Dalsem, Axt, Bowen, the past couple of weeks planning Kniffen, Pflaging, Painter, Ferris, some new features for the party Hobbins, Abbott, Bowler Barton, C. Cazier, J. Cazier, Bringham, Duddleson, Golden, Healey, Hylton, H. Layman, O. Layman, Pearson, Pemell, Reynolds, Settlemeyer, Somers, Rose, Patterson and

Mackay School of Mines is on a trip the evening of the lower class dance. to Death Valley on business connected Survey and the Bureau of Soils.

Mineral Cafe

Popular Prices

Open All Night

Phone 68

Rear Hotel Golden Annex

RESOLUTION ADOPTED BY ASSOCIATED STUDENTS OF THE UNIVERSITY OF NEVADA

The Associated Students of * * the University of Nevada de- * sire to express our approval and * * fornia Rugby Union in their * Signed

Associated Students U. of N. W. H. SETTLEMEYER, President.

EUNICE A. CAGWIN, Sec. Passed unanimously, November 15, 1912.

* * * * * * * * * * * * * * *

the Pagent? You can get one for 25 cents, and you can't afford to miss this production. Under the leadership of Florence White, Lena Hauss, Marie de Flon, Myrtle Neasham and Clara Smith, the four sections of the Pageant and the Epilegue are ready for the public. Fifty University girls appear in various roles and all signs point to a very successful evening. Come and bring somebody to the Orvis Ring audi-Come and bring torium Friday, November 22nd.

On Saturday evening the Sigma Iunior Prom

14's Junor prom. is going to be a good one this year, according to the on November 27th, the Wednesday

Committees have been working for With Nell Morrow, Marie DeFlon and Dewer, Delahide, Poggy Percival on the decoration committee, there is liable to be something pretty classy sprung along that line, too. Bob Ostroff's orchestra, which made such a hit at the Sophomore hop, has been engaged to render the music. Bob is determined to Prof. George J. Young of the score even a greater hit than upon

The bids to the dance will have a with the work of the U. S. Geological little "admission" down in one corsurvey and the Bureau of Soils.

It "admission" down in one corner. The object of this is to raise money for the Artemisia. Remember. then, that a boost for the prom is a for the Artemisia, so come and help the good cause along.

SOCIAL DANCE

The last Social Dance of the Semester will be given next Saturday night. "Bobbie" has consented to furnish the music which assures all who come a good time. Admission will be 50c to all alike.

FAT OGDEN IN BODIE

C. M. Ogden, ex-'13, will go to Bodie, California, this week as operator in charge of the Pacific Elec tric Company's power plant. H. S. G. Hurlbut, an old friends of the University boys, is superintendent of the company, which supplies power to Wonder, Fairview and other mining camps.

Read every issue of the Sagebrush.

Nevada Team Leaves Friday

The University of Nevada Rugby team leves next Friday night for its last game of the season of 1912. The Santa Clara game is in many respects the most important of the season, on account of the rivalry which exists between the two colleges relative to January, 1911, the Mechanical Dealso assumes importance on account build a miniature locomotive. of the prominence which the Santa purpose of the undertaking, besides Clara ruggers have assumed in coast those of arousing a greater interest football this season. The University among the students and of offering claims for itself, not without founda- something extremely practical in tion, the championship of the coast. the way of laboratory work, was to will, therefore, win for our Rugby honor to the institution in the Nevada team added recognition from the Cal- building at the Panama-Pacific Expoifernia universities.

The Nevada team, however, goes to Have you bought your ticket for knee is still far from well. terms of the agreement. Mackay's condition is such that it is our city. doubtful that he will even be able to appear upon the sidelines.

> "BRYANT PASSED" University Nevada, Reno, Nevada. Bryant Passed.

Nov. 27th University in congratulating Bryant on his success.

> game which is to be played on the the subject in hand. St. Ignatius field, San Francisco, next Saturday afternoon.

First Student-"Fools often ask

Second Student-"Oh, yes, that's the reason I flunked.

Weekly

The News of the World in Motion Pictures

Grand Theatre

EVERY TUESDAY, WEDNES-DAY AND THURS-DAY

MECH. DEPARTMENTS MINIATURE LOCOMOTIVE

Will Be Complete in Every Detail and When Finished Will be Part of the Nevada Exhibit at the Panama-Pacific Exposition at San Francisco in 1915

By Al. Preston Early in the semester beginning The

The locomotive, which is now under California for this game badly handi- construction in the Mechanical build- the pistons. These have been sub-Y. W. Pageant capped. Bill Settlemeyer is just able ing, is to be one of the most com- jected to many changes in the course to resume practice, after being kept plete in the way of a miniature of locomotive evolution and there are out of the game by the leg injury re- which has ever been constructed. It now several forms in use. ceived in the St. Mary's game; the is usually the custom in building however, can be grouped into two Goat miniatures to neglect some of the classes: The "built-up" and the Curtin and Joe McDonald, are both more delicate parts of the mechan- "solid." The built-up form permits just barely able to play, on account ism. It is the intention of those in removal of the packing with the neof bad knees. Sheehy will not enter charge, however, to have this loco, cessity of removing the piston from the game, being eliminated by his motive a perfect working model, ex- the cylinder, where, however reducregistering late, according, to the actly one-eighth of the size of those tion of weight is of the first import-Captain which daily pull their trains through ance. The solid piston, made either

sition in 1915.

there are many rules to be kept conto be overcome. The very first thing necessary in the designing of a locomotive is to have everything subordinate to the boiler and cylinders. Nov. 14, 1912 these two the boiler is greatest in im-The above cable message is self portance, for on it depends the action explanatory. The official letter has of the engine. At the same time the not yet arrived. The Sagebrush joins designer is limited in the matter with the students and faculty of the of weights. Not only the boiler, but Floyd the cylinders, wheels, axles, machinery—each detail must have its own relative weights. In this matter of Enterprising Santa Clara have weight, too, it is impossible to lay sent to Graduate Manager Ross for down any hard and fast rules. The pictures of our coach, captain gradu- designer is frequently thrown upon ate manager and football squad, to be his own judgment and experience in used in the souvenir program of the the default of formulated data upon

With this understanding, the tention may now be turned to the determination of certain points connected with the boiler. 'The two most questions which wise men cannot important phases of this division of the engine are the heating surface and the greater area. For some time the empirical rule for the determination of the amount of heating. The pis surface was to make it, in square

merely as a rough guide as to what should be aimed at as a minimum. As has already been stated, it is the object of the designer to make the heating surface as large as possible This ratio is, therefore, exceeded whenever it is possible to do so and still keep within the limitation of weights.

The steam dome, that part of the engine which secures the dry steam for the cylinders should be limited to the actual size needed for standpipe and throttle valve. The idea that the dome can serve any useful purpose as a storage reservoir has long since been abandoned. It is merely a means of elevating the steam throttle above the water line, and thus the dry steam for the cylinders is secured.

Turning now to the firebox. The inside sheet should be made as thin as possible, so as to offer the minimum of resistance to the transmission of heat to the water beyond. The proper spacing of staybolts will, of

course, make it possible to use almost any thickness of sheet; hence the choice made must be rather the the four-years' contract. The game partment of this University began to result of experience than of any mathematical calculation.

Closely allied to the boiler, are the cylinders. As the boiler is the important factor in converting the potential energy of the fuel into that of steam, so the cylinders serve as the A Nevada victory or even a close score build a machine which would be an means of converting this potential into dynamic energy and thus produce the useful work for which the machine as a whole was designed.

Closely allied to the cylinders are of cast-iron or of steel casting, is In the construction of such a comusually made in one piece and is plicated machine as a locomotive, sprung into place.

Next in importance to the boiler stantly in mind and many difficulties in determining vthe efficiency of the locomotive as a whole, is the valve motion. Too much stress cannot be put upon the value of a proper design for this element in the machine. The Stephenson link motion, which is the one prevalently used in American locomotives, possesses the peculiarity of being exceedingly sen sitive to the adjustment of all its parts in order that a correct action and a proper distribution of the steam may be obtained. Although haphazzard designs will do the work after a fashion and make the wheels go around.

> Although the frames are the foundations upon which the locomotive is constructed, they are not the first thing to be taken into consideration in the designing of the machine. As a support they can be varied in form suit the requirements of the beiler, machinery and other parts and se only take on their final shape when these other parts have been

The piston rods and piston are at single cylinder, in cubic feet.

This reult, however, is only approximately followed and is regarder merchy as a rough of the machinery must now be considered. Starting with the outer connection of the piston rod, the the origin of the motion of the ma-

Varsity Souvenirs R.H.S. Souvenirs

We have a new line of

REAL RENO SOUVENIRS

Frames for your photos in many sizes and finishes that are a

POSITIVE DELIGHT

to the eye. Come in and we will show you.

Porteous Decorative Co. Virginia St., next to Washoe Co. Bank

Day and Night Service

Phone

PHIL JACOBS

MEN'S CLOTHING AND **FURNISHINGS**

Commercial Row, Reno, Nev.

Phoenix Barber Shop UNDER NIXON BANK

Try us for Pompadour or Brush Back. We guarantee our

F. H. HARTUNG, Proprietor

Manheim's Candies

Made in Reno The Best on the Market

C. H. Karns

Colorado Billiard Parlors 212 N. VIRGINIA ST.

Over Cotton-Turner Cigar Store Most up-to-date parlors in the State.

Just received a full line of Spring and Summer Shirts, Military and low collars. Smoker's Articles

THOS. H. CURNOW 223 Virginia St. Reno, Nev.

S J. HODGKINSON

DRUGS, TOILET ARTICLES

Try us ONCE TAYLOR'S BARBER SHOP

29 E. Second Street

Special Attention to College Men

CHAS. STEVER

PIERCE, RAMBLER AND TRI-BUNE BICYCLES

Agent for Spalding Sporting Goods

Phone 644

233 Sierra St.

AT YOUR SERVICE

With Choice Lines of Well Selected Merchandise.

The Only Dry Goods House on Sierra St., No. 239

SOL LEVY

The Palace Bakery ICE CREAM, ICES, CONFEC-

TIONS OF ALL KINDS

Phone 677

E. L. BACON,

DR. G. C. STEINMILLER

- DENTIST

Phone 870

Masonic Temple

The J. R. Bradley Company

WE BELIEVE IN HELPING

A GOOD THING ALONG

WE CAN HELP YOU ALONG WITH THE BEST AND FRESHEST GROCERIES THAT ARE OBTAINABLE AT ANY PRICE.

We cater to students parties that need our good

THE J. R. BRADLEY Groceries, Hardware and Supplies of All Kinds

AL. C. BANNISTER, Mgr.

BICYCLES, SUNDRIES, REPAIRING

Agent for

Iver Johnson-Reading Standard -- Yale -- Princeton --National and Nevada Bicycles

GOLDEN EAGLE HOTEL BLDG.

323 Sierra St,

RENO, NEV.

John & James Block

Cleaning, Pressing and Repairing

Suits Made to Order

348 N. Virginia St., RENO

Freshies Hold "Pep" Meeting

Last Friday evening the Freshmen held a meeting in the gym. Those of the class who were not present at that meeting, missel the "peppiest" meeting that the Freshmen have had this semester. Matters that had been 'hanging fire" were taken up and threashed out. Everyone present had something to say, and they spit it out. To inspire the fellows an impromptu political rally was pulled off before the meeting was called to order. The chairman of the rally had several popular speakers to introduce, and he certainly presented them to the audience with dramatic effect and large words. We shall not mention any names, but would like to mention a few things about the speeches. The Lovelock representative was there with a flery oration. He brought forth much ap-The "Millionaire's Baby" followed with many large words and complicated sentences. The speech floored the audience, however, and the "Monied Interest" took his seat amid a thunderous applause. Many good speeches followed. Last of all the democratic-socialist was heard from. During his speech you could have heard a pin drop. Every man at that meeting will remember what he said. He woke the fellows up to real business. The regular meeting that followed was an outgrowth from this gentleman's speech. There is no use in saying what we did, but the results will surely be noticed. We want to see every Freshman at next meeting, which will be held in the near future. Come all of you, ve need you, and if you are a true Freshman, you need us.

Girls and Boys Assembly Friday

Next Friday at 11 o'clock, the students and friends of the University will have a chance to hear the Glee Club. The club has been rehearsing regularly and diligently since the eginning of the semester and now its members are aching for a chance to show the public what they can do.

The girls of the college, however, have not been outdone by the fellows. There is now a co-eds' singing club on the hill. This club, although recently organized, has offered its serv ices to the Glee Club to help make the next assembly an enjoyable one. The Girls' Singing Club will render one number and will help out in a mixed chorus. This will be the first appearance of the girls this year, and their efforts will doubtless be appreciated. So far the members of the club are very much encouraged with the progress they have made and, according to all indications, there will be a musical organization on hill which will rival even the Glee Club in popularity.

MILITARY SCHEDULE November 15, 1912. Memorandum No. 15-

The following scedule of drills for the week commencing Monday, November 18, is hereby announced:

Monday, November 18-Both companies, practical instruction in guard duty. Each company will act as a guard; officers and non-commissioned officers look up the duties of the various members of the guard, posting and relieving sentinels, general duties of a sentinel, etc.

Tuesday, November 19—Guard mount, with band. "A" company will act as old guard; "B" company as new guard.

Wednesday, November 20-Parade and review; battalion drill.

Thursday, November 21-Battalion. Butt's Rifle drill, with band. By order of the

COMMANDANT OF CADETS.

Reno Meat Co.

Wholesale and Retail Butchers

36 W. Commercial Row

Phone 341

"A Market of Quality"

Washoe County Bank

RENO, NEVADA

FORTY YEARS IN BUSINESS

TWO AND ONE-HALF MILLION DOLLARS IN RESOURCES

United States Depository City and County Depository

We offer to conservative people a complete financial service of the highest character. You are cordially invited to call on us or write to us at any time. Our officers will give your business personal attention.

Riverside Hotel

Elegant in all its Appointments. Rooms single or en suite. Free bus to and from all trains

H. J. GOSSE, Manager

RENO.

NEVADA

Troy Laundry Co.

A discount of 25 per cent from regular prices is granted University patrons, together with 10 per cent gross receipts to U. N. Athletic Fund. Prompt delivery. High class work.

C. HAMILTON

University Agent

You Are Not Going Blind

If our services and advice can in any way ameliorate the condition of your eyes, which is perhaps bordering on failing vision. Our failures in fitting difficult cases are very few. Your case, although simple and easily corrected today, may be very much aggravated

Profit By the Mistakes of Others DO NOT PUT IT OFF

We grind our own lenses. Match any broken lens within the hour.

The Nevada Optical Co. N. A. BROWN, Mgr. and Prop.

at your command to develop your education

THE PROPER HANDLING OF A BANK ACCOUNT

is an education in itself. Students accounts, no matter how small,

Farmers' and Merchants' National Bank of Reno

where any question tending to increase your knowledge of banking methods will be cheerfully answered.



Snappy Autumn Clothes for you College Chaps

You college students always to the fore in the ranks of the well-dressed, have you seen these fall styles at The Big Store

If not, you've missed something. Classy suits with all the season's attractive styles. Drop in and let us show them to you, fellows.

The smartest line of furnishings for college men in the city.

Gray Reid Wright. Co

Hotel Golden

College Rates

CHILI AND ALL SHORT ORDERS

PHONE 49

·Mocha Restaurant

GANNON & FAULKMAN

229 North Center Street

RENO, NEVADA

The Marymont's Jewelry Store

Successors to Frank Golden & Sons, Inc.

Special Attention Given to College, Club and Fraternity Emblems.

2d and Virginia Sts.

Phone 653

RENO, NEV.

Studies made Easy by the Proper Correction of your vision. Eyeglasses and spectacles at reasonable rates. THOROUGH SCIENTIFIC EXAMINATION FREE AT HERZ & BRO. the Jewelers.

Dr. John B. Koch

the Registered Optometrist and Optician. Lenses correctly duplicated at short notice.

Artemisia By Class '14

The Junior class wants to bring to the attention of the University, once again, the fact that an Artemesia is going to be published. We want every student and professor to grasp the following names and facts firmly, in order that they may know who's who and why with respect to the publishing of our year book.

The publishing, editing and financing of the book has been placed in the hands of a board of six, namely: Harvey McPhail, editor-in-chief? Nell Morrow, Clark Webster and Delwyn Dessar, as assistant editors; with Sol. Cazier and Lester Harriman as business managers. This board has already systematized the work before them, with the result that the size, the departments, the cuts and the headings have already been decided upon. The book will be decicated to Clarence H. Mackay.

It is the board's earnest desire to run all the cuts possible, and in this scheme we want the co-operation of every society and organization on the hill. Owing to the financial difficulties of publishing this book, a cost price of ten dollars will have to be charged each club for a full page cut. We trust this price will be so nominal that every club will be able to support us.

The two great problems now confronting the board are the artistic work and the josh department. Both these features are based fundamentally on originality and therefore we again appeal for the support of the school. A box will shortly be placed in Morrill Hall in order that your willingness to present drawings and joshes may be facilitated. Keep one eye on the lookout for that box.

In conclusion, the board wishes to state that this new enterprise, which is now being launched by the Junior class, will raise the standard of the college, advertise the University and mark a new epoch in the renewal of that lost art among students known as the ability to show "Pep."

ARTEMESIA BOARD.

Campus Honored By New Frat

Phi Delta Tau Latest Pin at University of Nevada

Th need of another fraternity on the hill, has been realized for a long time by many people, but nothing of permanence had been accomplished until last year, when several members of the 1915 class met for the purpose of discussing the formation of a new fraternity. From that time on, frequent meetings took place, not only during the remainder of the semester, but throughout the summer. As a result the fraternity of Phi Delta Tau has been organized, and has this semester made its debut upon the campus. The membership is as follows:

lows:
Class of 1915—Alberto Axt, Nick
Dondere, Lheman Ferris, J. Leslie
Kniffen, Edwin W. Krall, Waterfield
Painter, Adelbert Pflaging.

Class of 1916—George K. Beard, Logan H. Bowen, Thomas R. Hobbins, L. Irving, Van Dalsem.

DIFFERENT WAYS OF ADDRESS-ING A TEACHER

Fresh—"Please, sir, I didn't understand what you said."

Soph—"I didn't quite understand." Junior—"What d'you say?" Senior—"Huh."

FRANK CAMPBELL Groceries, Fruit and Vegetables

Candy, Nuts, Etc.
Cor. Virginia and Fourth Sts.
RENO, NEVADA

RENO MERCANTILE
COMPANY
Hardware
and Groceries

DR. C. E. RHODES
DENTIST

Rooms 8-9, Thoma-Bigelow Bldg. Phone 427

Materials for Holiday Work

Booklets for Illumination.

Trufant Mottoes.

Bradley Mottoes.

Brown's Famous Pictures.

Mounting Boards.

Tinted Paper.

Nineteen Thirteen Calendar Pads.

Bradley's "Standard" Water Colors.

Send for Circulars and Samples

Milton Bradley Co.

575 Market Street San Francisco Ca

BREEZY!

Mate: "Who has the dog watch?" Cabin Boy (Saucily): "Probably the owner of the barque."

r

T. R. CHEATHAM DRUGGIST

Drugs, Toilet Goods, Stationery 148 Virginia St. Reno, Nev.

The "Crusher"

For College Wear

Burns' Millinery

PHONE 30

NEVADA TRANSFER CO.

WE HAUL ANYTHING

Prompt Service. Reasonable

Scheeline Banking & Trust Co.
RENO, NEVADA

Does a general banking and Trust Company business. Exchange bought and sold on all parts of the world. Interest paid on deposits. Agent for the leading fire insurance companies. Safe deposit vaults for rent. Stocks and bonds bought and sold on commission.

RIVERSIDE MILL COMPANY

Gold Medal

aı

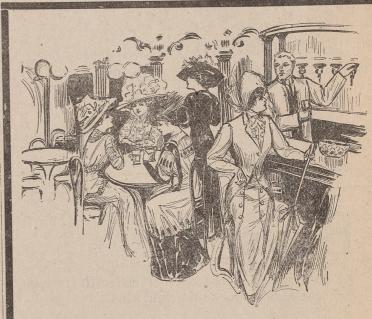
Flour

Nevada Products

Gold Medal

Sodas

RENO, NEV.



"The Best Lunch" for Parties—(Get our Prices)
"The Best Oyster and Crab Cocktails and Hot
Drinks" "The Best Candies." In fact everything is
just a little better than the best.

The Bonboniere

21 WEST SECOND STREET FONE 285

"Try our Chile Con Carne"

The U. of N. Sagebrush

Published Four Tuesdays of Each College Month During the College Year

Entered as Second Class Matter at the Reno Postoffice, According to Act of Congress



EDITORIAL STAFF

ROB'T. P. FARRER, '14Editor i	n Chief
EUNICE A. CAGWIN, '13 Assistant	Talitan
FRANCES SMITH, '15	Editor
TOM WALKER, 15	Tollar
RALPH BEEMAN, '16	Editor
Assistant	Editor

MANAGEMENT

JOE McDONALD, '15. JAS. CURTIN, '16. Business Assistant Circulation	Managor
	Manager

SUBSCRIPTION RATES

ONE TEAR (NO Single Copies Sold)	21 00
TWO SUBSCRIPTIONS TO ANY ONE PERSON.	\$1.00
TWO SUBSCRIPTIONS TO ANY ONE PERSON	\$1 50
	41.00

Advertising Rates will be Furnished Upon Application to Manager

VOL. XX

RENO, NEV., NOVEMBER 19, 1912

EDITORIAL

TOO MUCH CRITICISM

taken the occasion to thrust one at Students the thanks are due. our Glee Club Quartette.

It was a week ago last Sunday night cal critic of our city, also a singer. pearance expected to be a criterion work so far we have prided ourselves some time we may do as much for on a clear rendition of the words, and to take a rap at our pride not only hurts but injures our sense of the

If space would permit a very readable account could be given of the solo that followed. Suffice it to say that on the strength of that solo we are lead to consider the criticism as the poor work of a false critic.

THE COLLEGE IS GRATEFUL

In this issue we wish to express our gratitude to the Reno Commercial Club for two acts of theirs, directed toward the welfare of this University,

and which seem to us typical of the Much interest was manifested this work this progressive organization last week in an article that the Ga- has the reputation for accomplishing. zette presented as a treatise on "How to Sing." Probably no one would have given it more than a casual reading, many none at all, if it hadn't for the other, from the Associated

The first of these acts was the gift, that the Quartette appeared at the Methodist Church. In back of them, as they sang, sat the foremost musical critic of our city, also a singer. School of Mines. The other is that The rendition was not the best that courtesy which the club so generously our boys have given. Is a first ap- extended toward our visitors, the Waratans. For their kindness in of best work? A careless observer these two occasions every member of could easily have picked out faults the Commercial club of Reno may that were vital. The criticism, however, that accused poor annunciation students of the University of Nevada was entirely ungrounded. In all our are truly grateful. We trust that

> Subscribe for the Sagebrush-the biggest college paper in the West.

A Hit with the Miss-Our Extra Fine HOT CHOCOLATE

DALTON, CLIFFORD & WILSON CO. Opposite Post Office

Southern Pacific Company and what it does

The Southern Pacific is glad to assist the Faculty and Students of the Nevada State University; also, teachers and students of the Public Schools. It gladly grants half-rates to all of the above from or to any point in Nevada when applied for by the President of the University, or the Superintendent of Public Instruction.

The Southern Pacific Railway is one of the best constructed and equipped railroads in the world. It has ninety pound steel rail, is stone ballasted, has steel bridges and electric block signals that protect every train for two miles in both directions. There has not been a passenger killed by the Southern Pacific Company for four years. This means that during that time 157,000,000 passengers were safely carried to their destinations on its lines. This is a record unequalled by any other railroad. \$6,000,000.00 have been expended within the past five years in installing Automatic Block Signals. Every mile of the Southern-Union Pacific Systems to Omaha, San Francisco, Los Angeles and Portland is now protected.

The same company is paying out monthly in Nevada millions of dollars in wages. Sparks pay-roll alone, the greater part of which money drifts to Reno, amounts to over \$100,000.00 per month. The Southern Pacific Company pays taxes in Nevada to the amount of thirteen hundred dollars per day, every day in the year. This includes Sundays and holidays.

The company grants to Clergymen reduced rates. They daily assist by charity rates, indigent, aged or helpless cases.

When this road was built from Reno, Nevada, to Corrinne, Utah, there were but seven white settlers found. more now. They produce cattle, sheep and crops. The Southern Pacific gives them a reliable line and helpful rates to market on everything they produce.

The Southern Pacific Company spent \$80,000.00 in advertising Nevada during 1910; \$85,000.00 during 1911. It is spending much this year in Germany, England, and in every foreign country, asking people to come to Nevada. All other interests combined within the state have not expended so much money for advertising Nevada as has the Southern Pacific.

We solicit the business and good will of the people of Nevada for the Southern-Union Pacific Companies.

J. M. FULTON,

Asst. Gen. Freight and Passenger Agt.

Phone-Franklin 3070

GRAND HOTEL

SAN FRANCISCO, TAYLOR, NEAR MARKET

CHAS. J. SADLEIR, Prop.

Headquarters for Nevada People

GRAND IN EVERY DETAIL

250 rooms furnished in mahogany. 100 Rooms with private baths. Rates from \$1.00 to \$3.00 a day. Free bus from all trains and steamers. Any Market street car.

FYOU will use tobacco, use it moderately. If you I smoke segars, smoke the mild kind.

Our Flor-de Baltimore

Is a rich, light, mild high-flavored segar. The burn is perfect; it smokes free and even, and for 10c a better segar cannot be made.

Our stock is complete in every department of the Segar and Tobacco Business.

We solicit your business.

COTTON-TURNER CIGAR CO.

Phone 1160

210 N. Virginia St., RENO, NEV.

CALL ON DAD

37 E. Second, Next to Grand Cafe

Fresh home-made candies every day. All kinds of hot drinks. Come and get your holiday orders.

J. P. CONWAY & SON

For Room Decoration—

Pillsbury Pictures

Works of Art and Inexpensive

Mott Stationery Co.

Reno Stationery Store ARMANKO & GRAHAM

School Supplies, Stationery, Books, Cigars

N. Virginia St.

Reno, Nev.

Coffin & Larcombe

For First Class Groceries, Fruits and Vegetables

307 Sierra St.

Reno, Nev.

RENO PRINTING CO.

Dance Programs Invitations Pencils and Cards **Engraved Cards**

41 E. 2d St. Phone 689

BELLE ISLE

On Wednesday evening a social dance will be given in the Belle Isle pavilion. Great novelty prize plank waltz. Lots of fun and a good prize for the winning couple every Wednesday.

Dancing Taught

In Four Private Lessons, by Appointment Lessons Given by Miss Gellert. Belle Isle Dancing Pavilion

Heald's Business College

RENO

Day and evening session throughout the year.

Complete courses in Bookkeeping, Shorthand, Typewriting, Penmanship, English, etc. Phone, write or call for in-

formation concerning tuition, Phone 1020

J. W. BUTCHER, Manager

At The "Prom

You will preserve the permanency of your social position and insure constant recognition as a correct dresser if your dress clothes are made by tailors who understand your requirements.

> As the only merchant tailors maintaining a separate shop of experts

whose entire time is devoted to meeting these exacting demands, we are able to deliver faultless style and fit and absolute satisfaction in workmanship and quality, at an exceptionally low price. Make your requirements known to our local dealer,

SUNDERLAND'S Inc.

"The Store Where Quality Counts" RENO, NEVADA VIRGINIA STREET who will show you our dress woolens and send us your correct measure.

Largest tailors in the world of GOOD made-to-order clothes Chicago, U. S. A. Price Building



To the students

We have the finest assortment of Pipes in Nevada, also Cigarette Holders, Cases, etc. We have the only Pipe Hospital in Nevada. Doctors and Nurse in attendance.

Have you ever smoked the famous "Salambo" cigarettes? We carry them in all sizes. Specials, 15c and 25c. Perfumed, Ladies' Gold Tip, 25c. Club House, 25c.

JUST ARRIVED

A complete line of pipes, cigarette and cigar holders, ciragette cases, cigars, cigarettes, college mixtures. "Fine pipe repairing."

Valentine cigars, always good. Gunther's fine confections, always good

LACHMAN & MAYER "THE SMOKERY"

American and European plan. Special rates to students. Head-quarters for football teams.

THE **McKISSICK**

Reay Mackay

Single rooms and suites with baths. Steam heat throughout. Hot and cold water in every room. One block from depot; free bus meets all trains. Reno, Nev. Phone 148.

Read the Sagebrush for all the college doings.

Nevada Planing Mills Company

All Kinds of BUILDING AND HOUSE FIN-ISHING MATERIAL, FRUIT AND PACKING BOXES DOORS, WINDOWS Office: Rooms 7 and 8 Ryland and Levy Building Tel. Main 464 P. O. Box 150 RENO, NEVADA

AGRICULTURE FEATURED BY TEACHERS' INSTITUTE tions.

just closed at Yerington has been was taken by Mrs. White, principal one of exceptional interest. The peo- of the grammar school. Special menple of that thriving center are thoroughly up to date and the school life "Killarney," by Mrs. H. H. Howe, and spirit in a most thorough manner. Prof. E. E. Winfrey, district superin-The beautiful and commodious gram- tendent. Miss Day, of the University mar school, the high school, soon to College of Education, gave a most be succeeded by one even better, and interesting series of hints and helps the general air of life and energy to the teachers present, aids which show the visitors that he is in a lo- were felt to be of value to all. cality that wants the best and intends E. A. Howes, of the University of to have it. There is the Yerington Nevada, gave an evening address on pennon, the Yerington school yell, the subject of Argiculture in the and the Yerington school candy to Schools. State Superintendent J. E. convince him if he doubt.

pride of the pioneer, in that it boasts sions on cultural subjects, but also the first and as yet the only agricul- in the consideration of the place of tural high school in Nevada. In this school, the forerunner of many such, the boys are taught the principles of modern and scientific agriculture and who, in a quiet, efficient way, is doing on the school ground and the pupils' so much the keep the work of his homes it is the intention to put some district up to a high standard. Both of these principles into practice. The that state and district superintendwork is past the experimental stage ents feel much encouraged by the in many states and the people of spirit shown by the teachers, child-Yerington feel that what has been ren and friends at Yerington. aone well in other places may be done even better in Nevada.

The regular routine of the Teachers' Institute was varied somewhat, in that agriculture occupied a leading part in many discussions. Moreover, the usual program was interspersed with songs by the children, folk dancing by the children and by from a business trip to Eureka.

others, solos, and instrumental selec-Addresses were given by Principal Bartlett and Mr. Jones of The Teachers' Institute that has the high school and a leading part tion might be made of the singing of exemplifies this progressive a trip through Ireland, rescribed by Bray was present throughout and took The town of Yerington feels the a leading part, not only in the discusgriculture in the school life. Much credit for the success of the meetings must be given to Professor Winfrey,

Y. W. C. A.

The Y. W. C. A. will meet as usual on Wednesday, November 20th, in the Association room in Stewart Hall.

Miles B. Kennedy returned Friday







WORTH \$10.50 to \$12.50

Imperial\$3 Hats

You don't have to worry over the hat question. You don't have to take a hat that' not becoming to you. The many styles in

IMPERIAL \$3.00 HATS

Make your selection sure—and your happiness complete . Rough Mixtures, Derbys, Smooth Finish. All the One Price.

Tranter & Staley THE ONE PRICE STORE

Outfitters to Men and Boys VIRGINIA AND SECOND STS.

READ THE SAGEBRUSH Subscribe for the Sagebrush—the biggest college paper in the West.

WITH THE STATE HIGH SCHO

Winnemucca

Last Friday Dr. P. J. Mangan gave the High School a lecture on Oral three votes. Two votes for one party structure of the teeth and the strong state. particular and the mouth in general. He also exhibited under a microscope 484 electoral votes for Wilson. slides of bacteria, a sample of the Next Friday a literary club will be necessity of cleanliness of the teeth in organized which will arrange promucous of one of the students pres- grams at different times during the ent, a drop of blood, hair, dust col- year. lected from a windowsill and a flea. be to instruct the students in parlia-

thoroughly and delivered his address lic speaking. in a manner that left no doubt of fact in the minds of the

Winnemucca High school, which was ganize some time in the near future. just inaugurated at the beginning of Although there is but one player the present semester, will compare from last year's team. The expect to favorably with any commercial school make a fight for the state championin the state. Under the direction of ship. The girls organized their team Miss Luella Armitago, recently of some time ago. Attempts have been Berkeley, California, the commercial made in former years to have a team, students are making excellent pro- but there was not the required numgress in their work. The Gregg sys- ber of girls who could give their time tem of shorthand is taught, and the to athletics. This year they have good latest models of both the Remington material for a team, and expect to

Douglas County High School

On Friday November 1st, the students of the Douglas County High School held a presidential election. This was done to impress upon them features, proved attractive for the the manner in which our Presidents students are chosen by electoral vote. The School, despite the fact that sessions

democrats and did her party justice in a well-planned argument for Wil-High School son and democracy. Arendt Jensen spoke for the republicans, and presented several of that party's strong arguments. An electoral vote was taken, by states, each state having The doctor explained the decided the electoral vote of each

The school showed a majority of

The chief aim of this club will Dr. Mangan understood his subject mentary law and give practice in pub-

Athletics

Both boys and girls are taking a The Commercial Department of the boys have begun playing and will or-

and Underwood typewriters are in make a showing, with Lenora Jessen as captain and Hazel Fowler as busi-

Goldfield High Doing Things

Election day, with its customary of the Goldfield High previous week parties had been or- were held throughout the city. In ganized and speakers elected. Anna the different schools a vote was taken

Get Wise and Phone 1097—

LET US DO YOUR CLEANING

Washoe County Cleaners

Monthly Contracts—4 Suits and 4 Pair of Pants Sponged and Pressed \$2.00

Work Called for and Delivered. All kinds of Alterations Done.

Works: 110 Front St. 100 N. Center St., Opp. City Hall

Thanksgiving Will Soon be Here

Prices to Be Thankful For On Dresses

At this season the dressmakers are very busy, and it is hardly possible you could have a dress made for Thanksgiving, so doubtless you will appreciate a sale of fine dresses at this particular time,

THIRTY DRESSES, no two alike, in all wool serges, granite cloths, velveteens, and two tone corduroys in all the prevailing shades; all nicely made and with the best trimmings—the cheapest dress was marked \$15.00, and the best, \$30.00—with no charge for alteration, the prices are now.

\$9.95 to \$18.75

Prices to Be Thankful For on Petticoats

Messaline Petticoats in black, pink, brown, tan, purple, gray and navy, the latest cut and trimmed with pure silk shoe string fringe.

\$4.00 PETTICOATS \$2.98



for the different candidates and the following results were shown in the electors: Wilson, 39; Roosevelt, 16; Debs, 11; Taft, 7

Athletics

One of the main topics among the the girls' basketball team. The degames has aroused interest among the M. C. A. young ladies. The squad is practicing under the direction of Coach Sullivan, and although the material is not of the best, the outlook is a fair one. Games have been arranged with Yerington, Tonopah and

The boys will have two teams in the city league, and their games will be held, as usual, under the auspices of the school coach. One of the fives keen interest in bastketball. The forwards; Henley, center; Goodrich will have Captain Alan and McCall, and McLaughlin, backs. The other will have Teer and Truman in at forward, Huntley at center and the Morrison brothers as backs. The league will open about Thanksgiving, with four teams and games will be played Saturday nights in the school gymnasuim.

The school will have one varsity quint as usual and the team will have the same personnel as last winter. The management has games pending with Las Vegas and Tonopah for the pictures are to be used in its storie

the state. It is also anxious to arrange games with some of the school about Reno .Critics say that the orange and black has the best team in its history. The seniors won out in the gym tournament, in which all the classes and the eighth grade partici-High School for the presidential pated. Teer of the juniors and Hunt of the seniors were the high scorers

The organization of a Boys' Club in Goldfield is receiving the endorsement of the student body. The idea is to student body at the present time is provide social rooms where good reading and games may be enjoyed, cision to have a team and outside something after the idea of the Y

The senior class is planning for the annual play, which will be given next month. Something good is promised.

The fortunes of Jim Curtin and Bourke Healey as gridiron knights or the University team are being followed with much interest in Goldfield.

It is not expected that the teachers or Goldfield will attend the state institute which is to be held at Winnemucca next month. No definite action has been taken by the board of education, but some announcement is anticipated after the meeting of the board Monday evening.

Indoor baseball is becoming quite popular among the boys of the High school and grades. The spacious gym permits a lively exhibtion to be had without any great handicaps.

The San Francisco Call has asked for pictures of the members of the Nevada team, and a couple of action championship of the southern part of of the Nevada-Santa Clara game.



"For the Foot, the Eye and the Purse"

Walk-Over Shoes

LETT

Expert Repairing



"Fellow Smokers:

GARETI

NBOLLMAN

10 for 10c

Made with Mouthpieces

Pennant coupon in every

"Some men roll their own cigarettes-not so

much from preference as from custom. They have seen their friends converted to Imperiales but have put

off adopting the modern mouthpiece cigarette. "I have a message for these men:

"Imperiales are a better smoke—a high-grade rich, fragrant blend.

The mouthpiece cools the smoke and gives you the full aroma and taste of the tobacco. You can't get this through a moistened stub.

"Imperiales mean no stained fingers-no 'loose' tobacco in your pockets—over the carpet—on the table cloth. You leave no 'trail' behind you with Imperiales.

"So I say buy a pack of Imperiales—smoke this modern cigarette.

Fourth Street Dept. Store

A Successful Concern

Does not say much. Their success is the best evidence of public apprecia-tion. Merely talking of low prices and exceptional bargains does not satisfy buyers.

The doing of it is the thing that brings and holds trade. Our success is the result of our honorable, consistent, business methods. . These are epitomized in the few words

HONEST GOODS HONEST PRICES

FAIR TREATMENT LARGE STOCK FOURTH STREET DEPT. STORE The Great Big Store, corner of Fourth and Virginia Streets

Telephone 453

Nevada Engineering Works

Manufacturers of

MINING AND SPECIAL MACHINERY IRON AND BRASS FOUNDERS

Dealers in Engineering Equipment and Supplies

RENO, NEVADA

Bools & Butler, Inc.

HARNESS AND SADDLES



228 Center Street

RENO, NEVADA

THE NIXON NATIONAL BANK

RENO, NEVADA

United States Government Depository

Cash Capital \$1,000,000

With Which is Affiliated

THE BANK OF NEVADA SAVINGS & TRUST CO.

We are prepared to transact all branches of banking. are solicited from banks, bankers, firms, corporations and individuals, who may rely upon courteous consideration and the very best terms that are consistent with good business methods.

Flanigan Warehouse Wholesalers

Harness and Vehicles A Specialty

RENO,

NEVADA

THE MONROE HOUSE

752 N. Center Street PHONE 359

ROOMS

MRS. HERMAN DAVIS, Prop.

Patronize Your Home Jeweler for College and Fraternity

Original Designs Furnished Free

R. Herz & Bro., Inc.

Dr. Robert H. Kane & Co. DENTAL SURGEONS

All Work Guaranteed Painless Work—Eastern Prices Phone 1724 17 E. Second St.

Reno High School Dept. F

B. A. A. Meeting

On Tuesday evening after school, the members of the Boys' Athletic Association met and had a very interesting meeting. The report of the treasurer showed that the association had money ahead, to start basketball with. The following men are to receiver football R's at the first meeting in the new Central school: R. Laveaga, captain; Beers, Young, Burke, Chism, Bryant, J. Martin, L. Brown, Downs, Gilson, Glass, F. Martin, B. Laveaga, Cameron, Harriman, Caffery, Layman, Maney and Fogle.

Hugh Raines Next Captain

After the B. A. A. meeting, the cootball team gathered and elected Hugh Raines as the one to lead the Red and Blue team next year. Raines will undoubtedly make a good leader. He played with the High School last year but was kept out of the game this season on account of a bad knee. Raines will be a senior next year.

Basketball Starts On Thorsday evening the candidates for the High School basketball team started practice, and from the showing made at the first practice, a good team will be had. Mr. Wellman Bruner of the High School will coach the team, and expects to turn out a team that will give any team in the state a run for the championship. The team this year will be composed of a bunch that will work together and this means a whole lot. Among the candidates are: Maxon. McCarthy, Chism, Burke, Scott, Douns, Harriman, Bryant, B. Laveaga, R. Laveaga, Raines, Cameron, Melarky, Mack and many others.

School Notes The Seniors held a short meeting Monday, after school, trying to settle on a class pin, but somehow they agreed to disagree, and the meeting ended with no results shown.

Many High School students enjoyed a most pleasant evening at the Mount Rose school Friday evening at the masquerade

At the present time the contestants in the bowling tournament are tie. Mr. Bruner and Mr. Lyons, came up to the champion, but could not surpass his great work.

R. LAVEAGA, '13.

PROF. TRUE IN EAST

Prof. Gordon H. True, the wellknown chief of the College of Agriculture, is making an important business visit in the east. For several days past the professor has been in Washington, D. C., where he has been in conference with Dr. A. C. True, director of the office of experiment stations, in regard to the Adams fund projects in the Nevada experiment station.

Prof. True left Washington Monday for Atlanta, Georgia, where he will be in attendance as Nevada's representative at the Convention of American Agricultural Colleges and Experiment Stations.

MEN'S BASKETBALL

Graduate Manager Ross is negotiating games in men's basketball to take place early in the next semester. The following teams will probably appear in the schedule, which will be announced in a few weeks: Sacramento Athletic Club, St. Ignatius College, University of California and Santa Clara. The last mentioned game will probably be played near the last of February this year, and will be preceded by the others. In addition to these there will be several practice games with the Y. M. C. A. and other local organizations.

Elrod-"When I die I want to have graven on my tombstone, 'There is peace in heaven.'"

James-"Hadn't you better have 'There was peace in graven, heaven?"



Rough Necks Frat Men

Holdovers

Studes Grads Specials

> Profs Seniors Juniors Sophs Freshies

TAILORING

with CLASS for ALL CLASSES

LAVOIE

Ladies', Men's TAILOR

See

4th and Peavine RENO, NEVADA

RIVERSIDE STUDIO

Fine Portraits. Groupings a Specialty

F. P. DANN, Propr.

Second and Virginia

POPULAR MECHANICS

Magazine that makes Fact more fascinating Fiction

WRITTEN SO YOU CAN A GREAT Continued Story of the World's Progress which you may begin reading at any time, and which will hold your interest forever, is running in

Popular Mechanics Magazine

Are you reading it? Two millions of your neighbors are, and it is the favorite magazine in thousands of the best American homes. It appeals to all classes—old and young—men and women—those who know and those who and women—those who know and those who
want to know.
250 PAGES EACH MONTH
200 ARTICLES OF GENERAL INTEREST

200 ARTICLES OF CENERAL INTEREST
The "Shop Notes" Department (20 pages)
gives easy ways to do things—how to make
useful articles for home and shop, repairs, etc.
"Amateur Mechanics" (10 pages) tells how
to make Mission furniture, wireless outfits, boats,
engines, magic, and all the things a boy loves,
\$1.50 PER YEAR. SINGLE COPIES 15 CENTS
Ask your Newsdealer to show you one or

WRITE FOR FREE SAMPLE COPY TODAY POPULAR MECHANICS CO.

Fischer Is Always Doing It

Selling Flowers

20 W. 2d St.

Fone 38

FURNITURE

CARPETS

Curtains

DONNELLS & STEINMETZ

Second and Sierra Sts.

Reno, Nevada

THOMAS CAFE, Inc.

J. W. Edwards, Mgr.

Music Evenings 6:00-8:30 and 10 to 11:30 p.m.

Specialties

PARTIES-BANQUETS

Phone 744 RENO, NEVADA

Automobiles and Supplies

Wagons and Carriages

Rock Springs COAL Hiawatha STEINHEIMER BROS.

Phone 1261

Fourth and Sierra Sts.

FOR U. of N. MEN

High Living at Low Cost \$6 for Nine Months at

Young Men's Christian Association

Of Reno

GYMNASIUM CLASSES

SWIMMING SHOWER BATHS BASKET BALL HAND BALL

BOWLING POOL BILLIARDS SOCIAL ROOMS

MAKE IT YOUR CLUB HOUSE WHEN OFF THE "HILL"



Standard Quality

unstable than poverty in quality and we avoid this quicksand by standard quality.

Golf Base Ball Foot Ball

Dear Hank:

Basket Ball Athletic Equipment Catalogue

A. G. Spalding & Bros. 435 So. Spring Street Los Angeles, Cal.

CUB WRITES OF BLOCK "N"

The good angel that brings peppy moment he arrived on the scene he the Light Brigade-get recognition. started putting in a few good licks.

three hours notice. never knew we had assemblies heard that is more our size and that has just

about it and showed up. All of which about the advantages we enjoy. We're MECHANICAL DEPARTMENTS regular order of things.

homelike fashion-you know-just like the Sagebrush suggested last me, Hank, that's the logical game for week. That's the best hunch yet, the "N." Everyone right up close right around the chair, just like the family circle with father at the head. The only suggestion my valuable experience can suggest is to sprinkle the girls in among the fellows. . I know several girls who would show, then, and anyhow they usually have something to say (I might better have said always) it. and maybe if they could get a boy to tell it we would be interested.

We talked about Block "N" and of all the stingy, conservative, jealous, suspicious (take your pick of adjectives, they're free) people, U. N. S. A. can cop the candy. I guess naybe we didn't find out what a block "N" is worth, and what it costs to get one. Listen to this Hank, before the band Campus, Nov. 19, 1912 starts—those poor fellows who get out on the cold green every day to beat Santa Clara won't get an "N" assemblies is again in our midst. They for it. The .nen who fought the Aussay that Bill Settlemeyer in despera- tralians to the last ditch and then tion played that old Mephistophales almost gave them a jab won't catch. stunt to bribe him back. He's back sight of a letter. Only the heroes of tho' Hank, that's the point and the that Berkeley trip-the last stand of

After speeches and near speeches You know a few weeks ago last and more speeches it seems to me that Friday there was to have been an we fell far short of the purpose of Assembly. Every one knew about it the whole meeting. Football men are and as a consequence no one showed never set on fire with the prospects up. Too dull, you know. Why we of the Berkeley game. I'll bet the used to go there to give a few yells, Orpheum, more than the prospects of hear Eunice Cogwin drawl out the winning from California, make them minutes and listen attentively while work so hard. Hardly any of us give Bill announced the meeting adjourned, any more enthusiasm than to give That's all there was to it Last Thurs-day about three o'clock the announcements of Friday's meeting was posted. is told. It's different with the Santa Everyone started to talk at once. Such Clara game. Hank, we have a chance an absurdity to have a meeting on to bent those fellows and if we do And everybody beat them we earn the chance to talked so much that a few people who wear gold crowns. They have a school

goes to show that to wake some dead interested in that game, we're tense we need only to diverge from the as the time for leaving comes closer we're just going to think, and think People showed up in fine shape and and think until we hear the result. the seats were arranged in the coziest isn't that just the true spirit for an "N" game? It surely is, and believe

After all is said and done, though, we've got to hand it to some one for coming thru with the enthusiasm. Why, pretty soon we'll want student body meetings every week. We want interest-that's what we want and if we can make the student body interesting there's where we'll go to get

Some treat coming up I've heard, Hank, It's just a rumored whisper and besides it's a scoop if true. The Glee Club is going to give a whole hour next Friday. You know so far they have only appeared at the Barb All kinds of stories about wait and we'll all be there.

Here endeth the lesson Hank, Amen.

Diamonds, Watches, Clocks and All kinds of Watch and Jewelry Repairing

Reno Jewelry Co. 127 N. Virginia St. in Red Cross Drug Co.

(Continued from page one.

various forms. The double bar guide, ordinarily known as the alligator type of guide and crosshead, is the one that gives the most satisfactory results. Consequently we have adopted it in the miniature.

The main or connecting rod is the part of the mechanism by which the reciprocating motion of the crosshead is converted into the rotating motion of the crank pin. It is subjected not only to the tensile and compression stresses due to the vertical motion, but also to the buckling loads imposed by the compression thrust on long columns. In short, this rod is subjected to all of the stress of compressions, tension, horizontal deflection, or bending due to compression, and vertical deflection speedy singing are afloat. Well we'll due to compression, centrifugal force, and inertia at high speed. therefore, on the greatest importance that the section be as light as pos-(To be Concluded Next Week)

CONCRETE LAB. MOVED

The cement testing laboratory is being moved from the basement of the Chemistry building to the new quarters provided for it in the Electrical building. The laboratory is well equipped for investigations of cement and concrete

Don't have a fit on the street. Call on

Gavin Baird and have a correct fit.

Gavin Baird Merchant Tailor 15 East Second Street

NICAL DEPARTMENTS
MINIATURE LOCOMOTIVE LILLY COLLEGE UNIFORMS



Are the acknowledged standard for Military Schools and are worn at all leading Colleges everywhere. They are more attractive in appearance and give better service than any other make of college uniform

Write for Catalog. Address

The M.C. Lilley & Co.

Rough Neck **Sweaters**

SPAULDING All Colors and Sizes \$5.00 to \$7.50 MARK CROSS GLOVES PHOENIX SILK HOSE Guaranteed Hole Proof 3 mo. for men and women Interwoven Hose, Shirts, Cravats, Etc.

Hirsh, Wickwire Clothing

THE OTIS STORE

NEVADA HARDWARE & SUPPLY COMPANY

We Supply Anything You Need

We offer our entire stock of Women's, Misses' and Children's Ready-to-Wear Garments, Waists, Sweaters, winter Underwear, Hosiery and Fancy Goods at a reduction from regular prices. Beginning

In addition we feature several groups of wonderful values in Coats, Suits and Dresses at prices that will astonish the most conservative shoppers. In all our experience no such values have ever been offered in this city.

JUST ONE WORD FURTHER--Let nothing keep you from this sale or prevent you from taking advantage of these big bargains