

1924

Flow Sheet 1924

The Students of the College of Mines and Metallurgy, University of Texas

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1924

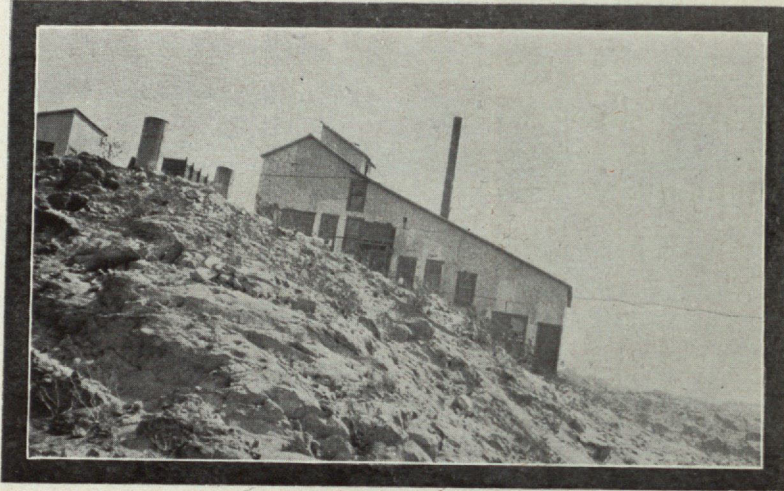


FLOW

SHEET



The Flow Sheet



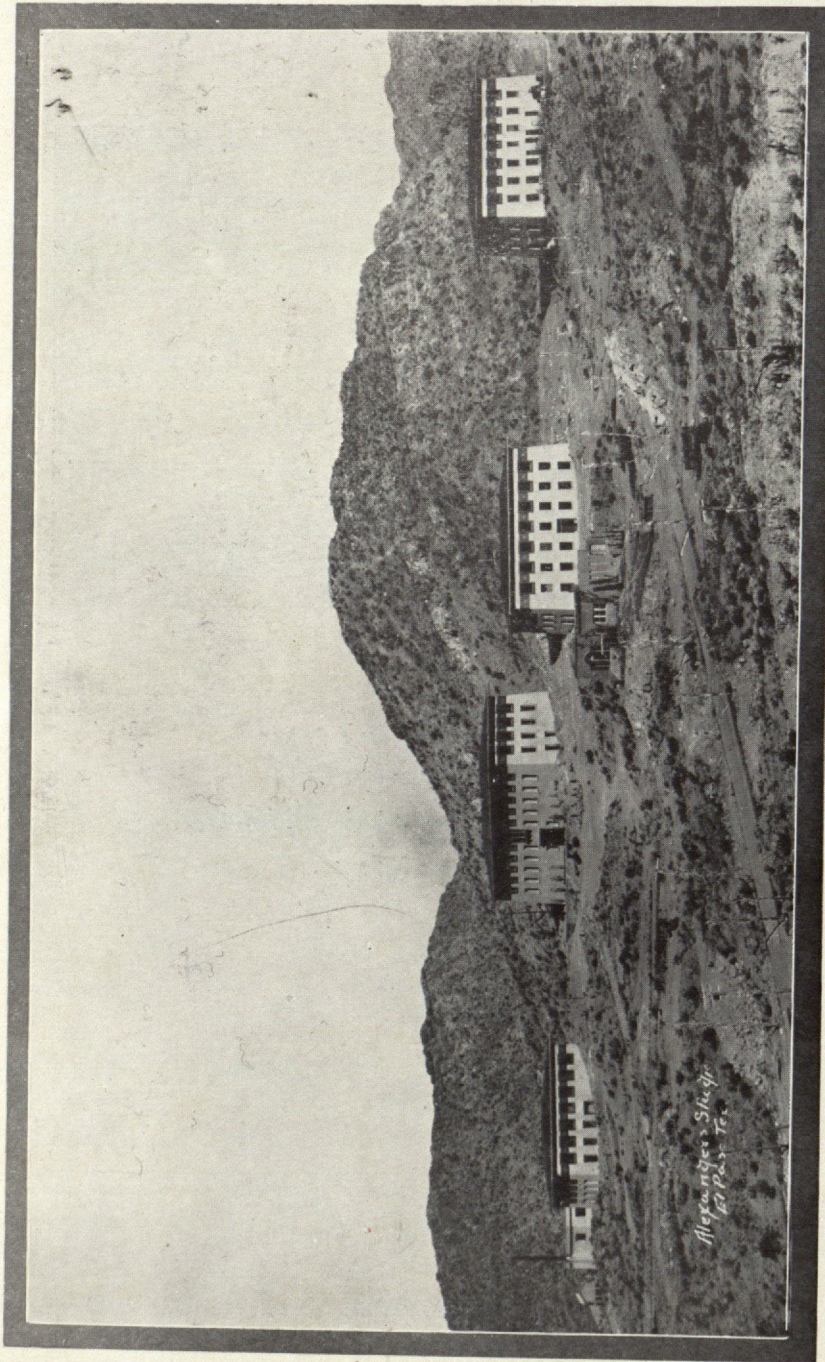
A book published by and for
the Students of
The College of Mines and Metallurgy,
University of Texas.



El Paso, Texas

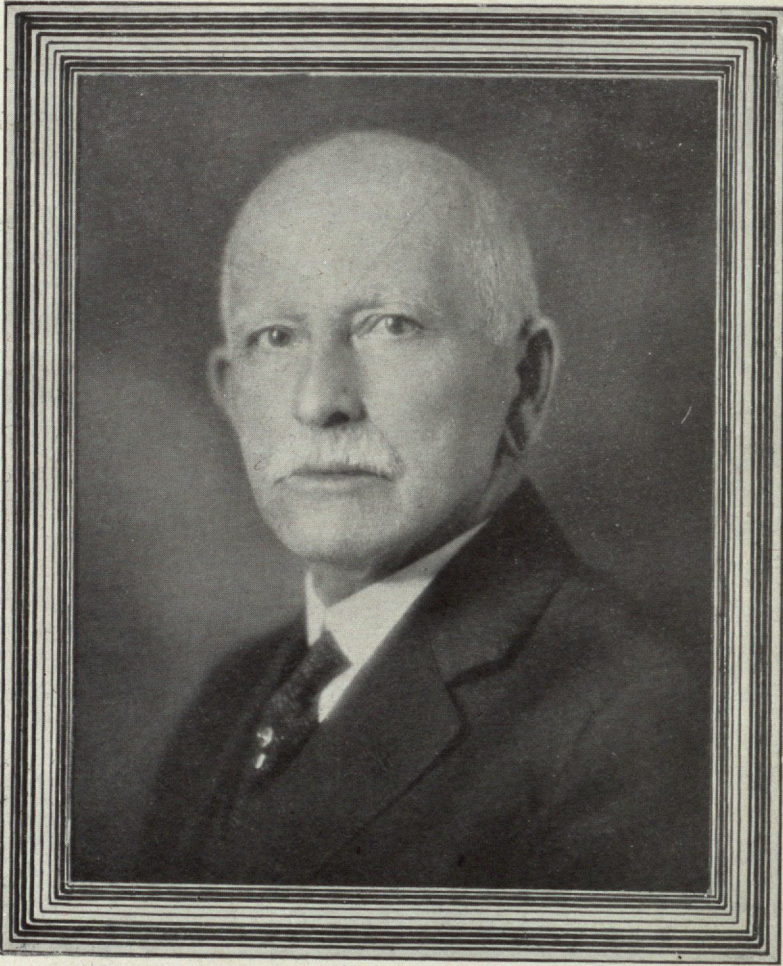
1924

THE FLOW SHEET



THE CAMPUS

THE FLOW SHEET



WILLIAM SENECA SUTTON, M. A., LL. D.

President ad interim, University of Texas

BOARD OF REGENTS

Henry J. Lutcher Stark

Mrs. H. J. O'Hair

Sam P. Cochran

Frank C. Jones

H. A. Roe

Dr. Joe S. Wooten

C. M. Caldwell

Tucker Royall

R. G. Storey

THE FLOW SHEET

DEDICATION

To

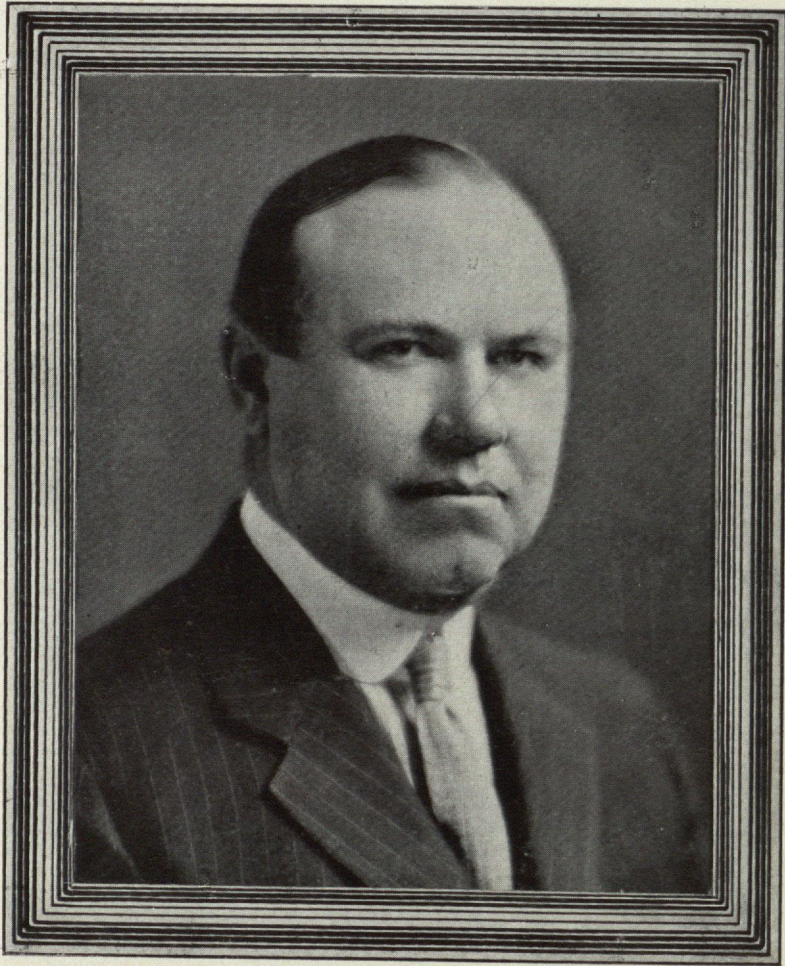
JOHN W. KIDD

Dean of the College of Mines and Metallurgy,

A Man Among His Fellows,

We Dedicate This Book.

THE FLOW SHEET



John W. Kidd.

B. S., Oklahoma Agricultural and Mechanical College, 1904

E. E., Texas Agricultural and Mechanical College, 1909

**DEAN AND PROFESSOR OF ENGINEERING
AND MATHEMATICS**

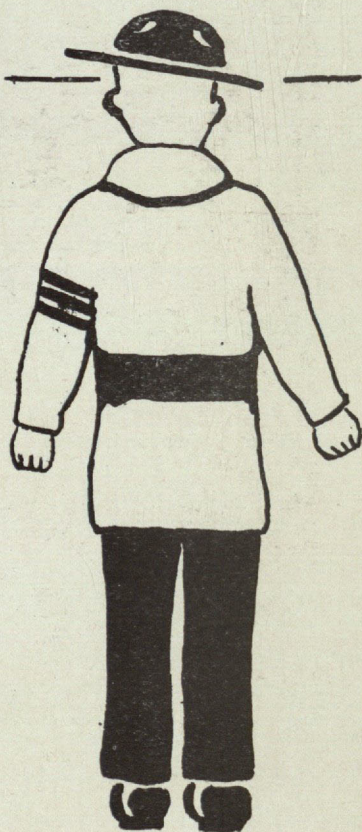
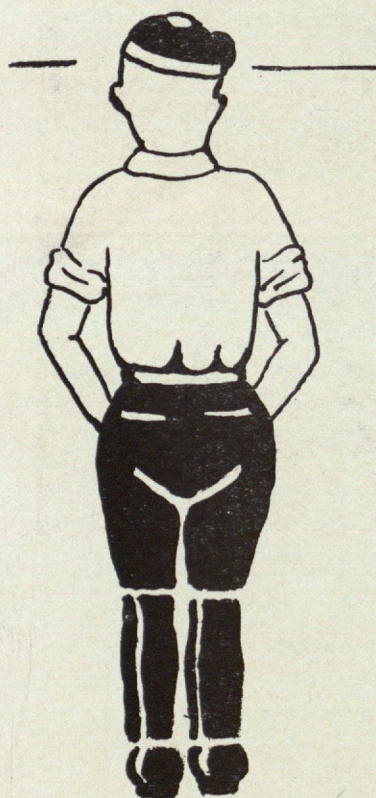
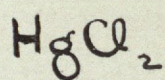
THE FLOW SHEET



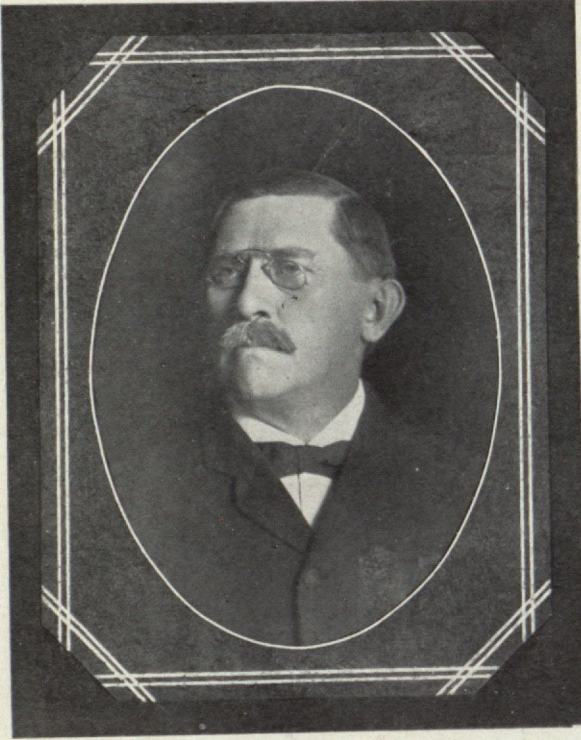
KELLY HALL

FACULTY

$$x^2 = 2py$$



THE FLOW SHEET



WILLIAM HENRY SEAMON

B. S., University of Virginia, 1881.

Professor of Natural Sciences, Miller School, Virginia, 1882-88; Professor of Chemistry and Metallurgy, Missouri School of Mines, 1888-95; President and Professor of Mining, New Mexico School of Mines, 1895-98; Superintendent of Lead and Zinc Mine, Missouri, 1890-92; Head of Exploring Parties in Alaska, 1898-99; Manager of Copper Bell Mining and Smelting Co., Arizona, 1900-02; Superintendent of Tin Mine in North Carolina, 1903; Consulting Chemist and Metallurgist, Chihuahua, Mexico, 1904-10; Mining lead and silver in Chihuahua, Mexico, 1911-12; Superintendent of Swansea Copper Smelting Co., Arizona, 1912; Superintendent of La Dura Mines, Sonora, Mexico, 1913; Superintendent of Santa Rosalia Smelting Co., Mexico, 1915; Assistant Superintendent Magistral Smelting Co., Mexico, 1916; in niter explorations in West Texas, 1917; Superintendent of Richmond Basin Silver Mine, Arizona, 1918; Professor of Mining and Geology, College of Mines and Metallurgy, University of Texas, 1918—.

EMMET ADDIS DRAKE

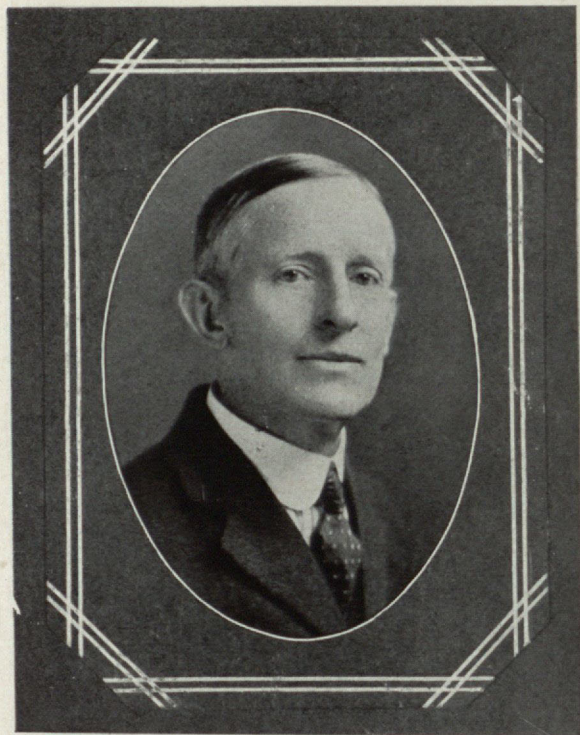
A. B., Wisconsin University, 1882.

A. M., Wisconsin University, 1887.

Instructor, Wisconsin University, 1883-4; Instructor, Missouri School of Mines, 1885-91; Mining in Southwest Missouri, 1891-7; Professor of Languages, New Mexico School of Mines, 1897-1913; President of the Faculty, New Mexico School of Mines, 1908-13; Associate Professor of English and Economics, College of Mines and Metallurgy, University of Texas, 1919—.



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FRANKLIN HUPP SEAMON

E. M., Missouri School of Mines and Metallurgy, 1891.

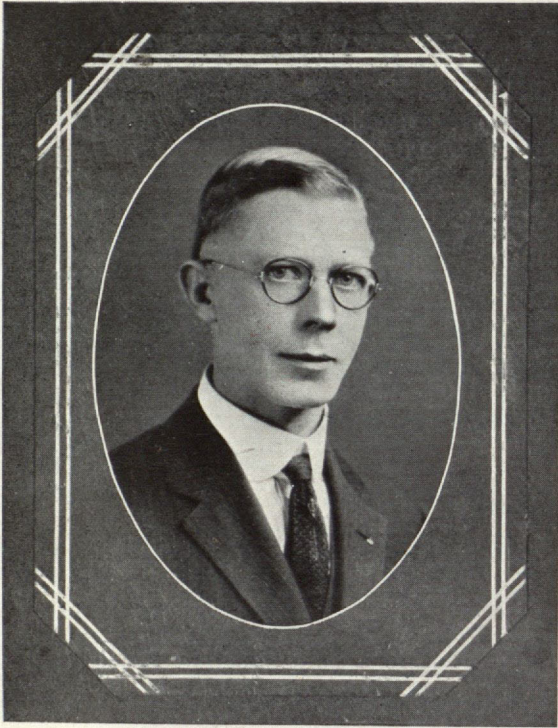
Assistant Chemist, Laughlin & Junction Iron & Steel Company, Mingo Junction, Ohio, 1891-92; Chemist and Assayer, Motolina Consolidated Mining Company, Zacatecas, Mexico, 1892; Chemist, Vacas Mining and Smelting Company, Vacas, Durango, Mexico, 1892-94; Chemist, Baradon y Cabras Mining Company, Guanacevi, Mexico, 1894-95; Ore Purchasing Agent, La Gran Fundicion Nacional Mexicana, Mexico, 1895-98; Proprietor of The Seamon Assay Company, Mining Engineering and Analytical Chemistry, El Paso, Texas, 1898-1915; Professor of Chemistry and Assaying, College of Mines and Metallurgy, University of Texas, 1915—.

MYRA C. WINKLER

One Year in Rural Schools; Ten Years in El Paso Public Schools (the last four in El Paso High School); Superintendent of Schools, El Paso County, ten years; Adjunct Professor of History, College of Mines and Metallurgy, University of Texas, 1922—.



THE FLOW SHEET



LLOYD A. NELSON

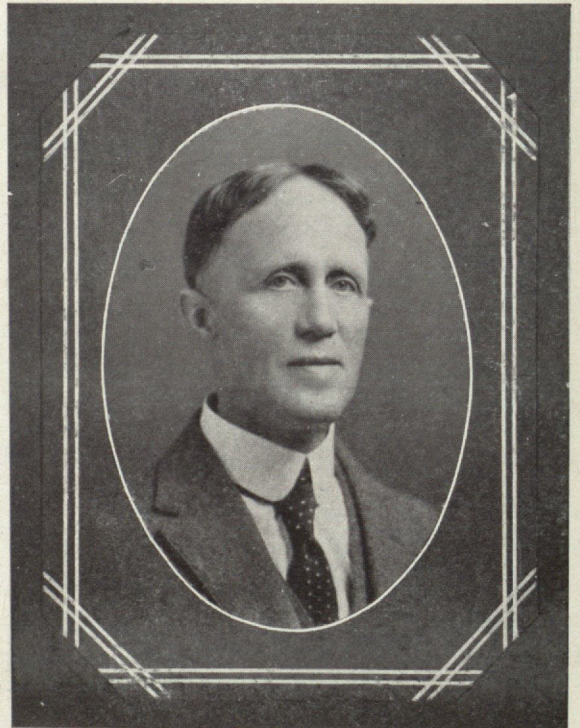
E. M., Texas School of Mines, 1916.

Engineering Department, Cananea Consolidated Copper Company, 1916-17; Engineer, Phelps Dodge Corporation, Tyrone, New Mexico, 1917-18; Engineering Department, U. S. Reclamation Service, 1918; Engineer, Chino Copper Company, Santa Rita, New Mexico, 1918-19; Adjunct Professor of Engineering and Mathematics, College of Mines and Metallurgy, University of Texas, 1920—.

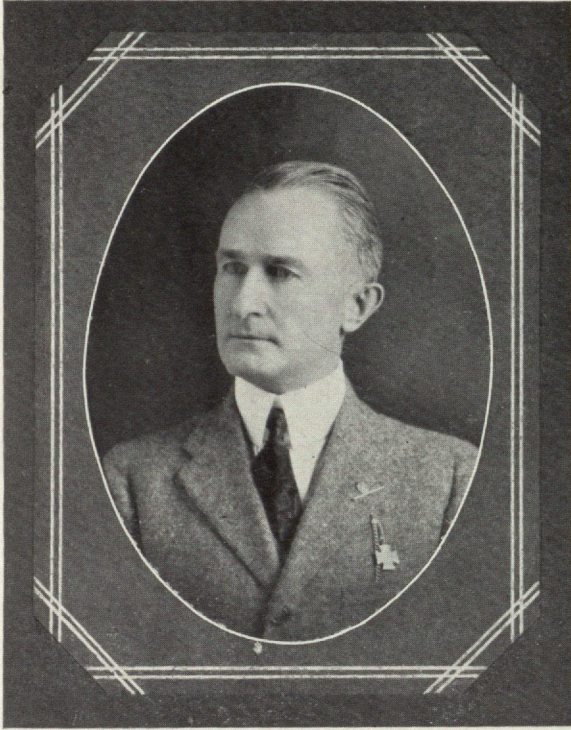
ARTHUR PEARSON

B. A., University of Denver, Colorado, 1907.

Graduate Student, University of California, 1918-19; Graduate Student, Cornell University, 1921-22; Instructor in Physics and Mathematics, College of Mines and Metallurgy, University of Texas, 1920—.



THE FLOW SHEET



BURT FRANKLIN JENNESS, M. D.

M. D., Dartmouth Medical College, 1899.

Graduate of Naval Medical School, 1903.

Service in Medical Corps, U. S. Navy, 12 years; Lieut. Commander, Medical Corps, U. S. Navy, retired; Lecturer of Hygiene and Sanitation and First Aid, College of Mines and Metallurgy, University of Texas, 1918—.

FRANK GROCH

B. S. and E. M., Case School of Applied Science, Cleveland, Ohio, 1902.

Consulting Engineer, Ore Dressing and Mill Building in United States, Canada and Mexico; Professor of Metallurgy, College of Mines and Metallurgy, University of Texas, 1923-24.



THE FLOW SHEET



JULES LOUIS HENRY

Bachelier es Lettres-Philosophe,
University of Paris.

Instructor in Modern Languages, College of
Mines and Metallurgy, University of Texas,
1917—.

AN APPRECIATION

We, the students of the College of Mines, take this means of expressing our appreciation to Mr. and Mrs. W. H. Seamon for the delightful Sunday evenings at home. The memory of these evenings will always be cherished.

THE FLOW SHEET



MISS RUTH AUGUR
Registrar



MISS SUE SPANTON
Secretary to the Dean

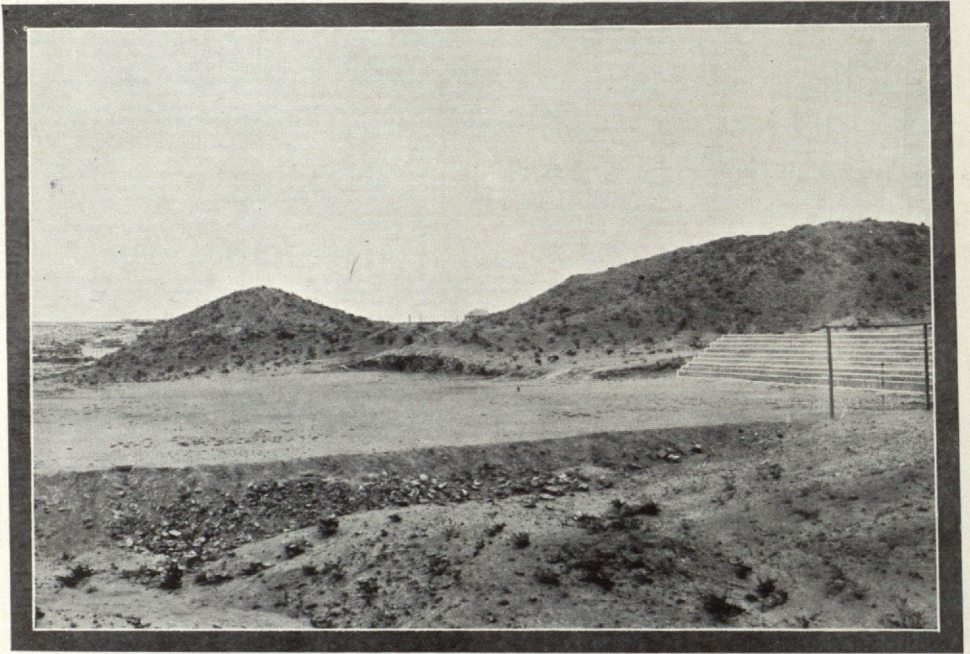


MRS. ALICE MORRIS
Librarian



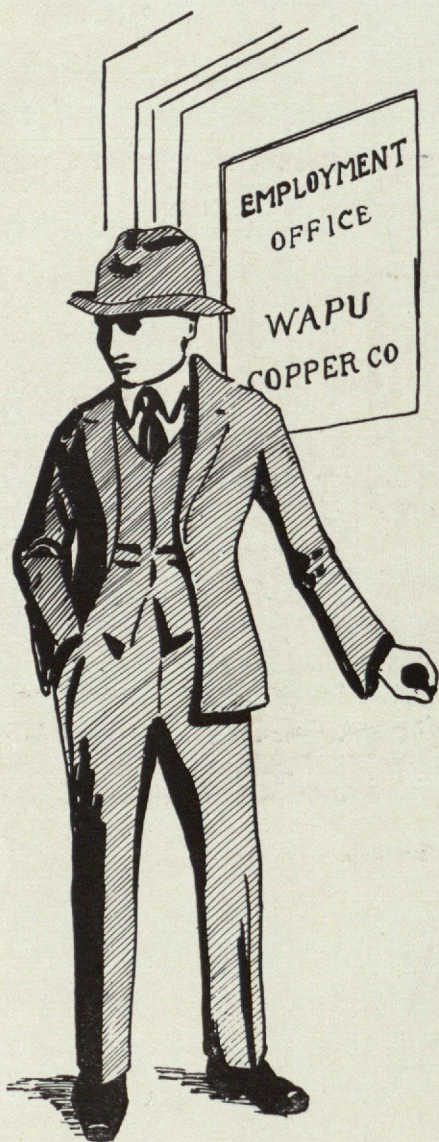
MRS. H. P. NELSON
Matron of Dormitories

THE FLOW SHEET



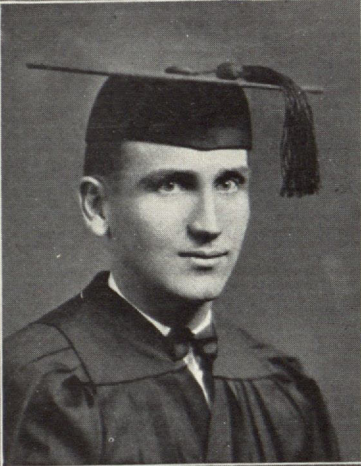
FOOTBALL FIELD

SENIORS



THE FLOW SHEET

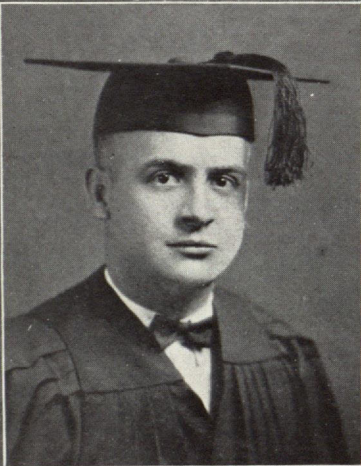
1924



THOMAS L. WHITE, B. S.

"Soul-mate"

President Senior Class.
President Student Association, 1923-'24
Football, 1920-'21-'22-'23.
Captain Football, 1921.
Secretary Student Association, 1922-'23.
Vice President "M" Club, 1923-'24.
Secretary "M" Club, 1922-'23.
Scientific Club.
Junior Associate Member A. I. M. E.
Purity Squad.



LLOYD A. SUMMERS, B. S.

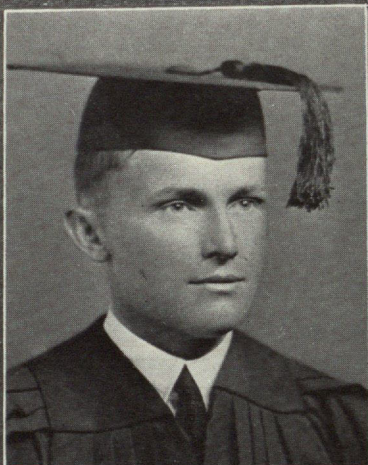
"Montgomery"

Alpha Phi Omega.
Vice President Senior Class.
President Scientific Club, 1923-'24.
School News Editor Prospector, 1921-'22.
Assistant Manager Football, 1922-'23.
Student Assistant Mineralogy and Mining, 1923-'24.
Junior Associate Member A. I. M. E.



THE FLOW SHEET

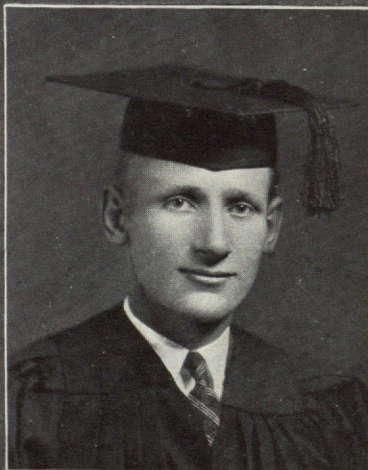
1924



JUSTIN W. FOSTER, B. S.

"Wanck."

Secretary-Treasurer Senior Class.
Business Manager Flow Sheet, 1922.
Scientific Club.
Junior Associate Member A. I. M. E.
Student Member A. A. E.
Rifle Club.



ROSCOE H. CANON, B. S.

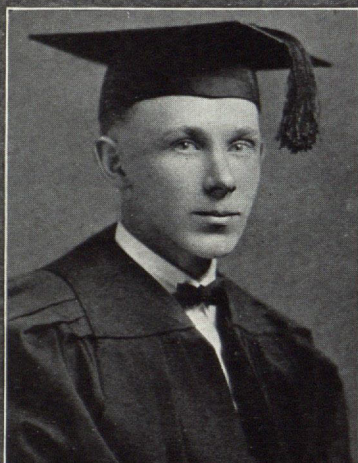
"Hardshell"

President Student Association, 1922-'23.
Football, 1921-'22-'23.
Captain Football, 1922.
Executive Committee, 1921-'22, '23-'24.
President "M" Club, 1924.
Scientific Club.
Junior Associate Member A. I. M. E.



THE FLOW SHEET

1924



WEBSTER JONES THARP, B. S.

"Swamp."

Alpha Phi Omega.
Dormitory Committee, 1923-'24.
Executive Committee, 1920-'21.
Baseball, 1920.
Scientific Club.
Junior Associate Member A. I. M. E.



JOHN H. CHEAVENS, B. S.

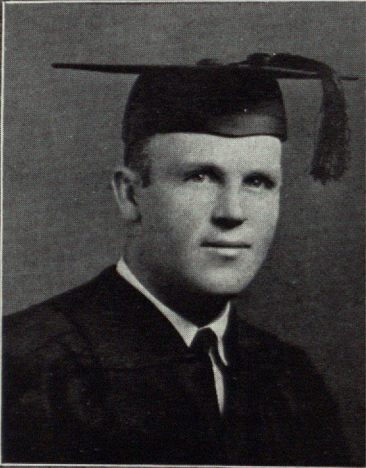
"Cheevas"

Pi Sigma Nu.
Editor Flow Sheet, 1924.
Vice President Scientific Club,
1923-'24.
Executive Committee, 1923-'24.
Student Assistant Metallurgy, 1923-'24.
Junior Associate Member A. I. M. E.



THE FLOW SHEET

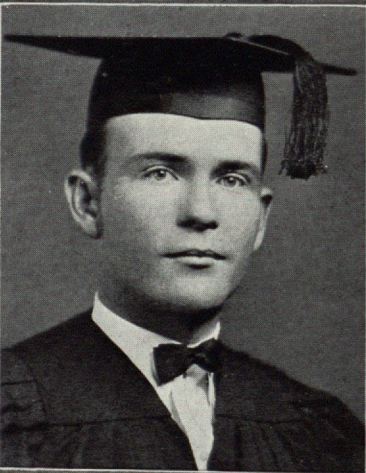
1924



WILLIAM W. BINFORD, B. S.

"Binnie"

Pi Sigma Nu.
Executive Committee, 1922-'23.
President "M" Club, 1922-'23.
Football, 1919-'20-'21-'22-'23.
Scientific Club.
Junior Associate Member A. I. M. E.
Student Member A. A. E.



WILLARD L. RUSSELL, B. S.

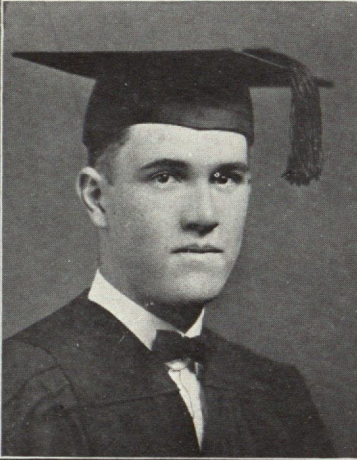
"Twisty," "Pop"

Alpha Phi Omega.
Business Manager Prospector, 1922-'23.
Editor Prospector, 1921-'22.
Dormitory Committee, 1920-'21-'22-'23.
Student Assistant Power Plant, 1922-'23-'24.
Scientific Club.
Student Member A. A. E.
Publisher, Prospector, 1920-'21-'22-'23-'24.



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RALPH W. CROSBY, B. S.

"Gold Dust Twin"

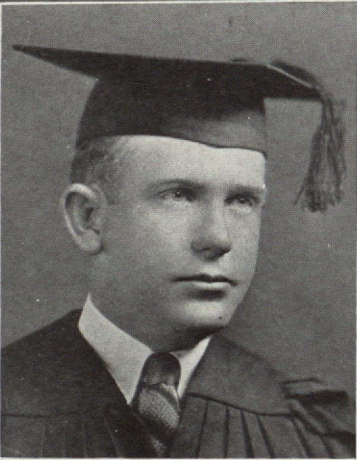
Vice President Student Association,
1923-'24.

Executive Committee, 1923-'24.

Associate Editor Prospector, 1922-'23.
Scientific Club.

Junior Associate Member A. I. M. E.

Student Member A. A. E.



HORACE H. BECK, B. S.

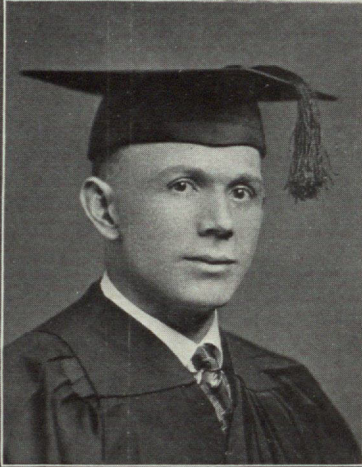
"Becky"

Zeta Alpha Kappa.
Scientific Club.



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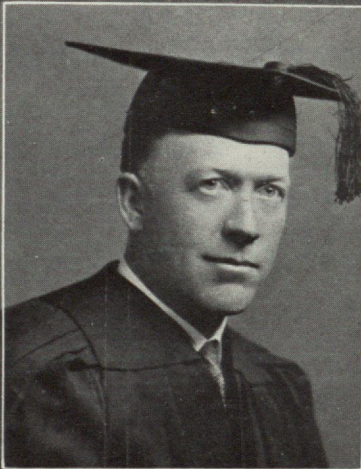
1924



EMIL J. MUELLER, B. S.

"Muler"

Business Manager Flow Sheet, 1924.
Student Assistant in Chemistry and
Assaying, 1923-'24.
Scientific Club.
Junior Associate Member A. I. M. E.



J. L. BONNER COFFEY, B. S.

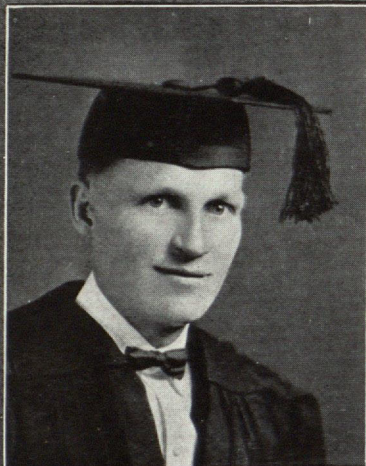
"Jake"

Football Manager, 1922-'23-'24.
Assistant Coach, 1921-'22-'23.
Dormitory Committee, 1920-'21-'22.
Scientific Club.
Assistant Business Manager Flow Sheet,
1924.



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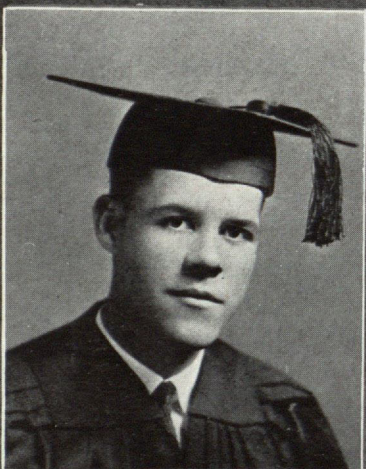
1924



FELIX E. RISACHER, B. S.

"Feline Felix"

Scientific Club.
Junior Associate Member A. I. M. E.



FREDERICK A. WILHELMI, B. S.

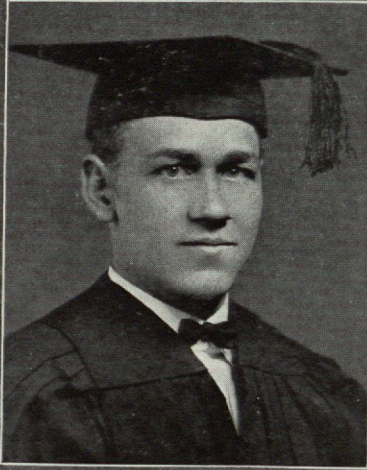
"Tut"

Secretary-Treasurer Student Association, 1923-'24.
Secretary Rifle Club, 1923-'24.
Chairman Dormitory Committee, 1923-'24.
Social Committee, 1923-'24.
Chairman Social Committee, 1922-'23.
Executive Committee, 1920-'21, '22-'23.
Mines Club.
Orchestra.
Scientific Club.
Junior Associate Member A. I. M. E.
Senior Class Sheik.



THE FLOW SHEET

1924

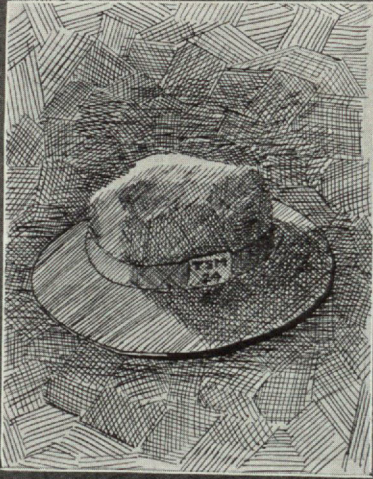


PAUL HALE

"Lion Tamer"

Scientific Club.

Junior Associate Member A. I. M. E.



"By their hats shall ye know them."

—Steve Brodie.

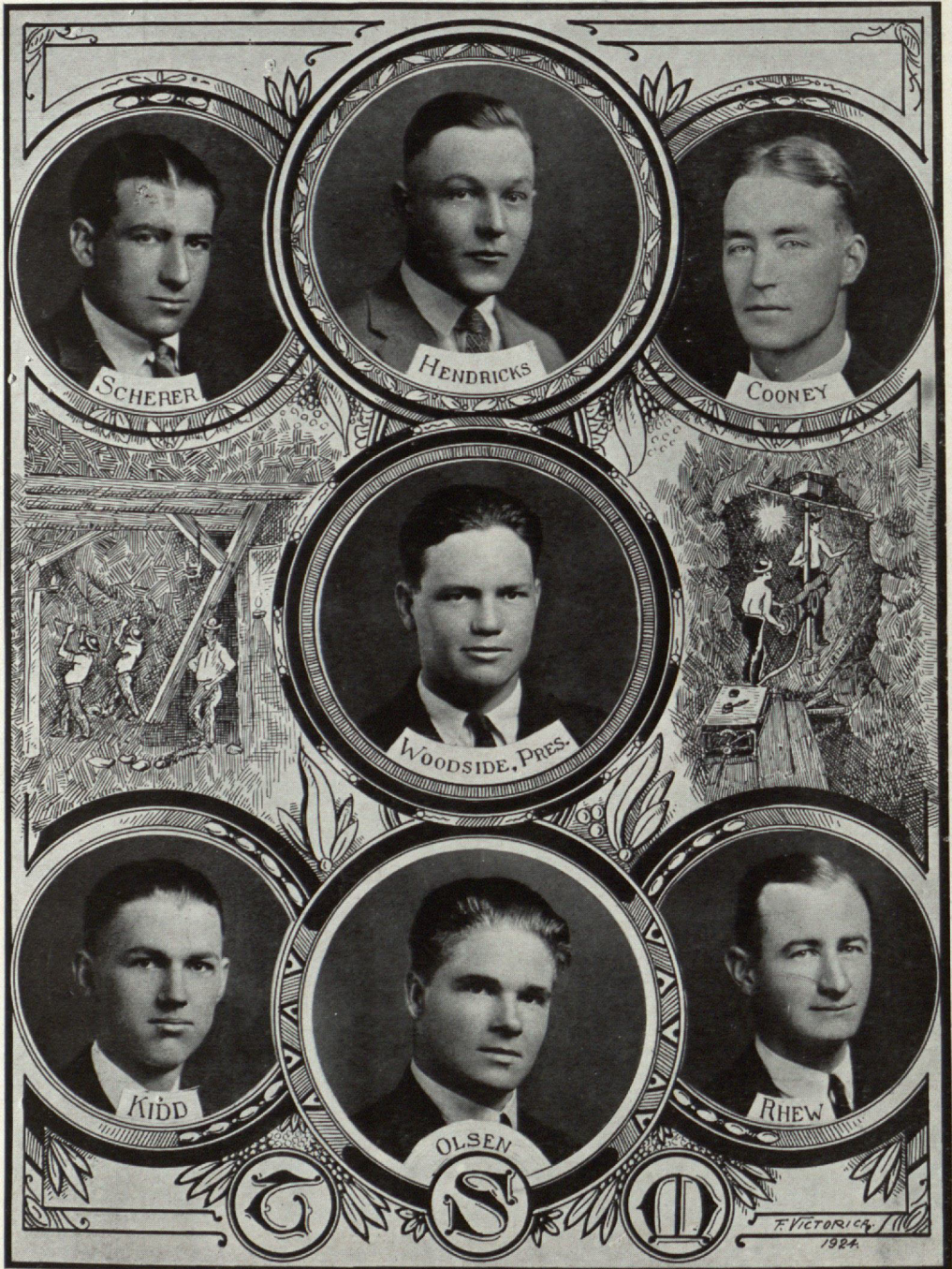


A collage of black and white photographs depicting various scenes from a motorcycle rally. The word "M" is prominently displayed in the center, and the word "DAY" is at the bottom. The photographs show groups of riders, motorcycles, and people in a desert setting. The photos are arranged in a circular pattern around the central text. The scenes include a line of motorcycles parked in a desert, a group of people standing in front of a car, a person riding a motorcycle, a group of people standing in a desert, a person riding a motorcycle, a group of people standing in front of a car, a person riding a motorcycle, and a group of people standing in a desert.

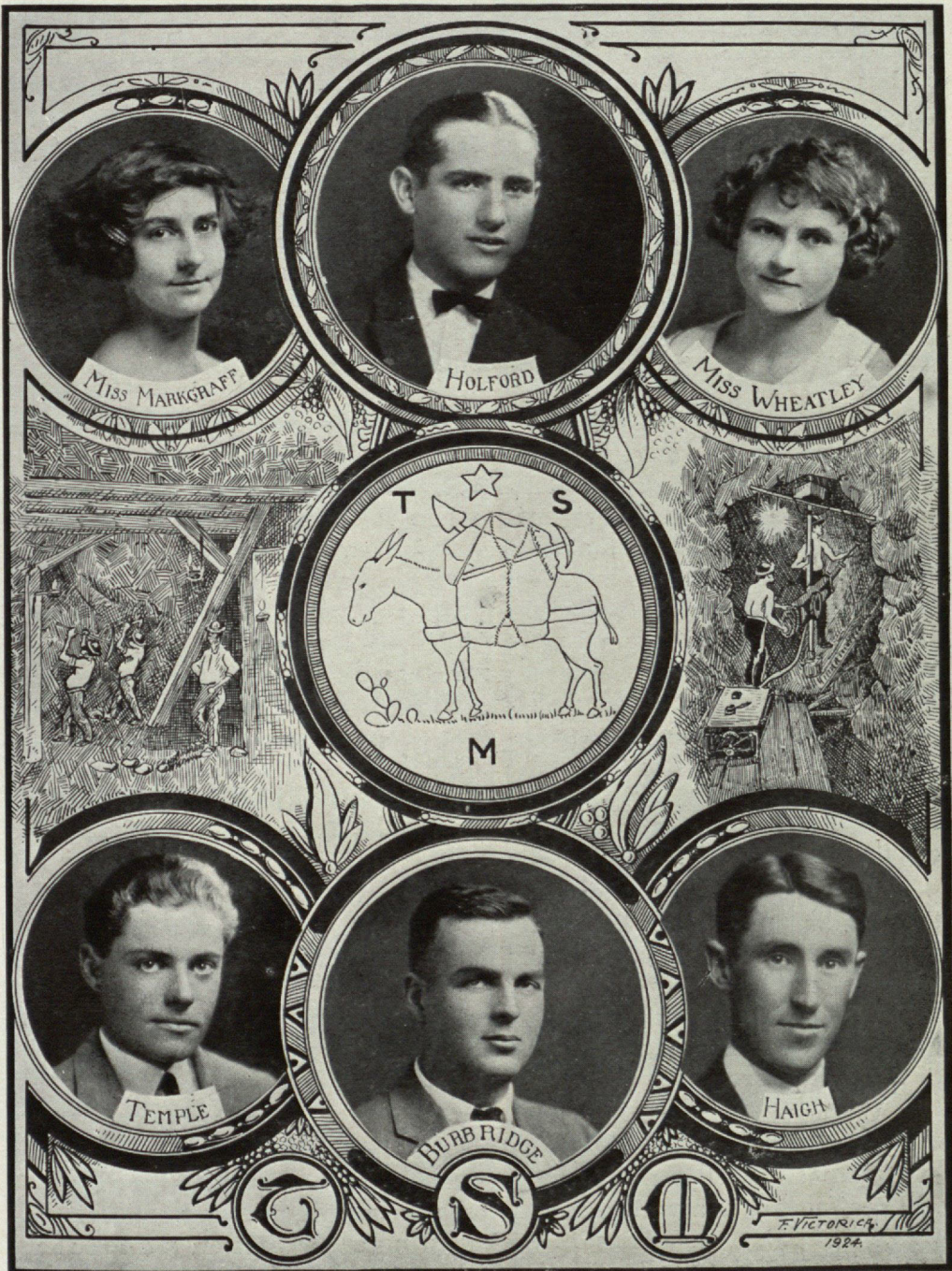
JUNIORS



THE FLOW SHEET



THE FLOW SHEET



THE FLOW SHEET

CLASS OF 1925

The year 1921 was, from our point of view, a banner year for the College of Mines. Our stay here has been varied and stormy, to say the least—but we hope we have passed the hard part of our journey and will don the cap and gown in another year.

In our first year some of us passed and some of us failed to pass our Analytics, Trig., Algebra, and Physics. In September, '22, we shouldered our "guns" and began to pick up the rudiments of shooting traverses, running curves, and making observations on Polaris, sometimes for purely mathematical purposes and at other times as a means of improving the morals of our fair city. In October we inherited some members from the higher classes and bequeathed several to the incoming tide of fishes.

Calculus led us to grief in our Sophomore year, given by that past master of the arts, the famous captain of bygone days, "BEAR DOWN, GENTLEMEN, BEAR DOWN." Mechanics, the sequel, gave us many more delightful experiences in the wee early hours of the morning. Physics had bad after effects for some of us during this year. After all the ups and downs of these two years we entered into the class of the more select.

September, 1923, found us in "A H—— Roaring Camp in '86" in the wilds of New Mexico, earnestly sniffing pebbles in a vain search for the rare mineral "Electricolyte." A red rag was not needed to get into intimate relations with the taurus. One of the chief articles of diet was outmeal cooked "a la influenza." Following the precedent of the early eighties in this camp the worship of lady luck was piously revived and observed. However, we survived the ordeals, one and all, both physically and financially.

On our return to civilization we were immediately confronted with the "Scylla and Charybdis" of all Juniors, graphic statics and hydraulics. We learned the meaning of the term "Seniors ueber alles" during this session, but we hope to get into action next year gathering further recruits for this ancient order, far greater in importance than "The organization for the modification of the eighteenth amendment." Juniors of 1924—beware.

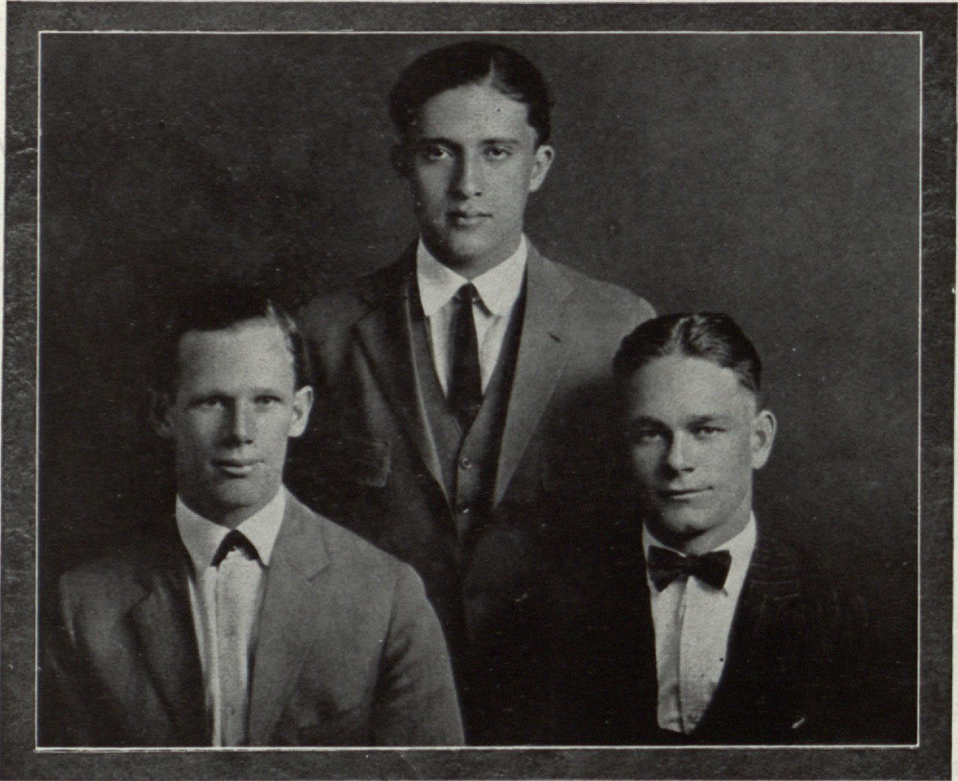
We hope that the fall of 1924 will find us all coming back to the school as Seniors. With all due respect to the trail-blazing Senior class of 1924, we expect to make our presence known and felt. Our efforts will be directed in a path that will have as its goal a bigger and better College of Mines in El Paso. Withdrawing every barrier, we bid the Seniors of 1924 farewell, with the wish that success and happiness may always be with them.

SOPHOMORE



THE FLOW SHEET

SOPHOMORE CLASS OFFICERS



Haynie

Price

Kipp

ROLL OF SOPH CLASS

KIPP, President

HAYNIE, Vice President

PRICE, Secretary-Treasurer

ALEXANDER

WYNN

CAMACHO

BALDWIN

MISS CURD

GAY

DE WITT

STOVER

JONES

JOHNSON

NELSON

JENSEN

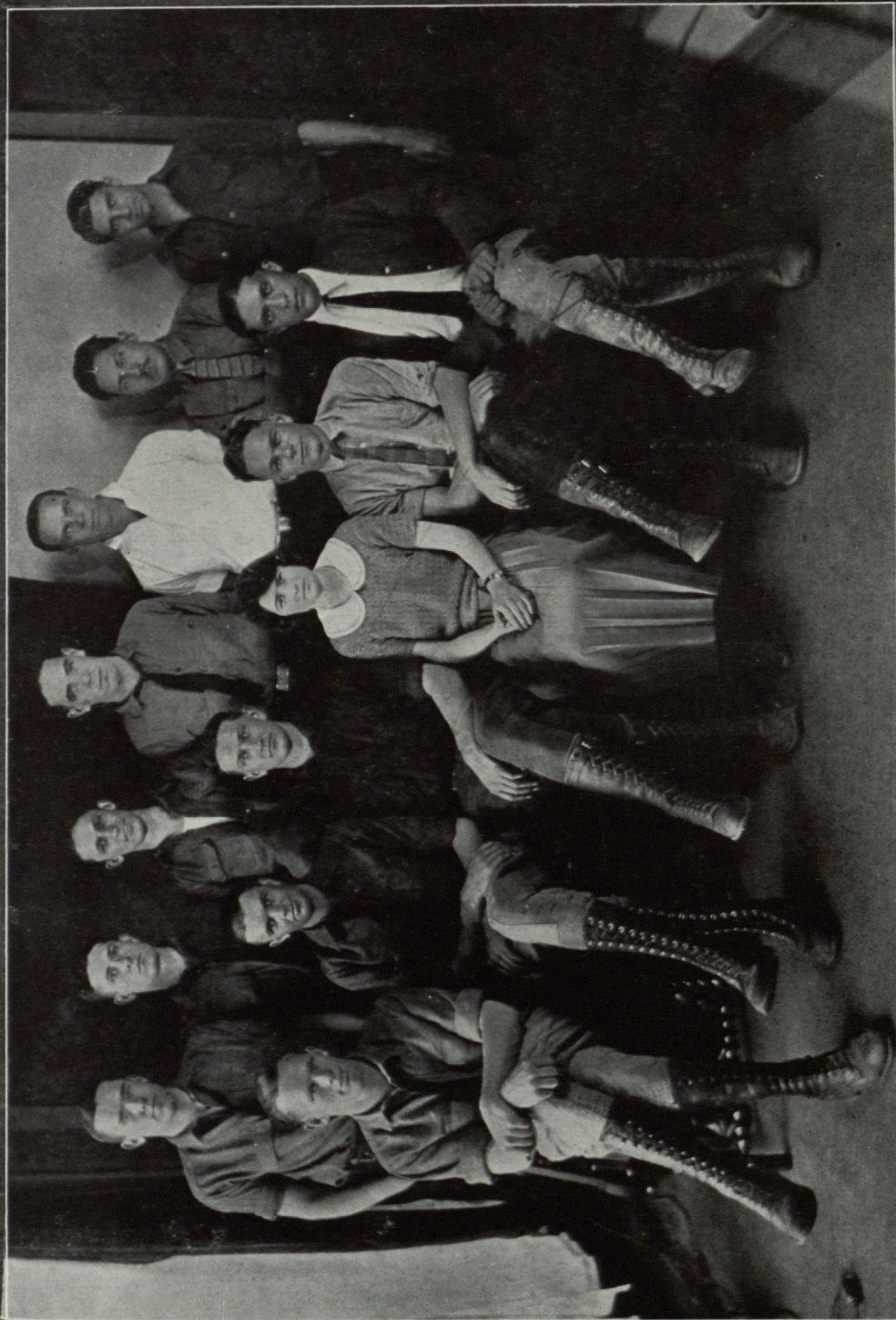
THOMAS

EDMONDSON

MISS BURNHAM

THE FLOW SHEET

SOPHOMORE CLASS



THE FLOW SHEET

HISTORY OF THE CLASS OF '26

Our Class has had a glorious, though somewhat uneventful, history. In our Freshman year we were very popular in the meetings held by the upperclassmen; in fact, some of those meetings were held in our special honor. We were so popular that absolutely every bit of energy we had was drained from us by the repeated demands for our society by the upperclassmen. Our last exploit while we were still "slime" was to paint 26's on several conspicuous places. We sorely repented this after a lasting impression had been made on us by some husky Sophs.

We started our Sophomore year with a determination to follow the Golden Rule as far as our dealings with the Fish were concerned, and we have treated them with almost the consideration and gentleness due to intelligent human beings, although it would require a great stretch of the imagination to classify that slimy bunch as human, without bringing in the "intelligent."

In the class room our record is more or less that of all Soph classes for the last seven hundred and thirty-eight years: what we haven't flunked we have gotten by by the skin of our teeth.

On the football field and on the basketball floor the hope of the School is the Sophomore class.

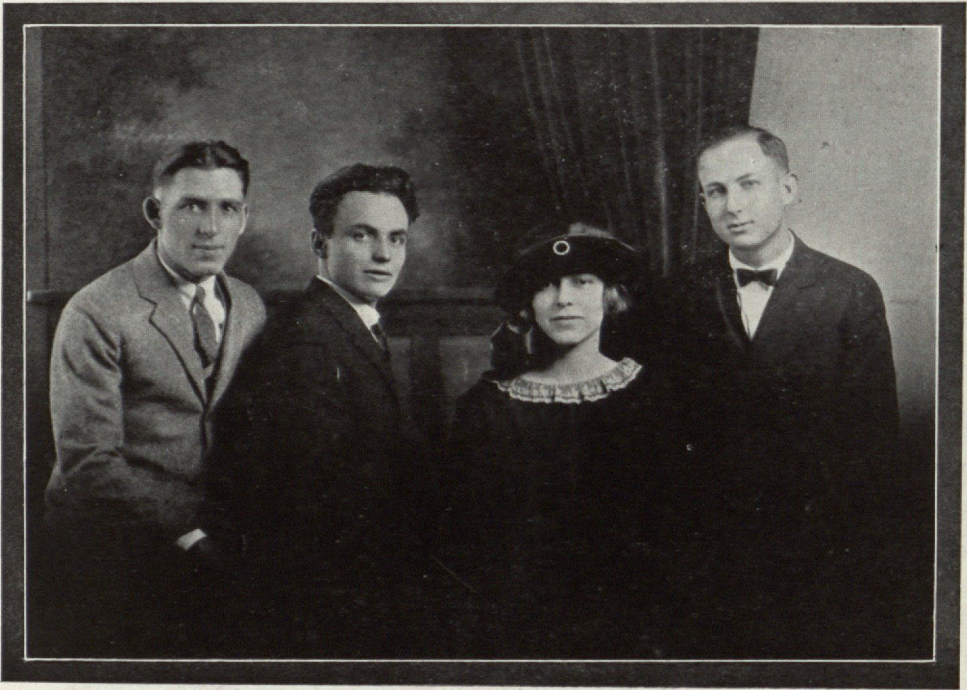
May our history for the next two years be such that people will look back with pride on THE GLORIOUS CLASS OF 1926!

FISH CLASS



THE FLOW SHEET

FRESHMAN CLASS OFFICERS



KENNEDY

WHITLOCK

MISS MORFIT

BROWN

ROLL OF FRESHMAN CLASS

KENNEDY, President

MISS MORFIT, Secretary

WHITLOCK, Vice President

BROWN, Treasurer

BROOKS

DAGGETT

MAESE

McGAW

BACON

MISS ERMAN

MAUD

RANGEL

BINFORD

FRASER

MORGAN

SMITH, B.

COCHRAN

LIGHT

McKEE

SMITH, C.

THE FLOW SHEET



FROSH

THE FLOW SHEET

HISTORY OF THE CLASS OF 1927

We, the fish, arrived in El Paso on or about the 27th day of September and began our search for the fountain of knowledge. We asked a blue coat down town to direct us to the College of Mines and he sure did. First we went east, then south, then west and then north, and finally wound up at the starting place. Eventually we reached our destination and gave our pedigree to the Registrar.

Next we were initiated as apprentices in the mining game in which the entire school took part. This was followed by a luncheon given at the Chocolate Shop in order to reorganize and reassemble our fair squad.

It seems that the Freshman's lot is mostly work, good old hard toil. We painted the football ads on the sidewalks down town, and were obliged to use such salesman ability as we possessed to dispose of football tickets. Some of our work had to be performed in the wee, early hours of the morning, when the streets were all deserted and the cops all asleep.

The Freshmen took a leading part in placing the "M" on Mount Franklin as far as details were concerned and we are proud of our achievement. May the "M" live until next year so that we can have the opportunity to assemble details for the Class of 1928.

Next we took part in the Athletic Fund Drive and piled up a score that was exceeded only by the Seniors. This made us feel rather good. We had to tell all about it in the Freshman edition of The Prospector which brought down upon our heads the wrath of those so-called Sophs. However, we assembled our forces and gave them the battle of their young lives. The end was a complete victory in our favor. Long live the Class of 1927.

On March 17th we were permitted to be the leading characters in the initiation of the Order of St. Pat which was conducted in connection with the annual St. Pat's picnic. The affair was a great success from everybody's point of view except us freshmen. We just couldn't get the kick and the knocks out of it. However, we hope to be able to have other recruits next year to compensate us for having to ride the goat this year.

On March 22, 1924, we Freshmen gave a dance for the benefit of the entire student body, which was a great success, at least that was what they told us.

The Freshmen were also active in putting in the target range for the Rifle Club. Besides getting permission from the Mayor of El Paso we did most of the other work connected with it.

We, the Class of 1927, are strong for the school and the entire student body in spite of the things, unpleasant and otherwise, that we had to contend with this year. We are going to boost for the school at all times and will do our best to get many new recruits for next session.

We hope that our record in the next three years will be such that we may point back with pride to that Boosting, Hard-fighting Class of 1927.

PUBLICATIONS



THE FLOW SHEET

FLOW SHEET STAFF



MUELLER

CHEAVENS

DRAKE

COFFEY

PROF. EMMET A. DRAKEFaculty Advisor

JOHN H. CHEAVENSEditor

EMIL J. MUELLERBusiness Manager

J. BONNER L. COFFEYAss't Business Manager

THE FLOW SHEET

IN MEMORIAM

BYRON J. SNYDER

1881-1923

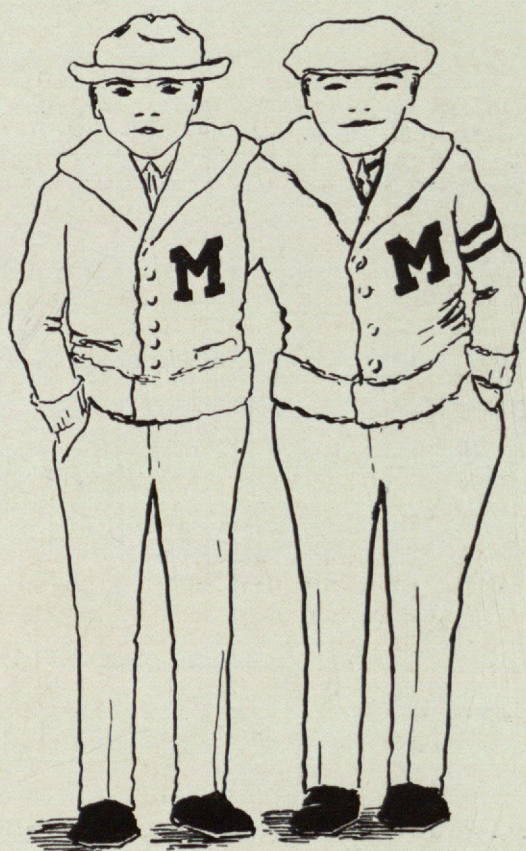
The untimely death of Professor Snyder cut short a life that was full of success in his calling and bright in its future. Altho he had been with us scarcely a month he had shown himself to be a competent and true instructor and a real man. Our loss is greater in that we did not come to know him as students of other institutions have.

Professor Snyder was graduated at the Missouri School of Mines with the class of 1907 with the degree of Bachelor of Science in Metallurgy and three years later received the degree of Engineer of Mines from the same Institution.

From 1909 to 1914, Professor Snyder was Director of the Mining Department and Professor of Metallurgy at the North Georgia Agricultural College. Leaving that position, he accepted the chair of Metallurgy at the New Mexico School of Mines, which he held until 1917, when he resigned to open consulting offices in Dahlonega, Ga.

Professor Snyder leaves a widow and a daughter to whom the students of the College of Mines extend their sincerest sympathy.

ORGANIZATIONS



THE FLOW SHEET

EXECUTIVE COMMITTEE



TOP ROW: COONEY, Junior Member; WOODSIDE, Junior Member; BROOKS, Freshman Member; LIGHT, Freshman Member; STOVER, Sophomore Member; KIPP, Sophomore Member.

BOTTOM ROW: CHEAVENS, Senior Member; WILHELMI, Secretary-Treasurer Student Association; WHITE, President Student Association; CROSBY, Vice President Student Association; CANON, Senior Member.

THE FLOW SHEET



SCIENTIFIC CLUB

THE FLOW SHEET

SCIENTIFIC CLUB

This club was organized October 6, 1920, for the purpose of fostering interest in scientific subjects, by discussions, technical papers prepared by the members, lectures by prominent engineers and scientific men, etc. The Club has been a success from the beginning and has proved an invaluable source of knowledge and pleasure to all the members. Membership in this club is limited to members of the upper three classes. Meetings are held every two weeks during the school year.

Although two weeks late in starting their activities this year, the Club soon got under way, with the first meeting called to order on the evening of October 22, 1923. At this meeting the chief topics of discussion were plans for the year, and a committee was appointed to draft a new and more flexible constitution. Since the previous membership of the Club consisted of only a small percent of the student body, it was decided to appoint a membership committee to encourage more of the students to attend meetings. This was effective in increasing the membership and the attendance.

At the second meeting, Prof. W. H. Seamon, in order to encourage the members to put forth their best efforts in the preparation of technical papers, offered an aneroid barometer as a prize for the best paper read before the Club during the year.

Later in the year the attention of the members was called to the advantages of the Junior Associate Membership offered by the American Institute of Mining Engineers, and the Secretary, Mr. Cooney, was instructed to write for data and membership blanks. In due time, twenty one members took advantage of this offer and all of them were elected as Junior Associate Members.

Fifteen members entered the contest for the Seamon prize, and their papers were delivered before the Club during the second semester. The winner will be announced at the commencement exercises.

The members of the Club wish to express their appreciation to all who helped make a success of the meetings held this year, especially do we wish to thank Prof. W. H. Seamon for the encouragement and whole-hearted support given us.

The final meeting was held May 13, 1924. In addition to the regular meeting, the annual smoker was held for the benefit of all students of the institution. Resolutions were made and plans were formulated for next year.

We feel that the Scientific Club is really worth while. With the constant increase in membership and attendance shown during the course of this year, the advantages to be had by all members will increase in the future.

THE FLOW SHEET

THE "M" CLUB



H. McKEMY NELSON RAGSDALE MORGAN HOLFORD
C. McKEMY CLARK JOHNSON MAUD RHEW COFFEY HENDRICKS
WOODSIDE VOWELL CANON WHITE JENSEN OLSEN

THE FLOW SHEET

SPONSORS' CLUB



The most important thing that has happened this year in its bearing on the welfare of the College of Mines has been the organization of the El Paso Women's Association to the College of Mines with the most prominent women in the city as its officers and members. With the women of El Paso taking an active interest in the success and progress of the College of Mines, just watch us go forward!

The purpose of the organization is to promote, encourage and assist all student activities that make for college life, and the first work the Association has undertaken is to pledge itself to help with the tennis courts, after the miners have finished the preparation of the ground of the courts. The association is also back of all school athletics. The members will serve as sponsors and chaperones for all social activities of the student body, and have been most welcome additions to the student dances this year.

Mrs. A. P. Averill, one of the most prominent club women in the state of Texas, is the president of the association; Mrs. Robert W. McAfee, first vice-president; Mrs. A. P. Coles, second vice-president; Mrs. J. F. Williams, third vice-president; Mrs. James A. Pickett, secretary and Mrs. Maurice Schwartz, treasurer. The board of directors consists of the officers and the following, Mesdames John W. Kidd, C. E. Kelly, W. R. Brown, B. L. Farrar, F. H. Seamon, Will T. Owen and Kuno Doerr.

THE FLOW SHEET

TEXAS COLLEGE OF MINES RIFLE CLUB OFFICERS



HIGH COONEY RISACHER
WILHELMI FALKENHAGEN

This is a new organization in our school. The first meeting was held on October 18, 1923, at which the club was christened and a constitution and a charter member list was drawn up. Dean Kidd, Prof. Nelson and forty-four students signed the application blank which was submitted to the National Rifle Association for a Civilian Rifle Club charter. The following officers were elected for the year: Dan Cooney, President; Felix Risacher, Vice-president; Bert R. Haigh, Executive Officer; Fred Wilhelmi, Secretary; and Hodge Falkenhagen, Treasurer.

The charter has been granted and the following equipment, authorized and issued by the government, has been received; two army Springfield and two gallery-rifles, 120 rounds of Springfield- and 200 rounds of 22- ammunition per club member, along with the necessary equipment for the establishment of a range. The range has been established in a box canyon just north of the college campus.

The members practiced a good deal this year and, altho the club did not participate in any matches, all preparations have been made to enter a team in the Southwestern Rifle Association meets next year. The target practice will give every student who becomes a member a chance to become an efficient marksman and participate in a sport that is truly worth while. Membership is open to all students of the institution. Watch our smoke next year.

THE FLOW SHEET

DORMITORY COMMITTEE



MEMBERS

WILHELMI, Senior, Chairman

THARP, Senior

COONEY, Junior

FALKENHAGEN, Junior

DEWITT, Sophomore

BROWN, Freshman

BROOKS, Freshman

THE FLOW SHEET

R. F. D. CLUB



The R. F. D. club when organized kept the ore diggers at College so wildly guessing what the initials stood for that at least three flunked in algebra, to say nothing of air compression and kindred subjects requiring deep and concentrated thought. To date the secret has not been penetrated, and yet they say that women can't keep a secret!

The club was organized at the beginning of the school year with strictly a co-ed membership. Miss Josephine Morfit was unanimously elected president, and Peter O'Keefe, whose real name somebody insists is Theresa, was made social secretary.

The club has very spiffy pins of black and gold, with a tiny chain and a guard pin with the letters T. S. M.

The club raised \$140.00 for the September athletic fund by giving a dance, and again demonstrated the superiority of the feminine mind over the masculine, by managing the first dance this year that made a profit!

The final blow-out of the R. F. D.'s for this year will be a dance to bid farewell to the dearly beloved seniors, which will be given at the Registrar's cactus surrounded casa.

THE FLOW SHEET

ALPHA PHI OMEGA



C. Smith Thomas Skidmore Woodside Temple Bacon B. Smith
Daggett Summers Kipp Russell Ragsdale Tharp

ALUMNI MEMBERS

R. W. TIGHE	T. A. DOXEY, JR.
E. C. LYTLE	T. CLEMENTS
R. L. MULLIN	W. E. DICKINSON
K. C. HAMILTON	A. C. WHEATLEY
H. C. VACHER	J. E. CRENSHAW
F. DALE	BEN HOWELL
LEWIS ROBINSON	C. A. SKIDMORE
O. C. CAMPBELL	A. E. MILLAR
JOHN SAVAGE	G. M. SMITH
C. D. FLETCHER	MILTON TOWNER
J. F. BENNETT, JR.	REED WINTERBURN

THE FLOW SHEET

THE ORCHESTRA

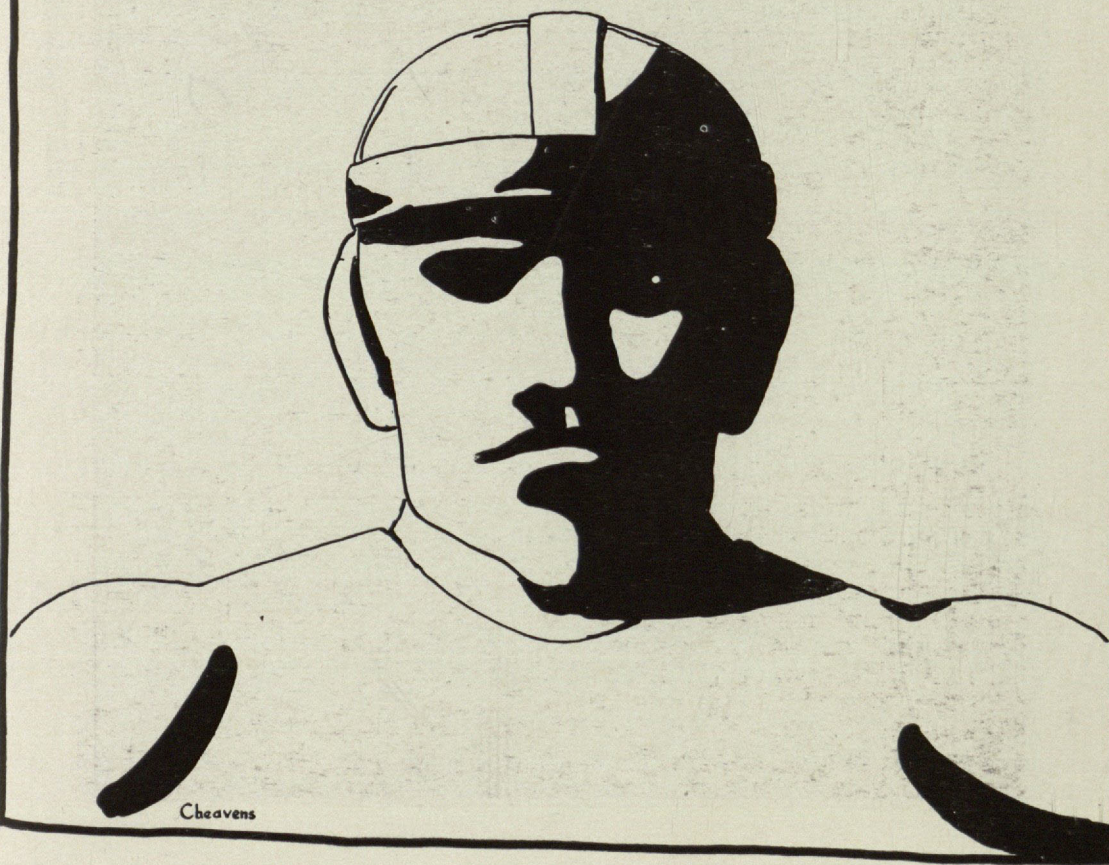


The school dances this past year have been a success for a large part, due to the efforts expended by the above orchestra. The members have the talent, the ability and everything that is necessary to provide the best of music for dancing. We the student body of the College of Mines wish to express our appreciation to each and every member. We hope to have an orchestra all our own in the near future. Everybody pull for some orchestra material next year. An orchestra and a good Glee Club are needed by the school. Help us supply this need.

THE FLOW SHEET



ATHLETICS



Cbeavens

THE FLOW SHEET



FOOTBALL MEN

THE FLOW SHEET

FOOTBALL

With the best efforts of Coach Jack Vowell the 1923 Texas Mines Football team came thru with their most successful season to date. Starting with a small and inexperienced squad, he was able to mold a team that still farther reduced the scores of our opponents in this section below those of previous seasons.

Starting the season against the champions of the southwest, the Arizona Wildcats, and with little practice, we not only held them to a low score, but they were fortunate to emerge with a victory. On the following Saturday we played the University of New Mexico team, which had held the University of Colorado to a close score two Saturdays before. Dame Fortune did not smile on us, and we lost this game by a score of 3 to 0. The following Saturday found us playing New Mexico Military Institute in Roswell, New Mexico. After a hard trip over land thru snow and ice, we were able to hold them to a score of 19 to 7. This game was followed by our annual battle on Armistice Day on our home grounds. We faced the New Mexico A. and M. College, which had the best line in the Southwest. They won from us with a score of 27 to 2. Thanksgiving Day took us to Alpine, Texas, where we met Sul Ross Normal, whom we easily defeated by a score of 54 to 2. In the final game of the season we met the 1st Division team, Fort Bliss, Texas, on our home ground and defeated them decisively to the tune of 25 to 6.

The prospect for next year is that a still better showing will be made against our opponents. As ours is a small school, the above score and showing speak well for the players and the institution.

Arizona Game

With less than three weeks' practice we played the Champions of the Southwest on their home field in Tuscon. For years we have been waiting and hoping to defeat this team, and this all but happened in this particular game, when Walker picked up a fumble in the last half and ran the length of the field for a touch down. Had this game been played later in the season when our offense was better, the story might have been entirely different, for we were able, except in the early part of the first half, to gain as much ground as our opponents. Gregory's playing was the outstanding feature of the game, and he firmly established himself as the best linesman in the southwest.

New Mexico University Game

Too much Jones is the sad feature of this story, for he was the only player on the New Mexico squad that was able to gain enough ground to place his team in a position to score. In the early part of the game he drop-kicked from the 25-yard line and made the necessary three points to win this game for his team. All the breaks in the game were against us, for we gained more ground and twice during the game our men got away for long runs that should have won the game, only to have the breaks go against them. White ran the team well at quarter, and Canon and McKemy showed up well at ends. Mines was lacking the services of Gregory the greater part of the game, he having been injured in the first few minutes of play. This game should have been won without difficulty.

THE FLOW SHEET

New Mexico Military Institute Game

Our next game was played with the Cadets on their home field, who were thirsting to revenge their defeat of the previous season. Early indications forecast that the Cadets were going to have the best team of several seasons. While not coming up to expectations, they were nevertheless able to defeat us by a score of 19 to 7. Our team had to go overland thru a snowstorm for a distance of about 200 miles, which probably accounts for our defeat, the team not being in the best of condition on account of exposure. For the Mines, Haynie, Morgan, and Ragsdale played the best game, while Brookshire, Godfrey, and Cox featured for the opponents.

New Mexico A. and M. Game

Coach Brown and team came to El Paso for their annual battle with us. They had, as reputed, one of the best lines in the Southwest. The Aggies out-played and out-guessed us in all the departments of the game and deserved to win, for they played with the dash and confidence that makes a winning team. Gregory's spectacular playing placed him head and shoulders above every other man on the field. He was in every play and completely out-classed his Aggie opponent. For the Mines, Carson, Canon and Ragsdale showed up well, while, for the Aggies, Wesley, Wills, and Boone played by far the best game.

Sul Ross Game

We went to Alpine for our Thanksgiving game with Sul Ross. Our opponents were reputed to be a strong team but did not live up to their reputation.

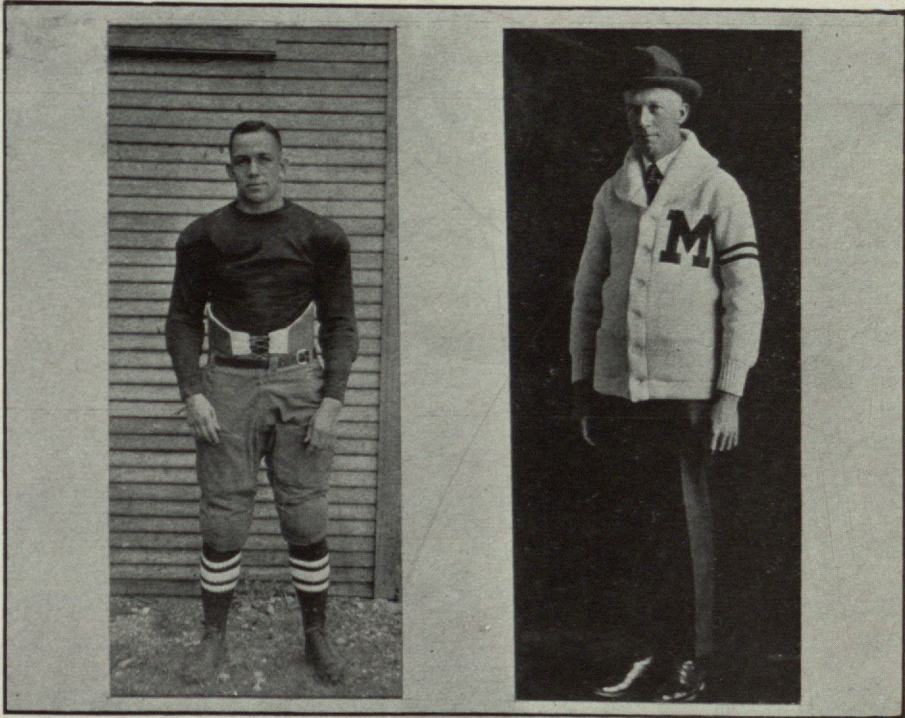
Plunging, passing, and running for long gains were not difficult, the ball remaining in our opponents' territory the greater part of the game. Sul Ross had a light team, which failed to function when they met our driving attack. It would be hard to pick a star in this game, for all the players seemed to hit their stride. Probably Haynie and Carson played the best game for us.

1st Division Game

As has been customary for years, we met the strongest aggregation that Fort Bliss could assemble, which was composed of the best players, mostly college men, stationed there. Showing up well in the first half, our opponents were forced to bow to our superior attacks in the last quarter, when their morale weakened and we scored three touch-downs. We made our first touch-down in the first quarter, and the soldiers retaliated with a touch-down in the first few minutes of the second half; but in the last quarter we gained consistently, which accounts for the final score of the game. The outstanding players for the Mines in this game were Ragsdale, Canon, and Tatum, while Turi showed up the best for the soldiers.

This game was a fitting close for the 1923 Football Season, and was all that could be asked for. Good sportsmanship was predominant thruout the game, and the fans who were present were fully repaid.

THE FLOW SHEET



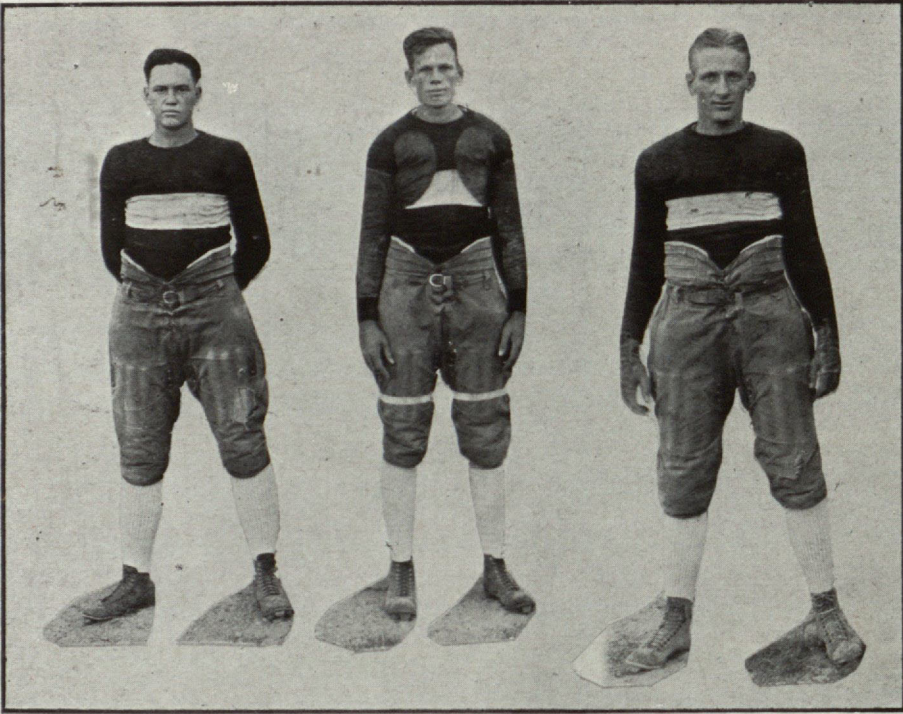
VOWELL

Vowell, as Coach, has guided the destinies of our squad for the past two years. Jack deserves considerable credit for the efforts he has put forth. He has had a good loyal crew to work with.

COFFEY

Jake, our able business manager for the past two years deserves the gratitude and thanks of the entire student body, because it is due to his efforts, that the past two seasons have been so successful. Jake is a tireless worker and always has the school and its welfare at heart. Jake, we will miss you from our midst.

THE FLOW SHEET



TOM WOODSIDE, Captain

Tom's gameness in face of defeat deserves the greatest admiration and respect. He was a consistent player, tho handicapped by frequent injuries, and always did his best, which is the true Miner's spirit. He should be even better next year.

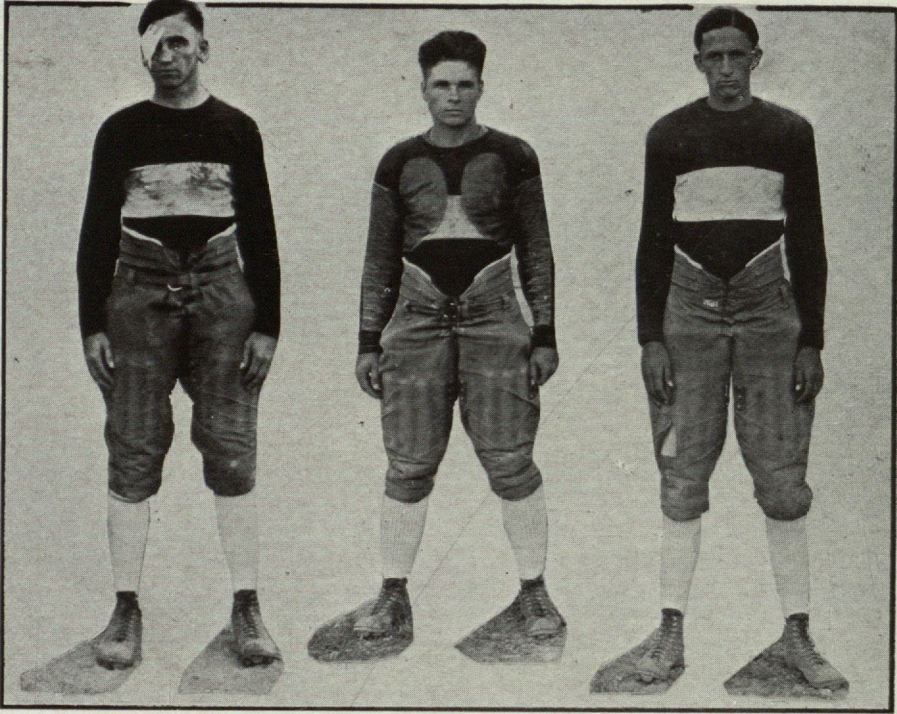
HAROLD (Hank) HAYNIE

Haynie, on account of his ability and all round playing, was chosen captain for the 1924 football team. If he improves as he has in the two previous seasons, he should be one of the best backs in the Southwest. Hank is a versatile athlete, having been a member of the basketball team also.

ROSCOE CANON

One of the best men that the Mines ever produced bears this name. He was a fighter excelled by none and a good consistent player. He will not be back, since he graduates this year, and the loss will be keenly felt, for his fighting spirit was respected by all.

THE FLOW SHEET



TOM WHITE

Fish White is the most consistent football player the Mines has produced in the last four years. Although he was primarily a lineman, he was called upon he fill the position of quarter the past season. He filled each place with honor. Graduation takes him from us, and his loss will be felt.

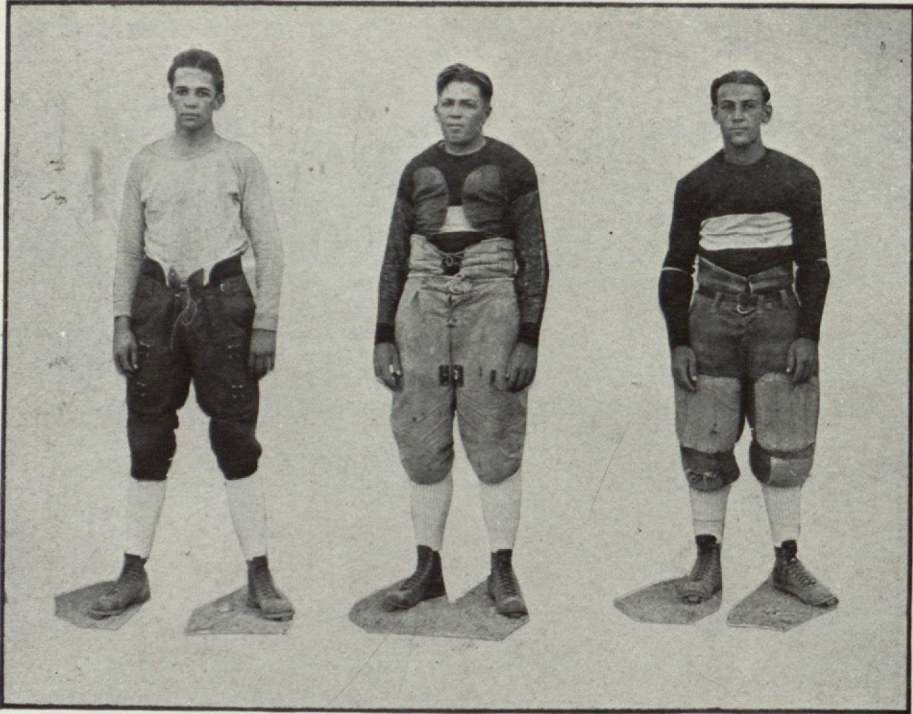
OLSEN

Ole was a good, consistent and hard working player and a man who could be counted on to gain yardage when called upon. He put every ounce of energy he had into the game. Ole deserves much credit and admiration.

JOHNSON

Tom played hard thruout the season and put his heart and soul into every task, which made him a valuable man. With end position open next season, Tom promises to make a strong fight to fill it regularly. He is also captain of next year's basketball team.

THE FLOW SHEET



GOODWIN RAGSDALE (Rags)

Rags was valuable thruout the season as a consistent ground gainer. Tho light he slid thru the holes in the opponents' line and seldom failed to gain yardage. Rags was one of the most consistent men on the field. He will be back next year.

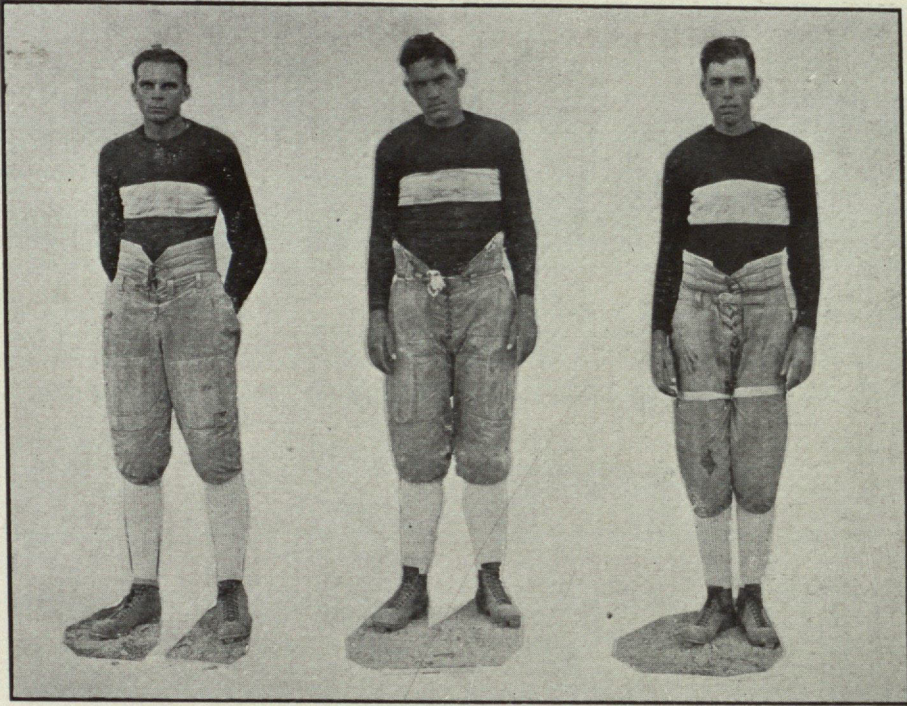
MORGAN

Morgan had a reputation of being a good, consistent player thruout the season, gaining nearly every time he handled the ball. He was fast and his nerve was unfailing. This was his first year with the Mines and we expect to hear more from him in future seasons.

BOB BINFORD

Altho Bob is small, he is full of fight and is noted for his hard and accurate tackling. His presence on the football squad makes it assured that at least one end position will be well filled next year.

THE FLOW SHEET



JENSEN

Jensen has a creditable record for the season. He was in every play, always giving the best that he had to his team and school. He was a hard worker and has demonstrated his ability to hold down tackle efficiently. Basketball is another one of his trumps.

EVANS

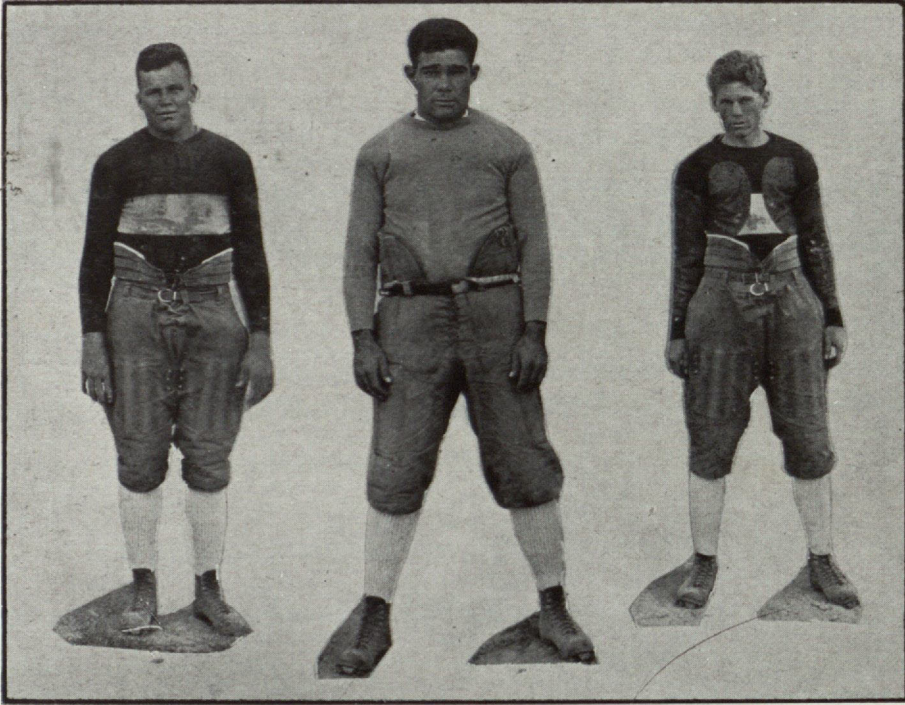
Porky played a good game thruout the season at center. He could be depended on to deliver the goods at all times, and was a hard fighter all the way thru. He has one more year to play and should prove a tower of strength to next year's team.

CLARK

Clark was a good, consistent player, who was in every play and fighting at all times. His nerve was unfailing and he had uncanny ability in sizing up the opponents' plays. This man should prove even more valuable to the team next year.

THE FLOW SHEET

60



CARSON

Carson came to us from Rice and was one of the best guards in the Southwest. Always dangerous on account of his size and his knowledge of football and his determination to put his best into whatever he did, won for Carson honor and respect.

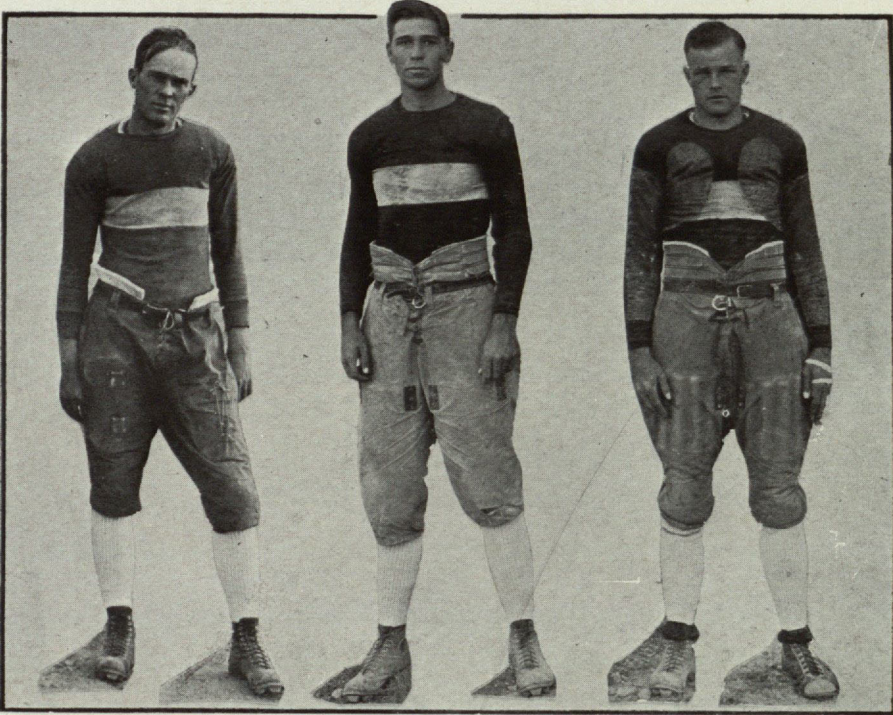
GREGORY

Dangerous because of his fierceness as a tackler, ferocious on account of his fighting spirit, and aggressive on account of hardy construction, Gregory openly defied any opposing team to force an entrance thru the line. He was the best line-man of the Southwest this year.

LIGHT

Jack Light was handicapped thruout the season by an injury to his nose but played a good, consistent game in the back field whenever he was called upon to do so. Judging by his past performances, we can expect more of him next season.

THE FLOW SHEET



McKEMY

McKemy filled one of the wing positions on this year's team, and performed the duty well. He was full of fight and a dangerous man both offensively and defensively. Lots of pep and bull dog grit won for him our admiration.

TATUM (Spud)

Playing his first year of college football, Tatum won the respect of all, and he threw our opponents for many losses. His ability as a kicker gained many yards for us. He should be even better next year.

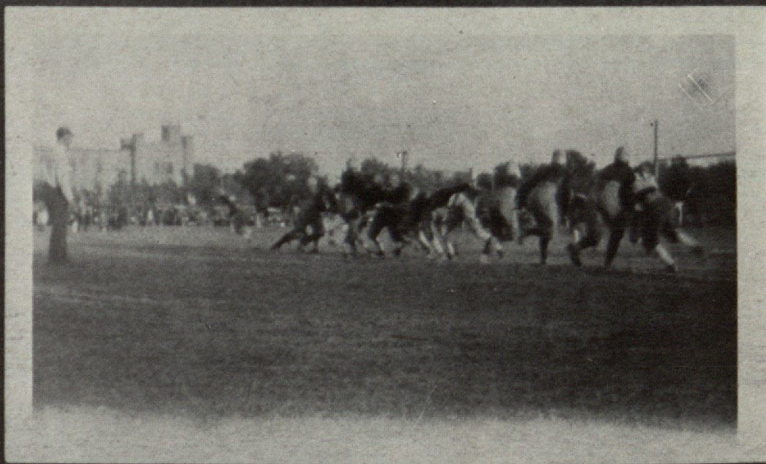
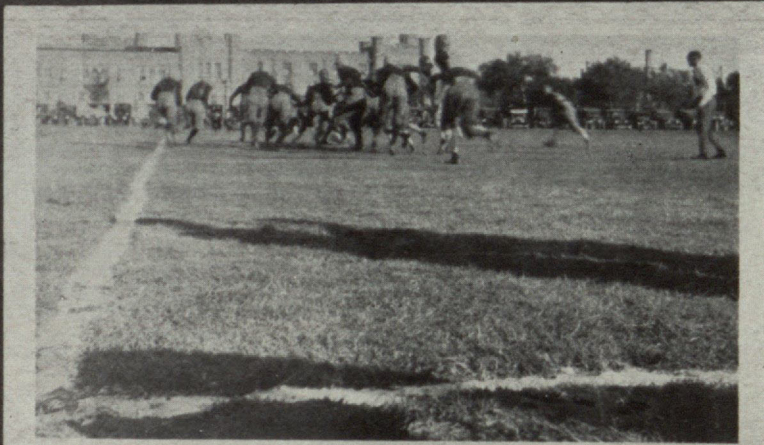
WALKER

Walker came to us from St. Louis and Dame Fortune smiled on us when he came, for he was one of the fastest men in the section. He gained much ground and many yards can be attributed to his good work. He will not be back next year.

WILLIAM BINFORD

Bill was the oldest member of the squad and has always been admired for his grit and determination. He has been thru many hard seasons with us, but graduation takes him from us this year. Billy was a good, game fighter to the last trench.

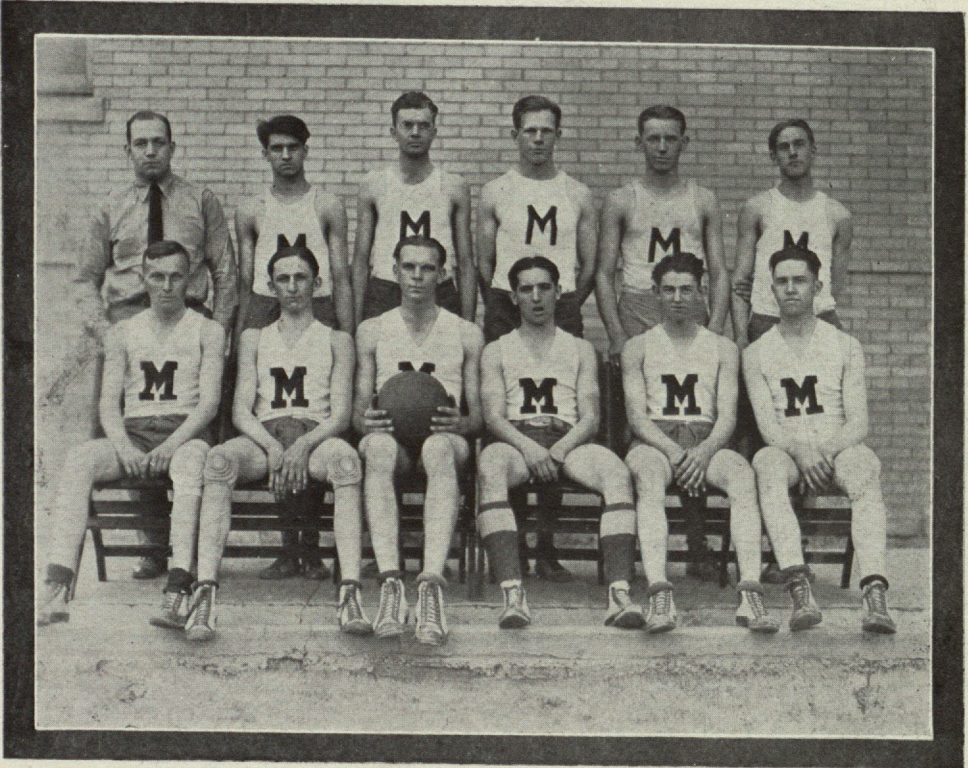
THE FLOW SHEET



ACTION

THE FLOW SHEET

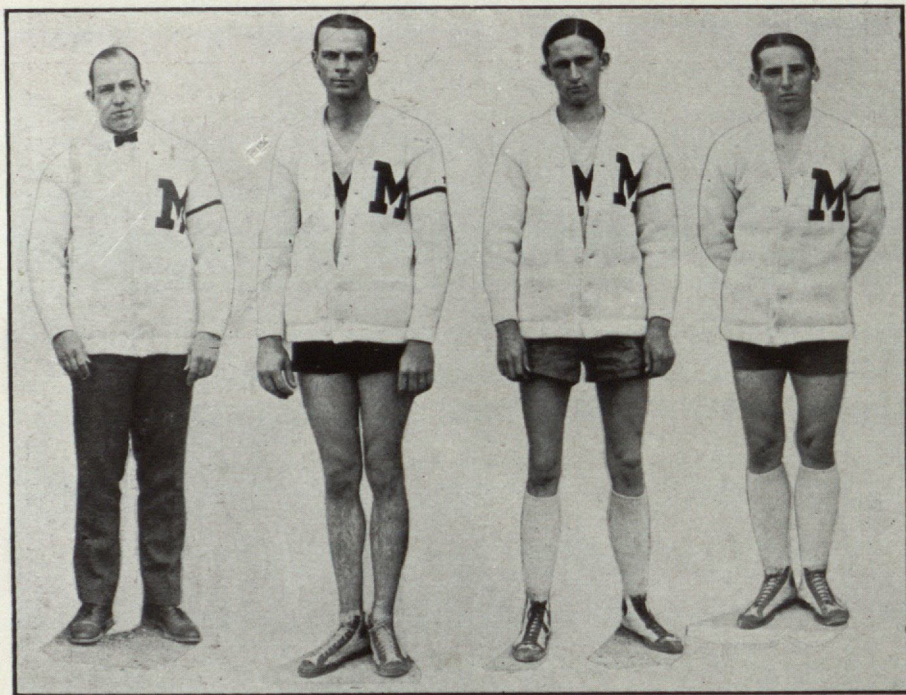
BASKET BALL SQUAD



Handicapped by the lack of a gymnasium, the Mines Basketball team had to depend on a place for practice wherever and whenever a court could be obtained; nevertheless, Coach Vowell succeeded in turning out a very strong team. The wearers of the M made a very creditable showing in the City League, and, although handicapped by playing on outdoor courts, on their trip to Alpine they won two games. Altogether, the season was a greater success than might have been expected.

With the good material that we have, the team should make an even better showing next year. Our greatest need at this time is a good gymnasium.

THE FLOW SHEET



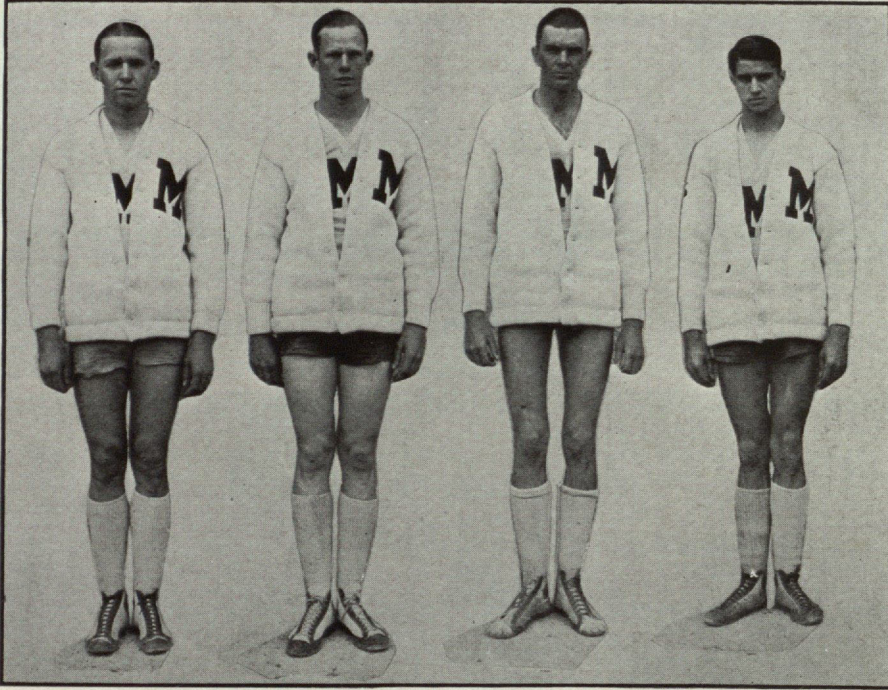
COACH JACK VOWELL. It was a wise move when Vowell was selected to coach the Miners' 1924 Basketeers; for he instilled into the players not only a knowledge of the game, but the true meaning of sportsmanship as well.

L. B. JENSEN, Captain. "Yen" played a strong game both on the offense and the defense at center. His speed and size were used to an advantage throughout the year. This was his second year with the team, and he was picked as the best center in the City League.

TOM JOHNSON, Captain-elect, 1925. Tom played forward, and was marked for his speed, dribbling and pivoting. He was an accurate goal thrower, in addition to fighting hard from start to finish. His all around ability resulted in his election for captain next year.

J. C. HOLFORD. This was Holford's second year at forward for the Miners. He was the smallest man on the squad, but he made up for his lack of size by his speed and fighting spirit. "Gloco" will be with us again next year.

THE FLOW SHEET



OLIVER MAUD. "Buck" is a fighting freshman from Austin. His playing at guard was a feature of the Mines team. He was very consistent in breaking up plays, and was an important factor in keeping down the opponents' score. We will hear from Maud again next year.

HAROLD HAYNIE. "Gila Hank" played a strong game at guard for the fighting Miners. His ability to follow the ball and break up many an opposing play proved him to be a guard well worth mention. "Hank" will be with us again next year.

TURK BROWN. Brown was substituted at forward and center, and played well in either position. He is a hard worker and will always fight to the finish. Brown will be in the Mines line-up again next year.

JACK NELSON. Although this was "Viva La Mexico's" first year at basketball, he proved himself valuable to the Mines aggregation. He was substituted at guard and center, and always played a good game. Nelson will prove a valuable man to the team next year.

THE FLOW SHEET



ACTIVITIES



Cheavens

THE FLOW SHEET

M DAY



The student body has long felt the urge of tradition of mining schools—putting a big M on some rugged mountain side. This year the spirit moved us and as a result—on Wednesday, November 21, 1923, the deed was done. The site selected was the eastern slope of Mount Franklin, our next door neighbor. A surveying crew was sent out the day before to perform the preliminary work, and this was followed by the concerted action of all the student body in really doing the job. The idea of playing hookey somewhat compensated us for the strenuous task of carrying the many tons of lime and water up the slope of Mt. Franklin from the nearest point on Scenic Drive. The lime was furnished by friends of the School and the City furnished us with the necessary water and wagon to transport it.

We were some hungry bunch about one P. M., when Mrs. Nelson, with the help of the co-eds, came to our rescue with an excellent lunch. Three cheers were given them for their thoughtfulness and incidently for the eats, which surely did fit in mighty well with the situation.

Late in the afternoon the seemingly endless task was finished. That night the M was lighted up with red flares and the outline of the giant M was visible for many miles down the valley. The tradition has been established and we hope that it will remain permanently.

The M symbolizes high ideals and we are proud of it.

THE FLOW SHEET

THE GEOLOGY TRIP

After due deliberation, Prof. W. H. Seamon picked out Georgetown, N. M., for the summer work in Geology. September 1st the camp was made near the deserted village of Georgetown. Prof. Seamon conducted the expedition, assisted by Prof. L. A. Nelson and Bert Haig. The students who took the course, R. H. Canon, Tom Woodside, J. C. Holford, Robert Kidd, Sam Hendricks, and Felix Risacher, were all much interested in geology and the work went on smoothly.

Georgetown thrived about forty years ago as a silver camp. Rich silver strikes caused a rush of miners and adventurers to the district and the town grew up overnight. Several saloons, a couple of hotels, and general stores soon established a thriving business. Prosperity continued for several years, when suddenly the silver veins pinched out. Many of the miners and townspeople held on, thinking another strike would be made, but as time passed the people continued to leave and very soon the town was deserted.

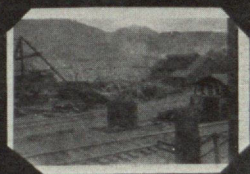
When we arrived at the place we found the ruins of the town left by those pioneers of forty years ago. The main street could still be traced between the rows of trees and tumbling adobe walls. Some of the better constructed buildings were still standing. They looked very much as though they were waiting for the return of their townspeople. The old town was situated in a deep valley, with high hills on all sides mounted with steep cliffs. The valley resembled the Valley of the Doones. Upon entering Georgetown valley, the sight of the crumbling town, the piles of rock taken from the prospect holes and the timbered slopes of the hills mounted with their steep cliffs, all conveyed to the student an air of mystery and adventure which made him glad he was studying mining.

Our work began by our transferring a level from Fierro to Georgetown. Fierro is a small town about ten miles across the mountains. The elevation of our camp was found to be 7225 feet. A base line was established and triangulation stations were erected at all the conspicuous points on the horizon. There were two students in a party and each party was assigned a section of the valley to map with a plane table. The map was made with 25 ft. contours and showed all dikes, contacts, outcrops, prospect holes and streams. At the end of the month the sections were joined and plotted on a large map. The last few days of the month were spent visiting mines in the vicinity of Santa Rita, N. M., and Chino Copper Company's mill at Hurley, N. M.

Everyone enjoyed the trip. The camp site was excellent. There was plenty of good drinking water, and apples, peaches, and grapes were to be had for the picking from the vines and trees which the early miners had planted.

To any student who would like to study geology where he can see it and also take a vacation at the same time, we would suggest that he take this geology course, which is offered by our school each year from September first to October first.

THE FLOW SHEET



Geology Trip



September 1923



THE FLOW SHEET

COLLEGE DANCES

The usual three traditional dances were given by the Miners this year. The annual football dance was given at the close of the football season in the Sheldon hotel dining room and was attended by a very large crowd of the miners and their friends. Orange and white streamers decorated the hall and favors of serpentine, confetti, horns, rattles, whistles, balloons and just about everything there was to get were distributed between the dances and played with during the dances. The faculty played chaperones to everyone's satisfaction.

St. Patrick's day, always sacred to mining engineers, was observed with the annual St. Pat's dance, which was also given in Hotel Sheldon. Real Irish green was of course conspicuous in the decorations, of which shamrocks and the Miners' pennants were an important part, were well placed so that everyone would know who was celebrating. Each man upon arrival was given a shamrock to wear in his coat lapel, and there were enough favors distributed to make the affair look like a Kress' store Christmas sale. The chaperones were the faculty members and some of the parents of the co-eds, and representatives of the Sponsors Club.

Never to be forgotten was the hard luck dance and the sights the dear little miners presented! The miners' costumes surely settled the question of keeping up our rep for exclusiveness. Shut the doors on the mob and gee how they want to get in! Anyway Lloyd was there with his sure enough digging clothes, and everyone else was trying to rival him, so it was sure some show! To add to the interest a wild west setting was provided, with the now obsolete (?) games of roulette, faro, chuck-er-luck, stud and other stunts provided to while away the time. The punch was served from an old time bar, brass rail and all, though there wasn't any spike in the liquid. The co-eds and sweeties of the miners surely looked sweet in gingham and calicoes and the affair was one grand success in every way.

The M Club sponsored the dance, with the committee including Tom White, Tom Johnson, Tom Woodside and Jack Light, just to change the Tom monopoly. The dance was given on the roof garden of the University Club, with some of the dance taking place in the regular ball room too, and everyone shook a mean ankle and had one grand time!

THE FLOW SHEET



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THE FLOW SHEET

AN ACKNOWLEDGMENT

We wish to thank the people of El Paso for the wholehearted support they have given the management of this publication. The cooperation we have received is indeed gratifying and highly appreciated.

Advertisers, we thank you for your support. But for your assistance, this publication would have been impossible. You well deserve the united support and good-will of everyone whom the Flow Sheet may reach. We, the students of the College of Mines, will do all in our power to show you our appreciation.

Professional men, we thank you for the moral and financial support given us. You have shown us that we may depend upon your friendship, that you are willing to help us build up a bigger and better College of Mines in El Paso. We certainly appreciate your efforts.

Last, but not least, we wish to thank the various organizations, firms and individuals whose names do not appear on these pages, but who, nevertheless, have given us every consideration and have helped to make the 1924 Flow Sheet a better annual.

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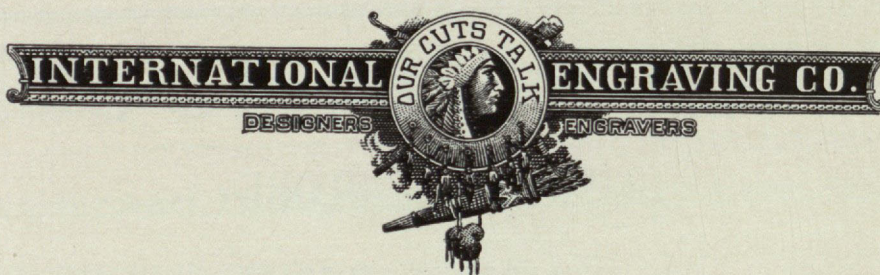
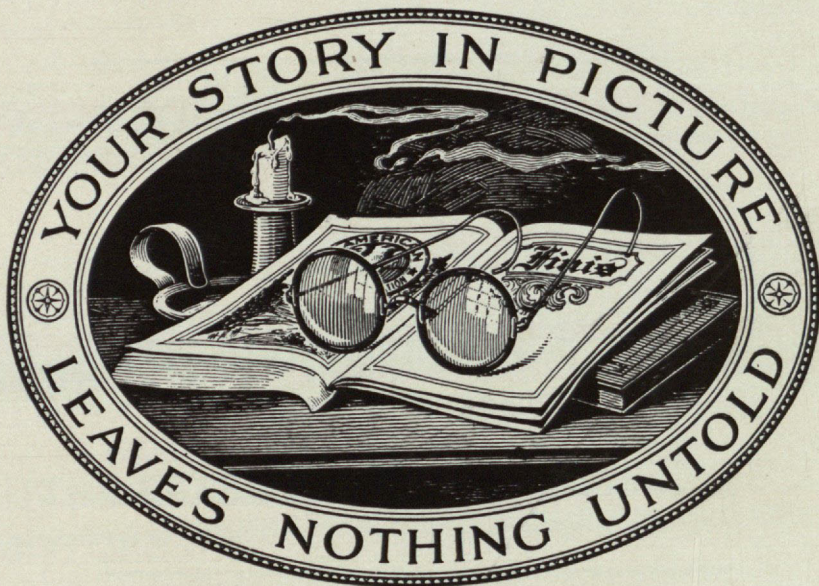


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Professor (lecturing on the rhinoceros): "I must beg that you give me your undivided attention. It is absolutely impossible to form a true concept of this herbivora unless you keep your eyes fixed on me."

Mr. Gassam—Yes, I suppose I can claim to be a financial success, and just think. I started business with a shoe string.

Miss Green—Mercy, it's genius. A man who could get anybody to buy one shoe string couldn't help but succeed.

Alice for the first time saw a cat carrying her kitten by the nape of its neck. "You ain't fit to be a mother," she said scathingly. "You ain't hardly fit to be a father."

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"The rapidly increasing divorce rate," remarked the newcomer," proves that America is fast becoming the land of the free."

"Yes," said the friend, "but the continuance of the marriage rates shows that it is still the home of the brave."

Teacher: "Johnny, what are the two genders?"

Johnny: "Masculine and feminine. The masculines are divided into temperate and intemperate, and the feminine into frigid and torrid."

Parent: "What is your reason for wishing to marry my daughter?"

Young Man: "I have no reason, sir; I'm in love."

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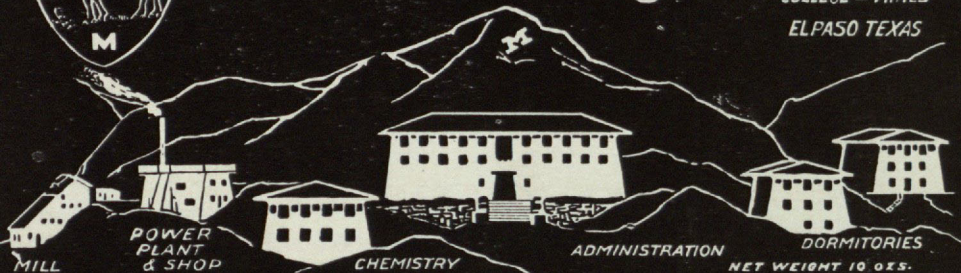
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Scandalized Judge (to enraged attorney): "Silence. I fine you five dollars for contempt of court."

Enraged attorney (planking down a twenty-dollar bill): "Five dollars doesn't begin to express my contempt for this court."

A Hebrew visited the headquarters of a certain K.K.K. organization. Before he could speak the attendant remarked: "Sorry, but the K.K.K. can't take your application."

"Vy not?"

"It doesn't admit Jews."

"Oy," said the visitor, "I only want to apply for the contract to furnish you people mit night shirts."



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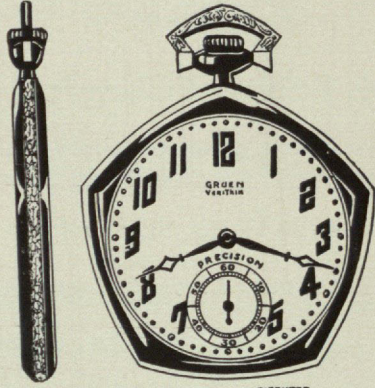
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Father: "So the fable goes; but the colleges today do it with a sheep's skin."

Mother: "Where does that child get its temper? Not from me, surely."

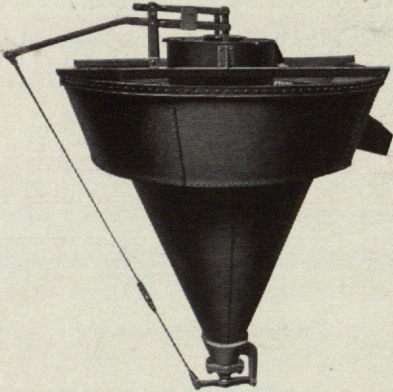
Father: "No, none of yours is missing."

This is the way to write a thoroughly angry business letter: "Sir—My typist being a lady, can not take down what I think of you. I, being a gentleman, can not write it. You, being neither, can guess it all."

Roommate: "What was the idea of trying to kiss me when the lights went out?"

Roommate: "Force of habit, old dear."

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"Le Roy, should James have said wunst?"

"No'm, he should have said twict."

—o—

The daughter of a certain strict-principled old deacon had attended a dance the previous night, much against her father's wishes. When she appeared for breakfast the next morning, he greeted her with the words: "Good morning, daughter of Satan." To which the maiden respectfully replied: "Good morning, father."

—o—

The good looking generally die young.

—o—

Headline—"Scientist says 90 per cent of girls who marry are working girls."
That is true enough, as far as it goes. But he neglected to say that a hundred per cent of the girls who marry are working men.

—o—

A young man with a pretty but flirtatious fiance wrote to a rival: "I hear that you have been kissing my girl: Come to my office at eleven Saturday; I want to have this out."

His reply was: "I have received your circular letter, and will be at the meeting."

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