

THE MONTANIAN

'07-'08



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The Montanian

'07—'08

VOLUME II



PUBLISHED ANNUALLY BY THE

Junior Class

of the

Montana State College of Agriculture

and

Mechanic Arts

PLATES BY
STAFFORD ENGRAVING COMPANY
INDIANAPOLIS, IND.

PRINTED AND BOUND BY
NICHOLSON PRINTING & MFG. COMPANY
RICHMOND, IND.

To
The Blue and the Gold
and its loyal adherents
we inscribe this
our
Junior Annual



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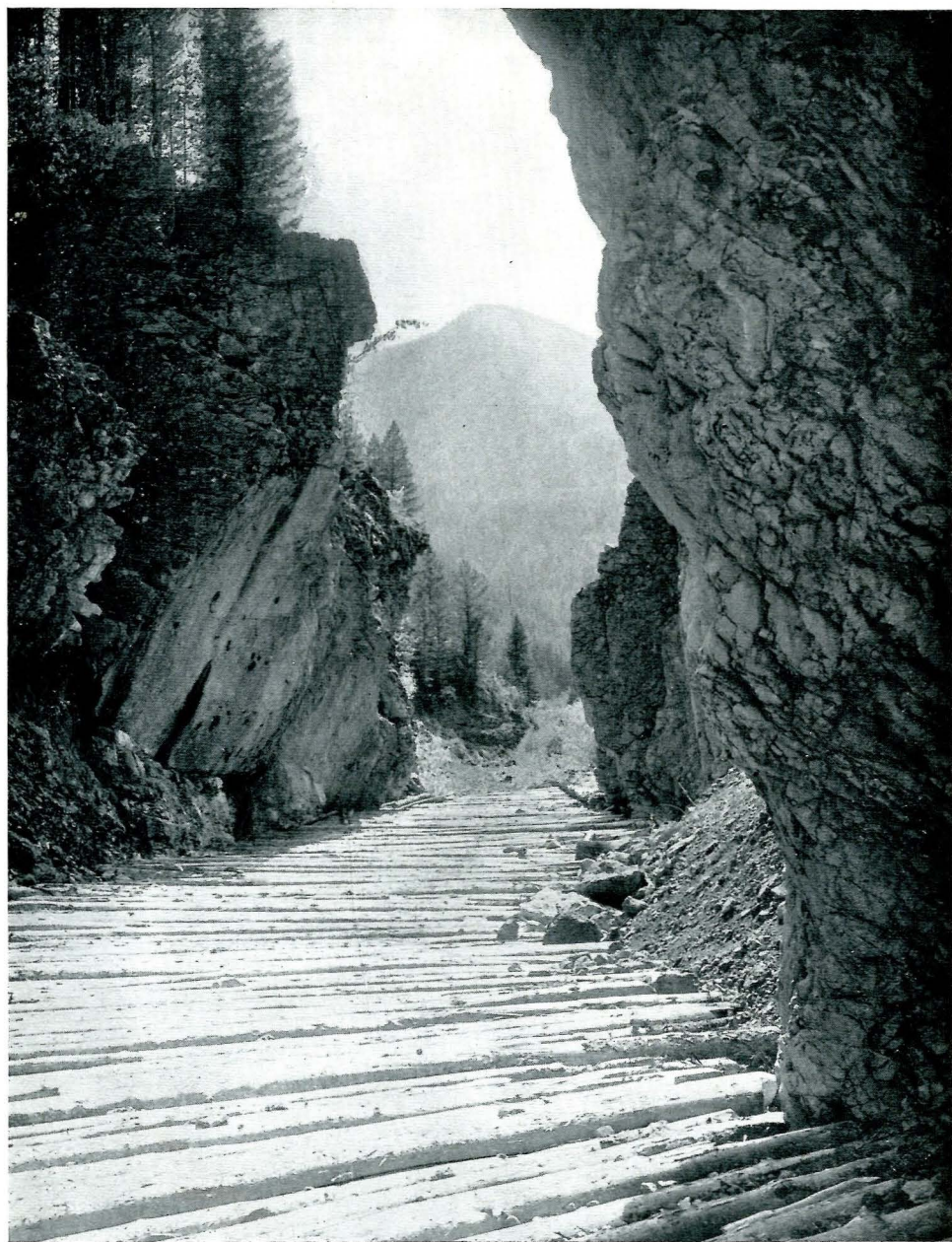


Presentation



IN HANDING this book to you we are conscious of its many imperfections. But, if pleasant memories are brought to mind years hence in turning its pages, we shall consider our work of some worth after all. With this in mind, we beg that you be lenient in your judgment of the result of our efforts, and trust that the classes following us will profit somewhat by our experience.





MYSTIC LAKE GORGE.

Montana State Board of Education

Governor—EDWIN C. NORRIS, (ex-officio) Chairman, Helena
Attorney General—ALBERT J. GALEN (ex-officio), Helena
State Superintendent—W. E. HARMON, (ex-officio) Secretary, Helena

By Appointment

O. P. CHISHOLM, Bozeman
SIDNEY D. LARGENT, Great Falls.
G. T. PAUL, Dillon
CHAS. N. KESSLER, Helena
JOHN M. EVANS, Missoula
CHAS. R. LECNARD, Butte
O. W. McCONNELL, Helena
E. O. BUSENBERG, Lewiston.
B. T. HATHEWAY, Clerk of Board, Helena

EXECUTIVE BOARD

In Charge of College and Experiment Station

WALTER S. HARTMAN, President
E. B. LAMME, Vice-President
GEORGE COX, Secretary and Treasurer
JOHN M. ROBINSON E. BROOX MARTIN J. H. BAKER

Calendar

1907

Second Semester begins.....8:30 a. m., Monday, Jan. 28
Washington's Birthday, a holiday.....Friday, Feb. 22
School of Agriculture and Practical Mechanics ends Friday, March 29
Arbor Day.....Tuesday, April 16
Visitor's DayFriday, May 10
Examinations begin.....9 a. m., Monday, May 27
Decoration Day, a holiday.....Thursday, May 30
Baccalaureate Address.....Sunday, June 2
Music Recital.....Monday, June 3
Preparatory Department Graduation.....Tuesday, June 4
Commencement Day.....Wednesday, June 5
Registration and Examination for Entrance and Conditions,

Monday and Tuesday.....September 9 and 10
First Semester begins.....Wednesday, Sept. 11
School of Agriculture and Practical Mechanics begins Tuesday, Oct. 22
Thanksgiving Recess begins.....Thursday, Nov. 28
Winter Vacation begins.....Saturday, Dec. 21

1908

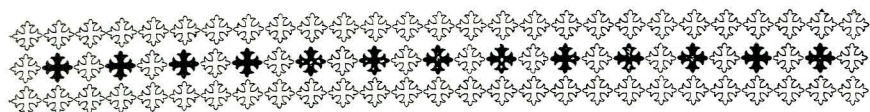
Winter Vacation ends.....8:30 a. m., Tuesday, Jan. 7
Examinations begin.....9 a. m., Monday, Jan. 20
First Semester ends.....Saturday, Jan. 25
Second Semester begins.....8:30 a. m., Monday, Jan. 27
Washington's Birthday, a holiday.....Saturday, Feb. 22
School of Agriculture and Practical Mechanics ends.....Friday, April 3
Arbor Day, a holiday.....Tuesday, April 21
Visitor's Day.....Friday, May 8
Examinations begin.....Monday, May 25
Decoration Day, a holiday.....Saturday, May 30
Baccalaureate Address.....Sunday, May 31
Music Recital.....Monday, June 1
Preparatory Department Graduation.....Tuesday, June 2
Commencement Day.....Wednesday, June 3



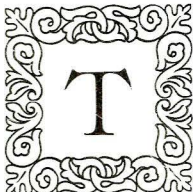
PRESIDENT HAMILTON



COLLEGE HALL



History of Montana State College for 1907

HE year 1907 will remain memorable in the history of the college for the inauguration of a new policy on the part of the state legislature toward the college, by which the state appropriations for its benefit were increased far beyond any preceding figure; and for the passage by Congress of the Nelson amendment, by which the national appropriations for the college in the course of the next five years will be absolutely doubled. The increased appropriations by the state makes possible the first considerable addition to the buildings of the college since its initial equipment; and the increased appropriations by Congress will make it possible for the college to increase its scientific equipment, and teaching staff in proportion to the demands of the increasing attendance. It is not the policy of the college greatly to enlarge its present scope.

The last legislature assembly of Montana showed a great interest in the college. Through the efforts of President Hamilton and Director Linfield, figures were prepared and presented to the legislature which showed that Montana had been lagging behind her neighbors in the support given to the state schools. Hon. Walter S. Hartman, of the Executive Board, and other well known citizens urged the claims of the college upon the legislature and the Governor. Through the efforts of the Galatin Valley Club, headed by President H. L. Casey, the legislators were persuaded to undertake a trip to the college to see for themselves the possibilities and needs of the college. They landed in Bozeman in the darkness of early morning on Saturday, February 2, 1907, about the stormiest and most disagreeable day ever known on the college hill.

But in spite of the discouraging storm and though they made the occasion something of a frolic, they studied the college thoroughly. The legislators came, they saw and they were conquered. The college got practically everything it asked for. The state appropriations made for the two years, 1907 and 1908, were more than for the whole history of the college prior to those years. The maintenance appropriations for

the college and experiment station were doubled, and \$80,000 was appropriated for a new agricultural and domestic science building, now under way, and to be ready for occupancy in September, 1908.

A few days after this, came the word that Congress in the closing hours of the session had passed the Nelson amendment by which the annual appropriation for the college was to be advanced \$5,000 each year until the total appropriation for the college should reach \$50,000, just double the former amount.

In honor of the appropriation by Congress, and especially of the appropriations by the legislature, Monday, March 14, was set apart for a jollification. A special assembly was held, and then a procession of faculty and students marched through the streets of the city calling upon the members of the Gallatin legislative delegation and thanking them and other citizens for their aid.

The changes in the internal affairs of the college have not been numerous. In January, 1907, Prof. R. W. Clark began work in the newly established department of Animal Industry, to which he had been elected a few months earlier. In June, Mr. A. P. Anderson resigned the position of Instructor in Civil Engineering, and was succeeded by Mr. R. D. Kneale, with the title of Assistant Professor. During the summer, Prof. V. K. Chestnut resigned the professorship of Chemistry to accept a position with the Agricultural Department at Washington. Prof. W. M. Cobleigh, of the Department of Physics, was put in charge of the Department of Chemistry for the year. In September, Mr. Wyatt W. Jones resigned his position as instructor in Biology, to become principal of the Teton High School. M. H. Spaulding, a graduate from Leland Stanford Jr. University, is Mr. Jones' successor. In October, Mr. Charles E. Mollett was chosen to take charge of the newly organized department of Pharmacy. In June, Prof. F. Arthur Oliver, of the Department of Music, was given a year's leave of absence for study and travel in Europe. Miss Arabella Barnes, a graduate of the Wooster Conservatory, was chosen to take his place for the year.

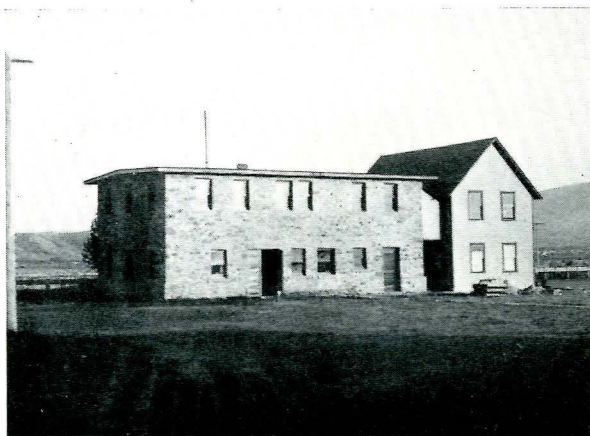
The most important new departure in college routine was the inauguration of the semester "round-up." History does not record the name of the inventor. Briefly stated, its purpose is to bring up all delinquent students "on the carpet" about the sixth week of each semester. This device has proved very popular—with those who had nothing to fear.



COLLEGE FROM THE NORTHWEST



CHEMISTRY BUILDING



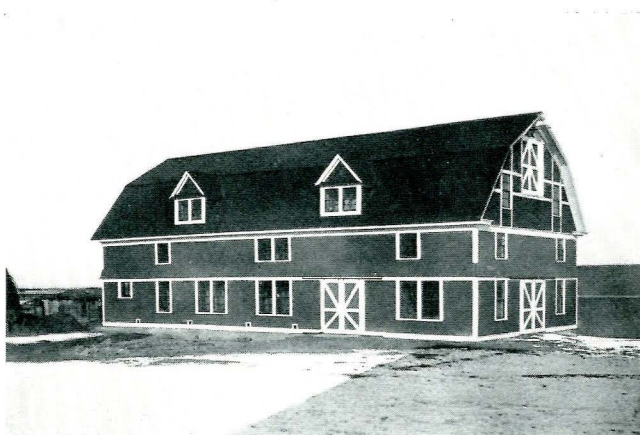
ELECTRICAL LABORATORY



SHOPS



EXPERIMENT STATION



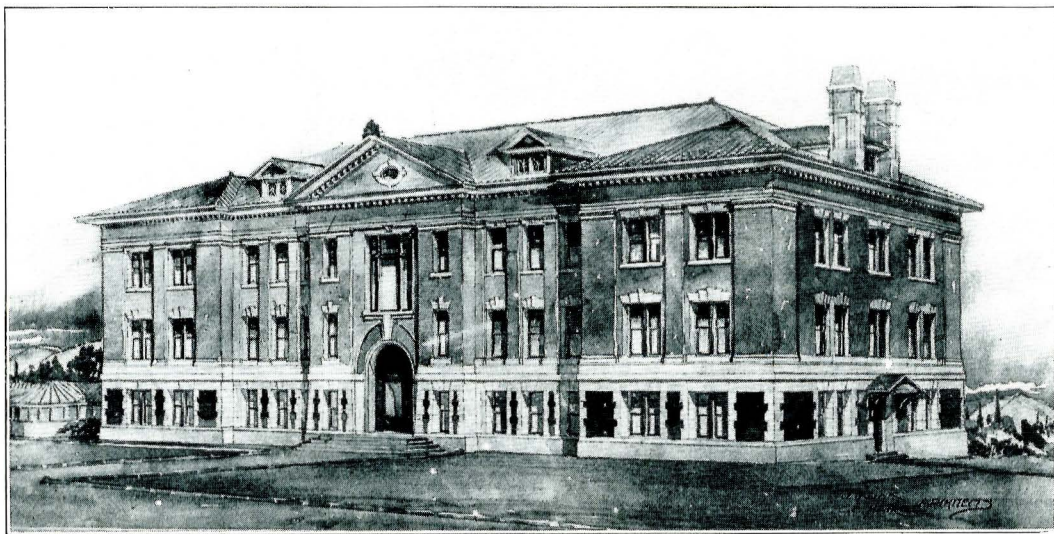
HORSE BARN



COW BARN



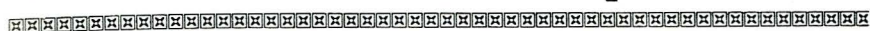
DRILL HALL



AGRICULTURAL AND DOMESTIC SCIENCE BUILDING

TO BE COMPLETED 1908

With the Various Departments



SCIENCE

BOUT three hundred years ago a new method of studying science was given to the world. It is now generally known as the scientific method. The development of science since the middle ages has been so greatly indebted to this method and it is such an important factor in properly teaching all branches of science that it is very desirable that the chief characteristics of the method be thoroughly understood. If we analyze the methods of the early Grecian philosophers and contrast them with those of scientists today, it becomes apparent that the scientific method is defined, in part at least, when we say that its chief characteristics are, "open mindedness and a desire for truth."

In consequence, scientific opinions are based on observed facts and not upon hearsay merely. It is not always possible for one to verify all his conclusions by his own experiences or by direct observations. Much of the knowledge a person uses must, of necessity, be the result of the experiences of others. However, it is always possible for the scientist carefully to differentiate between those opinions he holds as the result of his own observation and those he has obtained from evidence that comes to him indirectly. This discrimination is very essential to the successful scientist. It is manifestly true that this same capacity should be cultivated by all people, not only when dealing with problems of science, but also when forming opinions about religion, politics, and the social sciences.

It is apparent that the scientific method finds application in other fields of work and the student of science in college receives the benefits peculiar to that subject just so far as he absorbs a true scientific spirit.

It is the duty of the science departments of a technical school like ours to surround the students with such influences as will cultivate habits of thought and action which are in accord with the principles of the scientific method. To establish this condition of affairs, the instruction must be genuine in every particular. The student can very quickly form accurate judgment concerning the genuineness of any system of instruction. In this connection it is safe to say that the method which usually appeals to the student the most, is one where the teacher does not attempt to force his own conclusions and beliefs, but rather presents the facts as he sees them and then gives the student every opportunity to form his own opinions. In this, the guidance and help of the teacher may often be needed.

The student who is given practice in forming scientific opinions, based on observed facts, and who approaches each problem with a desire for truth and an open mind, is cultivating a true scientific spirit.

Even in a technical school many of the best students should be attracted to the study of pure science for the sake of science itself. However, most of the science subjects are taught, necessarily, as prerequisites to studies in the technical courses. The benefits to be obtained by the student of applied science, either in Agriculture or Engineering, will depend, to a very large degree, upon the foundation that has been laid in the study of the pure science subjects of his course.

The students of this institution should feel proud of the fact that those in authority, throughout the history of the college, have insisted that the fundamental sciences upon which the technical courses are based, should be well supported and that the instruction in these lines should be thorough and genuine. The excellent equipments in biology, chemistry, physics and geology give abundant evidence of the desire to make these subjects fulfill their true part in the kind of learning this college attempts to impart. As to the efficiency of the instruction given, each individual student can decide for himself by measuring his own progress and development under the system of science teaching which prevails in this institution.

AGRICULTURE

Perhaps the work and aim of the agricultural department of the college can best be described by calling attention to the plans and development of this department during the past five years. At that time the department had an existence largely in name only. Its buildings, live stock and equipment were not equal to what a good farmer would consider necessary to his success, and there were not enough men at the head of the work to do properly what was expected of them.

In building up this department two main objects have been kept in mind: first, to provide men, specialists in the various phases of agriculture; and second, to provide buildings, live stock and equipment adequate for the work to be done.

This is the age of the specialist; even the successful farmer has to specialize. He is a grain farmer, a dairyman, a sheepman, a cattleman, a hog raiser, or a gardener or a fruitman. The agricultural teacher and investigator must, of necessity, meet the farmer on his own ground, if he is going to succeed, then he must also be a specialist.

The three primary divisions of the agricultural work are: agronomy or field agriculture, animal industry, and horticulture. The first addition to these would probably be dairying, from the animal industry; next agricultural mechanics, from the agronomy department; and forestry,

from the horticultural department. These departments of the agricultural work are what may be called units, and the expansion from this will be in these departments, by the addition of assistant helpers.

Another thought in the organization was the division of the lines of work to be undertaken. At the head of the college work in agriculture is a department of research, the Experiment Station, which has a separate staff of workers with a separate head known as the Director, who is charged with the responsibility of so using the funds placed at his disposal, and so organizing the working force as to accomplish the largest possible amount of accurate work in original investigations in the agricultural field; and to seeing that the facts worked out are presented clearly and comprehensively to the people.

The Experiment Station is endowed with funds given especially for its work. From the U. S. Government \$24,000 is received each year and this in three years becomes \$30,000. From the State \$7,500 is obtained for maintenance; \$4,000 for dry farming experiments and \$1,500 per year for horticultural work. In addition to this, about \$6,000 per year is obtained through co-operative work undertaken with the railways, with the U. S. Department of Agriculture, and with communities in the state; and about \$5,000 is obtained from produce sold from the farms. The whole making about \$48,000 per year. This is nearly three times the income of the Experiment Station six years ago.

The next division in the agricultural work is the college department of agriculture, through which it is aimed to reach and educate along scientific and practical agricultural lines the young people who come to us for such information. The college takes the facts of scientific agriculture as elucidated by this and other experiment stations of the world and moulds them into pedagogic form for the information, training and development of the students.

The next division in the agricultural work is the college department is grouped under the head of Agricultural Extension, through which it is endeavoring to bring the work of the Experiment Station and the college in a clear and practical manner home to the people of the state. Through correspondence in answer to inquiries for information, through the Farmers' Institute work, popular bulletins on practical agricultural topics, farmers' reading courses, rural school leaflets, etc., the latest facts and the best practices in agriculture are brought into the homes of all the people who ask for information and help.

With the organization worked out and the direction of our endeavors laid down, the next thought was to provide the equipment and buildings necessary to make the plans possible. When funds are dependent upon popular support and the amount available is limited, very careful planning has to be done to get needed buildings and equipment,

and often an indirect rather than a direct route must be taken to get to the point aimed at.

The leaders in thought and endeavor in Montana believe in agricultural education and in the potentiality of a strong agricultural department in building and developing the agriculture of the state. The line of least resistance, therefore, was towards providing live stock and live stock buildings. Thus a dairy building, a granary, a cattle barn, a hog house, poultry buildings and a horse barn have been built, and finally an agricultural building provided for. Had an additional \$7,000 voted by the legislature, but lost through an error of a clerk, been available, a steer feeding and a sheep feeding barn would have been provided, thus completing the immediate needs of the agricultural department.

The purpose of this organization and equipment from the college and agricultural extension standpoint, is to provide thorough and efficient instruction in the special problems of Montana agriculture. From the standpoint of the Experiment Station, the purpose is to add year by year to our knowledge and control of the forces that make towards larger and more economic results in farm practice.

The Montana station is putting the weight of its funds into the creative or improvement side of the agricultural problem. We are endeavoring to find the kind of grains, forage, crops, fruits, trees, etc., best suited to Montana conditions on the irrigated or non-irrigated lands, also the best methods of soil management, cultivation, irrigation, etc.

Next we are endeavoring to find how to best utilize the fodders and grains in feeding all kinds of live stock, and then trying to improve those animals so as to make them more efficient machines for economic productions.

On the defensive or protective side of the work, we are studying the insect pests and plant diseases that injure or destroy the farmer's crops; and also how to control, prevent and cure the evils resulting from use or abuse of irrigation water. In the near future we plan to take up the study of the diseases that affect the live stock of the farm.

This, in a general way, presents the work and aims of the agricultural department of the college. Those who would wish for a more thorough knowledge will find it in the publications of the college and Experiment Station.

ENGINEERING

SELECTING AN ENGINEERING EDUCATION

The young man who has completed his course in the high school, has reached a point in life when it is necessary for him to decide upon the next step in his future. Should he turn his attention to the trades,

environment will undoubtedly have done much to assist him in making the selection; if, however, he desires a higher education, he often finds it difficult to decide just what course to pursue. We find many parents desiring that their sons shall follow some one of the professions, prompted by the mistaken idea that it is more honorable to earn the living with the brains than with the hands, regardless of the results to which the brain action may lead. In Europe, and especially England, this feeling has become a part of the national life, with the sure result of forming class distinction. The young American should early realize that that which has made his country what it is, has been the ability of our forefathers to think and act for themselves. No greater honor can be paid to our people, when in foreign lands, than the fact that they can be recognized by their mental bearing and ability to think and act for themselves. Although a higher education is something after which all men should seek, yet it should not be obtained at a sacrifice to the thought that all honest labor is both honorable and ennobling. It is far better for the American boy to stand high in some trade, which requires the daily use of his hands to perform, than to be some itinerant doctor, lawyer or engineer. It is far better to look back upon a life's work well performed with the hands, than to view with regret a dishonest and poorly performed life of mental service.

The young man who enters the engineering profession, with the thought that he will always work with clean hands and a laundered shirt, has a wrong conception of the profession. Although the profession requires that he must always have "clean hands and a pure heart," the thought is in the moral sense alone. His profession will require the use of head, hands and feet. He must master himself before he can control others. He must learn to obey if he desires to be obeyed.

The student entering the profession should, first of all, fix his ideals high. He should never be alone content with obtaining an ability to survey. Surveying is but the A-B-C of engineering, and he who learns no more, occupies to the profession the same position that the school boy of the first grade occupies to the common school education.

The would-be engineer must also realize that the engineering professions are the most difficult of all professions to master. He will ever occupy the position of student to the great teacher, Nature, to whom he will ever turn for instruction. His term of study will cease only when his tired eyes close in their last great sleep. His text book will be Nature's own, and will ever be open to him, yet, as he turns the leaves, he will ever find new pages constantly being presented to his astonished gaze.

The young man entering the profession should realize at the start, that the sloth has no place here; and that when once commenced, the

labor must be continuous, else he will soon find himself outdistanced in the race. One of our Presidents has said, "The Civil Engineer should be and generally is a man of broadest education, and should be encouraged to enter public service, as his profession ever teaches him the value of strict honesty and the fallacy of dishonesty."

Many fields are open to the engineer, and at the present time and for years to come, there will always be room for all who qualify. New fields are ever presenting themselves, and the public demanding specialists in minor branches of the profession. Our best paid men are those who have made a special study of some one line. We find among such the specialist in hydraulics, irrigation, power development, concrete construction, machine construction, electric power transmission, etc.

Civil Engineering, the mother of the engineering professions, to-day, as ever in the past, is the source from which has sprung the children, Electrical and Mechanical Engineering. As the years roll by, the grandchildren are being named; we find among such Sanitary, Structural, Road, Railway, Telephone Engineering, etc. The young man who enters the profession, makes no mistake if he early decides to specialize. The path may seem steep and narrow at first, but the future has greatest promise.

In selecting the profession, the young man should realize that many branches are and ever will be tied to corporation control, while others offer an open field. If the young man desires to work for salary all his life, all of the branches offer excellent openings. If, on the other hand, he prizes his independence, he should look over the list of engineers and ascertain in which profession independence is to be found. The young man makes a mistake if he takes one of the engineering courses and attempts to follow, in practical life, the work of some one of the other courses. He ever finds himself upon an unequal footing with his associates. Nothing takes the spirit out of a man quite so quickly as, when attending for instance a meeting of electrical engineers, and when called upon, he finds it necessary to advise that he has been educated as either a civil or mechanical engineer, although at the present time following the electrical profession. Nothing is more destructive to his progress than to switch from the one to the other professions. The professions are advancing too rapidly for any one man to keep pace with any two of the branches of engineering, and if he attempts it he will soon find that he is proficient in neither.

The young man who, in college, spends the time to obtain diplomas from two engineering professions, makes no mistake; the study gives him additional strength and more confidence in himself. After graduation he should take one path and follow that, and circumstances will generally point the way.

The Faculty

“Experience is an arch wherethro’
Gleams that untraveled world, whose margin fades
Forever and forever when I move.”

ENGINEERING



EBEN TAPPAN TANNATT, B. S.

Professor of Civil Engineering.
B. S., Washington State College, '98.

Passed examinations before U. S. Engineers, commissioned by President McKinley Lieutenant of Engineers and served through Spanish-American War.

GEORGE BROWN COUPER, M. E.

Professor of Mechanical Engineering.

B. M. E., University of Minnesota, '93;
M. E., '05.

Member Montana Society of Engineers.



JOSEPH AUKEN THALER, E. E.

Professor of Electrical Engineering.
E. E., University of Minnesota, 1900.

Member Sigma Xi.

Associate Member American Institute of Electrical Engineers.

Member Society for the Promotion of Engineering Education.

Member of Montana Engineers' Society.

Honorary Member of Engineers' Society of Montana State College.

Secretary Montana State College Branch American Institute of Electrical Engineers.





ROBERT DAVIS KNEALE, B. S.

Assistant Professor of Civil Engineering.

B. S. C. E., Purdue University, 1906.

C. E. to be granted in June by Purdue University.

Member National Cement Users' Association; Montana Engineers' Society.

CHARLES SUMNER DEARBORN, B. S.

Associate Professor of Mechanical Engineering.

B. S., Kansas State Agricultural College, '04.

Member Montana Engineers' Society.



AGRICULTURE



FREDERICK B. LINFIELD, B. S. A.

Professor of Agriculture, and
Director of Experiment Station.

B. S. A., Ontario Agricultural College,
'91.



WILLIAM JAMES ELLIOTT, B. S. A.

Professor of Dairy Husbandry.

B. S. A., Ontario Agricultural College,
'98.



ALFRED ATKINSON, B. S. A.

Professor of Agronomy.

B. S. A., Iowa State College, at Ames,
'04.



ROY W. FISHER, B. S.

Professor of Horticulture.

B. S., University of Idaho, 1900.



ROBERT WALLACE CLARK, B. Agr.

Professor of Animal Husbandry.

B. Agr., University of Minnesota, 1900.

SCIENCE



WILLIAM MERRIAM COBLEIGH, A. M.

Professor of Chemistry and Physics.

E. M., College of Montana, at Deer Lodge, '94.

A. M., Columbia University, '99.

Member of A. A. A. S.; American Chemical Society; Montana Academy of Science; Associate Member of American Physical Society.

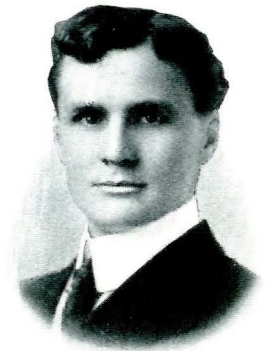
ROBERT ALLEN COOLEY, B. S.

Professor of Zoölogy and Entomology.

B. S., Boston University, '95.

B. S., Massachusetts Agricultural College, '95.

Member of American Association of Economic Entomologists; F. A. A. A. S.



WILLIAM DUAND TALLMAN, B. S.

Professor of Mathematics.

B. S., Wisconsin University, '96.

Member of American Mathematic Society; Montana Academy of Science; Wisconsin Academy of Science; Mathematical Circle at Palermo; F. A. A. A. S.



FRANK WILLARD HAM, M. S.

Instructor in Chemistry.

B. S., Montana State College, '03; M.
S., '05.

DEANE B. SWINGLE, M. S.

Assistant Professor of Botany.

B. S., Kansas Agricultural College, 1900.

M. S., University of Wisconsin, '01.



EDMUND BURKE, B. S.

Acting Chemist.

B. S., Montana State College, '07.

M. HERRICK SPAULDING, M. S.

Assistant Professor of Zoölogy.

M. S., Leland Stanford University, '04.

MUSIC



MISS ARABELLE BARNES,
Head of Piano Department.
Wooster University, '03.

MISS PHYLLIS PAULINE WOLFE.
Head of Vocal Department.
New England Conservatory of Music.
International School for Vocalists.



MISS REGINA BARNES.
Assistant in Piano Department.
Wooster University, '04.

GEORGE W. HEY.
Instructor in Violin.
Syracuse University.

LETTERS



WM. FISK BREWER, A. M.

Professor of Latin and English.

A. M., Iowa College, '91.

A. M., Harvard University, '99.

Charter Member Phi Beta Kappa, Iowa College.

AARON HEALY CURRIER, A. M.

Professor of Modern Languages.

A. M., Oberlin College.

Studied later in Gottingen, Munich, Berlin and Geneva.

MISS HELEN RICHARDS BREWER, A. B.

Instructor in History and Latin.

A. B., Iowa College, '87.



MRS. MABEL KINNEY HALL, Ph. B.

Instructor in Public Speaking and Modern Languages.

Ph. B., Oberlin College, '93.

Member L. L. S., Oberlin College; Clea-
nic, Cleaves School of Expression.

OTHER DEPARTMENTS



MISS LILLA AGNES HARKINS, M. S.

Professor of Domestic Science.

B. S., '90; M. S., '97, South Dakota Agricultural College.

MISS MARY AGNES CANTWELL.

Principal Preparatory Department.

B. D., Columbus (Ia.) Normal School.



CHAS. E. F. MOLLET, Ph. C.

Professor of Pharmacy.

Kansas University Pharmacy School, '04.



MISS LOU BREWER,
Assistant in Domestic Science.



MISS FLORENCE BALLINGER.
Instructor in Sewing.
Kansas State Normal School.
Sewing School in Chicago.

MRS. F. E. MARSHALL,
Professor of Art.

MRS. EDNA GAGE,
Assistant in Art.

MRS. MARY KAY WINTER,
Librarian.

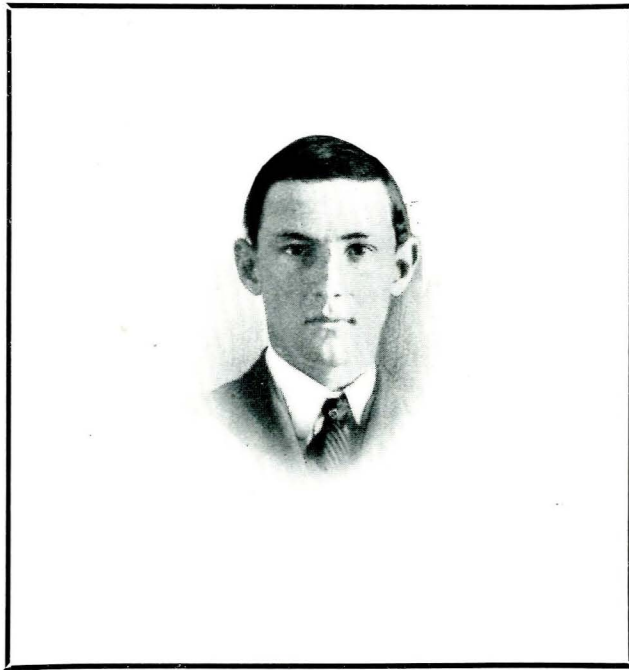


GALLATIN VALLEY GRAIN FIELD

In Memoriam



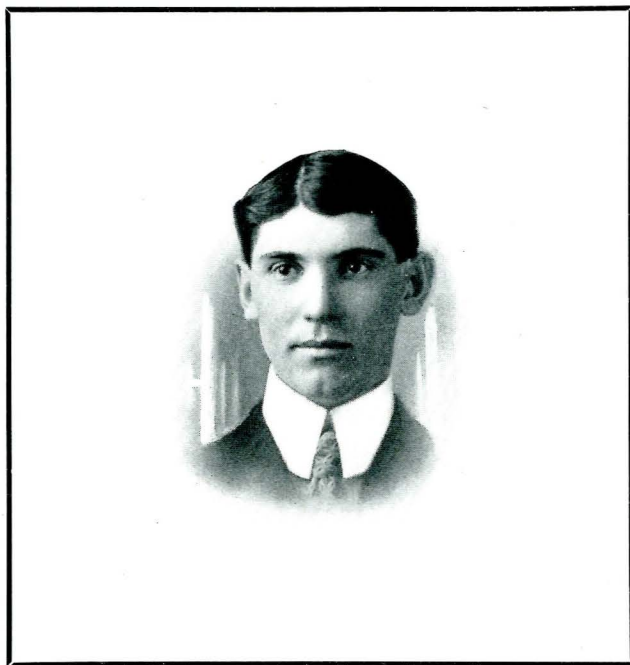
“Leaves have their time to fall,
And flowers to wither at the north wind's breath,
And stars to set—but all,
Thou hast all seasons for thine own,
 ○ Death!”



Leslie Boyle

Leslie Boyle was born in Fort Benton, Montana, in February, 1890, and died on May 31, 1907. He attended the public school in Fort Benton and completed two years of his academic work in a cadet school in Spokane, entering the Senior Preparatory class here in 1906.

On June 4, 1907, the day his class graduated from the Preparatory, he was buried. His was the Great Commencement. He sits at the feet of the Divine Teacher whose knowledge is infinite and the semester is Eternity.



William Bessette

William Bessette was born in November, 1884, near Montreal, Canada, and died on February twenty-ninth, 1908. His father and mother and a brother survive him; the family home being in Fulton, Montana. He was in his fifth year in college; the first year of the five being spent in the Short Course, three years in the Preparatory, and was a member of the Freshman Class at his death. His disposition was quiet and unassuming, but beneath the placid exterior, was a spirit that could do great things. He has been called to a larger school, and leaves with his friends a memory that will grow dearer with the passing years.







THE BUNC.



Senior Class Organization

President.....EDNA TRACY
Vice-President.....WILLIAM DRISCOLL
Secretary.....MARY ALWARD
Treasurer.....CARL WIDENER
Sergeant-at-Arms.....AMY COOK
Class Emblem.....Fern
Class Colors.....Green and Greener
Class Motto.....*Do what you do*



EDNA TRACY, "Cranky," Bozeman.
Chemistry.

Thesis—Cereal Foods and their compositions. (With Miss Alward.)

Hamiltonia; Y. W. C. A.; *Exponent* Staff; Basketball.

Always like herself—wise, fair and true.



AMY COOKE, Bozeman.

Mathematics and Physics.

Thesis—Humidity Determinations.

President Y. W. C. A.; *Exponent* Staff;
Hamiltonia.

She stars in Physics and E. E. Aside from these infirmities she commands boundless respect, and her sweet face is an attraction to not a few.

CHARLES FISHER, "Windy Bill," Bozeman.

Electrical Engineering.

Thesis—Design of a motor for shops.

President Electric Club and Student Branch A. I. E. E.; Arena; Engineers' Society; Y. M. C. A.; Band.

"He speaks an infinite deal of nothing."



WILBUR ROBINSON, Bozeman.

Chemistry.

Thesis—Estimation of Cuprous Oxide in Sugar Analysis.

President Les Bouffons; Arena; Manager Baseball Team; Band.

"Talks with respect and swears but now and then."



IRVINE MOUNTJOY, "Ikey," Twin
Bridges.

Electrical Engineering.

Thesis—High tension testing of insulating materials.

Arena; Engineering Society; Electrical Club; S. B. A. I. E. E.; Oratorical Association.

"He doth a wilful stillness entertain,
With purpose to be dress'd in an opinion
Of wisdom, gravity, profound conceit."

MAMIE ALWARD, Bozeman.

Chemistry.

Thesis—Cereal Foods and their Compositions. (With Miss Tracy.)

Y. W. C. A.; Hamiltonia; Basketball;
Editor-in-Chief *Exponent*.

One of Montana's fairest daughters.
She inclines somewhat toward C. E.



WILLIAM DRISCOLL, "Fatty," Lawrence,
Mass.

Civil Engineering.

Thesis—Study of Sewage Disposal Systems.

President Engineers' Society; Arena.

"Down to Gehenna or up to the throne,
He travels the fastest who travels alone."



CARL WIDENER, "Dutch," Bozeman.

Civil Engineering.

Thesis—Separate Sewer System for the City of Bozeman.

Engineers' Society; Les Bouffons.

"We that are true lovers, run into strange capers."

WILL HARTMAN, Bozeman.

Civil Engineering.

Thesis—Location of an Electric Railroad in Gallatin Valley.

Engineers' Society; Basketball; Baseball; Track.

History

The present Senior Class entered college in the fall of 1904, with thirty-four members. That year was spent in class scraps and fun such as only Freshmen indulge in, the event of importance being the winning of the interclass track meet for which victory was received a silver cup given for the first time. As Sophomores, we were thirty strong at the beginning of the year. We entered all class contests, both athletic and debating, and won a good share of them. In our Junior year we got out the first Annual ever published at M. A. C., and now in our last year, we have nine members who, although they graduate in June, will remember and love dear old M. A. C. and ever have her interests at heart.

Postgraduate Students



FRIEDA BULL, B. S.

Postgraduate in Mathematics.



SARAH CHAFFEE, B. S.

Postgraduate in Biology (Major),
History and English (Minor).

Juniors

Junior Class Organization

President JOHN JAMES

Vice-President.....ERMA NOBLE

Treasurer ELWOOD MORRIS

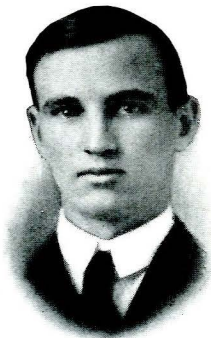
Historian.....DAVID DE MUTH

Class Motto If $\begin{Bmatrix} \text{boys} \\ \text{girls} \end{Bmatrix}$ interfere with your studies,
give up your studies

Class Colors.....Gold and Green

Class Yell

Who is the class like steel that's electric,
Sends forth a spark of fire most effective;
We are the class like steel that's electric,
Sends forth a spark of fire most effective,
Naught-nine electric! Naught-nine effective!
Naught-nine victorious!!!!

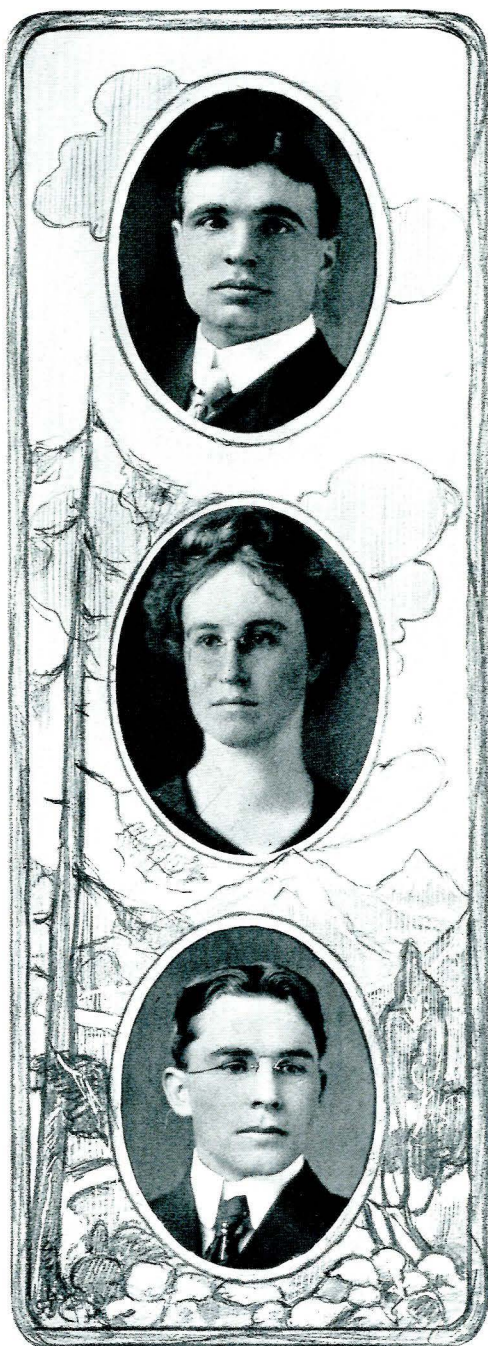


JOHN JAMES, "Jimmy," Cascade.

Civil Engineering.

Arena; Engineers' Society; Track.

Would like to get a wife if he could find
one suiting his fastidious taste.



DAVID DEMUTH, "Davy,"
Peru, Indiana.

Civil Engineering.

Engineers' Society; Arena;
Band.

'The man with a winning
smile.

ERMA NOBLE, "Nothing,"
Bozeman.

Domestic Science.

She is pursuing a D. S.
course, but has given up
all hopes of ever using
it.

FRED HOMAN, "Sousa,"
Bozeman.

Mechanical Engineering.

Arena; Engineers' Socie-
ty; Band; Track.

His soul is full of music
and his arms are full of
girl—at times.

BERT HIND, "B. S,"
Bozeman.

Electrical Engineer.

Arena; Engineers' Society;
Baseball; Electrical Club;
S. B. A. I. E. E.

Has a checkered career behind him.

EDNA VREELAND, "Sousarina,"
Bozeman.

Domestic Science.

Y. W. C. A.; Hamiltonia.

She has won a home, but
it has been a hard chase.

GUY KIRSCHER, Townsend.
Electrical Engineering.

Band; Arena; Engineers' Society;
Y. M. C. A.; Track.

Wants to be the whole
cheese or nothing.





RALPH COOLEY, Manhattan, Kansas.

Dairy.

Is generally looking for a home.

RUBY KING, "Ruben," Bozeman.

Domestic Science.

Y. W. C. A.; Hamiltonia.

The shortest, sweetest Junior. But how can so small a girl be such a great attraction?

ELWOOD MORRIS, Virginia City.

Agriculture.

Arena; Track.

"He has a lean and hungry look."

WILLIAM THROM, "Buster,"
Helena.

Civil Engineering.

Arena; Engineers' Society;
Mandolin Club.

The hero of a hundred
matrimonial escapades.

ADDIE KIMPTON, Raders-
burg.

Domestic Science.

Y. W. C. A.; Hamiltonia.

Believes that there should
be no rest for the wicked.
She is always resting.

GILBERT HANSEN,
"Shorty," Bozeman.

Electrical Engineering.

"Shorty" is full of grit and
when the time comes to
show it, it usually ap-
pears. Prefers single
blessedness.





TIMOTHY EDWARDS,
"Babe," Frazee, Minn.

Civil Engineering.

Arena; Engineers' Society;
Band; Mandolin Club.

Expects to get married
sometime.

EDNA BULL, "Ted," Boze-
man.

Domestic Science.

Y. W. C. A.; Hamiltonia.

She is not studying D. S.
for fun.

ELVA WILSON, "Granny,"
Bozeman.

History, Literature.

Y. W. C. A.

"I don't love nobody."

WHITFIELD SPAIN,
"Whit," Bozeman.

Agriculture.

Les Bouffons; Athletic Association; Arena.

Has a liking for lemon pies and girls.

LISLE HENDERSON, Livingston.

Electrical Engineering.

Track; Arena; *Exponent* Staff; Engineers' Society; Electrical Club; Athletic Association; S. B. A. I. E. E.

A poor success as a bachelor, but as a lover there's none like him.

ORVILLE PETERS, "Pete,"
Clinton, Wis.

Electrical Engineering.

Engineers' Society.

A leap year possibility.



WALTER LIVINGSTON, "Buzzy," Bozeman. Civil Engineering.
Engineers' Society; Band.

History

Naught-nine history can, this year, be expressed in a very few words. Like our predecessors in the publishing field we have directed the greater part of our physical strength, together with some of the vacuum which we style intellect, toward the manufacture of a College Annual. A straw ride also came in for its share of attention. Some of the straw riders got cold feet, others got the cold shoulder, and there were still others. All had more or less chaff down their necks, outside and in.

We joined forces with the Seniors in football and got walloped—with a capital W. So that don't count. A couple of Junior girls still entertain the opinion that the Seniors presented all the weak points in our line-up, but Cupid has been known to pull the wool over the eyes of some rather observing people.

Our President has been accused of invading the Domestic Science Emporium at unseemly hours of the night, but it remains to be proven. The business manager of this publication sought distinction along that line but was caught with the goods on. All of which goes to show that the way of the wicked leads to some tight pinches.

A few started up Salt Creek during exam. week, but as a rule they recovered gracefully.

When the roll is called next fall we all hope to be here, wearing mortar-board caps and the black-gowned dignity which belongs to such a highly exalted state as a Senior in the Only College on Earth.

Nine rahs for the Blue and the Gold!



Sophomore Class

President CLINTON BOOKER
Vice-PresidentA. S. BROWN
TreasurerHELEN FISHER
SecretaryFRANKLIN KEENE
Sergeant-at-ArmsLOUIS ALLARD
Class ColorsCrimson and Gray

Rickety-rackety Rah-Rah-Re,
We're the class we ought to be!
Rickety-rackety Rah-Rah-Rum,
We're the class of ten by gum!

History

One bright September morn, floating gracefully from the dome of old M. A. C. in the cool autumn breeze, a crimson and gray pennant announced that the unpretentious class of 1910 had returned to resume its labors upon that pinnacle upon whose heights fame awaits those who have the heart and will to labor over obstacles and difficulties.—Yes, the flag came down, then a hard fought battle occurred in which the Sophs. met the Freshmen and recaptured the greater part of “old honor.” Peace prevailed for a time, but a spirit of uneasiness overcame those of emerald hue, so after saving up their pennies and purchasing an old boiler they forthwith shaped for themselves a sheet-iron banner bearing the unknown hieroglyphics '11 and prepared to take possession of that peaceable old smokestack which does harm to no one, but their indestructible banner disappeared—the Sophs. know where. Not to be out-done, the undaunted Freshies laboriously shaped another and that night in some mysterious manner it assumed an upside-down position on the top of the old stack and was left there to await the dawn and the admiring gaze of the student body. Morning came—the wonder-filled eyes of the Freshman maidens gazing up into those dizzy heights saw in the midst of a black column of smoke rolling heavenward—nothing; for some studious Soph. troubled with somnambulism had ascended the giddy stack and accidentally knocked their symbol of class spirit down.

About this time the energies of the industrious Sophs. were directed to the intercollegiate track meet, given by the State Fair Association, for M. A. C. must be represented there and the Class of '10 must help. Would it be boasting to say that thirty-one of the thirty-seven prize points were taken by members of our class team?

To continue a recital of the many deeds of valor and daring would occupy pages, but in later years we expect volumes to be filled with the deeds and works of many of our classmen. At present many lines could be penned on the football game which resulted victoriously for the allied classes of the "Brown and Blue" and the "Crimson and Gray." The Tug of War across the Station Frog Hatchery, regardless of the fact that inch cables were broken and a larger cable badly strained by the ten minutes of strenuous strain, given by twenty-six sturdy Sophs. pulling against an equal number of swarthy Freshies, was resultless, for neither side was obliged to pay an unceremonious visit to the native home of the spirogyra and amoeba. Our basketball team, which, with the exception of one man, comprises the first team, is one of the class factors of which we are justly proud—victorious not only against the individual classes, but against the combined classes of M. A. C. No less proud are we of our debating team which is comprised of men who know not only what to say but where and how. They, too, are victorious.

We are proud of our class victories against the other classes, proud of the fact that we can take honorable defeat like true Americans, proud that our classmen are found representing every phase of college activity from the athlete to the scholar, but the thing we are most proud of is the fact that so far as the class of 1910 is concerned all contests of proceedings will be man to man and of such a nature that straight forward skill or strength be employed. The above is the recorded majority vote of the Soph. class at the beginning of its Sophomore year. It is probably no more than other classes are trying to do, but we make this a part of our class work, hoping to install a good principle with ourselves and to set the standard of the square deal in all class rivalry.

Only a few of the many chronicles of class history can be recorded here, but these few may be the means of recalling others of greater or less significance to the graduate reader of the years to come. For at most these seemingly important joys and trials are but little when compared with those of our graduate days. The struggle for victory and honor will still go on, only in a more real, more intensified form then, and we expect greater deeds and greater victories of those ardent, loyal, ambitious young men and women who now defend and give honor to the class of '10.



Freshman Class

President ELMER J. WILLIAMS
Vice-President MISS FAYE WIDENER
Treasurer WILLARD J. BROWN
Secretary IRVIN A. DRAPER

Class Colors Blue and Brown

Class Yell

Ola garoo, garoo,
Ola bazoo, bazoo,
Hiker piker,
Donna miker,
Nineteen eleven,
Rah! Rah!! Rah!!!

History

Long will the day be remembered and recorded in the annals of great events, when the class of '11 dawned upon this world. If there were no guns fired, no tin horns tooted, no bells rung, nor any great and mighty demonstration made by the public, you can not lay it to the score of the Freshmen, for never before was there gathered in a class such a combination of brain and brawn, bulk and wind, youth and beauty (or otherwise), never such a galaxy of bright and shining lights as rallied round the Brown and Blue of Nineteen Eleven.





Those high and mighty men, the '10's, anxious to show the young and tender '11's their superiority, hastened to fly their flag of gray and red from the highest pinnacle of the college. Upon seeing this, a doughty hero of '11 scaled the height and hauled down the offending banner with only a slight struggle. After this victory '11 began to feel more at home.

On the evening of September 26th, the '11's all met at Martin's Hall, to hold their first party. The '10's evidently thought '11 was incapable of providing itself with amusement so they, every one, turned out to help the "little ones" enjoy the party. But '10 soon found '11 able to care for itself and so departed for places where they were more cordially received.

The next great period in the history of '11 was the Tug of War, over the duck pond. At first it was thought that the strength of both classes was so great that the great event would have to be put off as no rope could be found strong enough. At last one was found but at the end of the time it was called a tie.

It would be no true history of this class if no mention were made of the moonlight picnic out to Shedd's Bridge, at which time Cupid was kept busy. Another memorable occasion was the lovely Christmas party in the Drill Hall, where the heart of every little '11 present leaped with joy when "Santa" presented him with a beautiful and appropriate gift.

In the basketball and debating the '11's have met defeat, but so young a class could not expect to win everything at once. However, by patient and diligent effort they expect to soon be able to meet such obstacles as stand between them and victory.

Thus endeth the first epoch of '11's history.



Pharmacy

In the spring of 1907, President J. M. Hamilton, who has ever a vigilant eye for the welfare of our institution and the state at large, prompted by the application of several students for a course in Pharmacy, conceived the plan of creating such a department. After being carefully considered by the faculty, this was recommended to the executive board by which it was favorably passed in April, 1907, and was approved of by the state board of education, at the June meeting. Professors V. K. Chesnut and R. A. Cooley outlined the first course for the department, and F. W. Gordan, of Howell, Michigan, was appointed to organize the school in September, 1907. Professor Gordan resigned the following October, and Charles E. F. Mollet was elected to fill the vacancy and immediately began his work of instruction and the arrangement of the schedule and courses for the same. Professor Mollet is not only a practical pharmacist and experienced teacher, but also one thoroughly in touch with his pupils and devoted to the best interest and progress of those who come under his instructions.

There is now provided a two years' course leading to the degree of Pharmaceutical Chemist, and a four years' course (regular college course) leading to the degree of Bachelor of Science in Pharmacy. The Pharmaceutical headquarters is in the Chemistry building, and consists of a splendid lecture room and laboratory, which are being equipped as rapidly as possible for the accommodation of the pupils enrolled. The purpose of the department is to produce competent pharmacists to supply the needs of the state as well as to further all measures for a high standard of Pharmacy.

The courses are arranged along lines consistent with the ideas of The American Conference of Pharmaceutical Faculties, which association keeps abreast of the times, striving for the best interests of the profession.

There are at present five students enrolled in the courses, four of whom are in the two years' course, all happy and loyal to the M. A. C. We are real pharmics; the charter members of the new department, and always expect to be counted in and bear our share of the responsibilities and show a spirit of appreciation as well as classes of other departments.

Yours truly, Junior Pharmics:

PAUL MITCHELL,
President Junior Class.

BLANCH CONARD,
Secretary Junior Class.





Senior Preparatory

President JESSE GREEN
Vice-President LULA BAKER
Treasurer J. C. MCGRAW
Sergeant-at-Arms JOHN KING

Class Colors Purple and Steel Gray
Class Motto "Find a Way or Make It."

Class Yell
Hacalaca-boomalaca, purple and gray,
Hacalaca-hacalaca lu la ray,
Prep. '08!

History

On one bright September morn, three years ago, a crowd of uneducated lads and lassies walked rather falteringly up the walk that leads to M. A. C. to register as First Preps. Only a few of these are left. But those who are gone are not forgotten, although many have come to fill their vacant chairs in Room 17.

The second year we were more confident, and gained still more confidence in ourselves, when our girls won a basketball game which was played against the Freshmen girls.

Although our class has accomplished nothing of great importance, we have done our part in forming the history of the Prep. department. We made a good beginning this year by making ourselves conspicuous one September afternoon in the vicinity of the Frog Pond.

The most important thing to record is the action of our heroic girls who gave a Leap Year Party, and the boys gave a party in return. But alas! the girls showed their bravery this time by going to and fro with most select company, namely, "Themselves." Last year they were more condescending; they not only had escorts from their own class, but also a select few of the Prep. boys '07.

We have been unfortunate in that some members of the class have been called to their respective homes on account of sickness or death. Now we are looking forward eagerly to the time when we will be called Freshmen.





Junior Preparatory

President WILLIAM GUILER
Vice-President CLARK BANCROFT
Treasurer ROY SPAIN
Secretary GRACE BEHRINGER

Class Colors Black and Orange

History

The fall of 1906 brought to old M. A. C. a bunch of boys and girls who registered as First Preps. They could be seen creeping and shying, back and forth in the hall, in and out of doors of the main building trying not to be seen but to see. As days sped on they became brave and were no longer the laughing posts of their superior fellow students. As First Preps. our life history is almost a blank.

As we again gathered at old M. A. C. a year later, only a few of our last year fellow students returned, but their places were taken by others. Much enlightened by our previous experience, we became acquainted with the ways of the college. Our first class meeting was held with great interest; officers were elected and colors chosen. Class parties followed, and although we were visited by Third Preps., we had some good times.

As a result of our winter vacation our bunch was somewhat diminished by some of our fellow students forgetting to come back. Who knows how much smaller it will be after exams.?







Freshman Preparatory

President EVERETT HARDGROVE
Vice-President WILLIAM HARTMAN
Treasurer NOAH KIRBY
Secretary HAZEL BECHTEL
Sergeant-at-Arms FRANK SHRIVER
Class Colors Cardinal and Cream

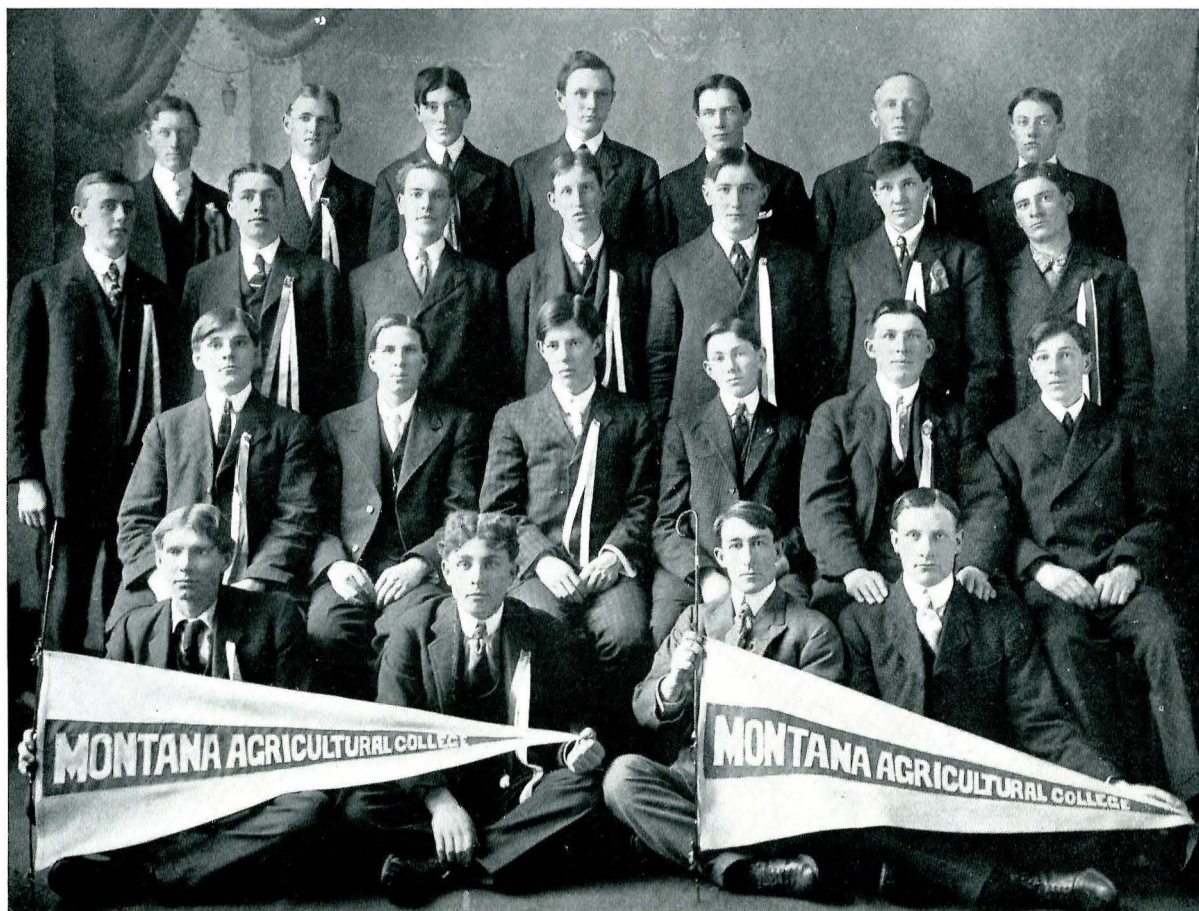
History

There came to this college in the fall of 1907 the P. '10 class, a class that in years to come old M. A. C. will be glad to call her own.

They organized, elected their class officers and selected their class colors about the middle of October.

They have made a couple of attempts to have parties, but fate seemed to be against them. Instead of giving up as some classes with less courage would have done, however, they are going to make another brave struggle next Semester, that is, if the First Semester exams. leave enough students to keep up a class.





SHORT COURSE STUDENTS IN AGRICULTURE AND ENGINEERING.



ONE YEAR STUDENTS IN DOMESTIC SCIENCE.

A Song for M. A. C.

Tune—Austrian National Hymn

LO, the hill-tops bright with sun light
Lift their heights before our eyes.
In the glory of life's morning
To those hills our pathway lies.
Golden are the ties that bind us
Into one that e'er shall be;
Jeweled clasp that holds the binding
Is our love for M. A. C.

High the heavens above us bending
Glow with pure eternal blue.
Golden glad the earth is smiling
'Neath our footsteps brave and true.
Heaven and earth thus lend their colors
To our flag of victory;
And the star that marks their blending
Is our love for M. A. C.

Lo, our friends upon the hill-tops
Smile a welcome on our way.
They have toiled as we are toiling,
They have fought and gained the day.
Thus may we ascend the hill-tops,
Work and win our motto be.
May the music of our toiling
Be our love for M. A. C.

Seniors in Music



CODA ALWARD,
Bozeman,
Piano.



ALICE PIEDALUE,
Bozeman,
Piano.



AMY LOVELACE,
Bozeman,
Vocal.



CARL WIDENER,
Bozeman,
Vocal.

The Legend of the Shield

IN the hazy realm of romance, long ago,
A youth set forth in ardent dauntless quest
To find the greatest good that life can know,
To learn wherein mankind is truly blest.
And as he rode, on knightly mission bent,
An angel gave him fair accoutrement.

The angel said, "This shield, brave youth,
Which bears a ground of bright ethereal blue,
Shall symbolize your purity and truth;
And when you have found the virtues you pursue
Their symbols shall adorn the shield you hold
Engraved in characters of living gold."

Then riding far afield the youth first learned
Of fatherland and state and loyalty.
His heart with patriotic ardor burned;
He served the commonwealth untiringly
And a golden "M" for great Montana shone
Upon his shield to mark one virtue known.

Afar he saw the fertile earth spread wide
Her fruitful fields and high enticing hills.
He felt the zeal for labor and the pride
Of conquering material force, which thrills
The mighty sons of earth. With power untold
Of brain and hand he won the "A" of gold.

And then in kindly deeds of usefulness
He learned the hopes and fears of human hearts,
The human need of mutual helpfulness.
He felt the joy that comradeship imparts.
The true intent of College thus revealed
A golden "C" appeared upon his shield.

Thus worthily the youth achieved his quest
And won for us a priceless heritage.
The message brought us here is manifest,
That M. A. C. affords rare privilege
To all who serve with purpose firm and true
The golden letters upon the shield of blue.



SPANISH PEAKS



GALLATIN RIVER



MYSTIC LAKE

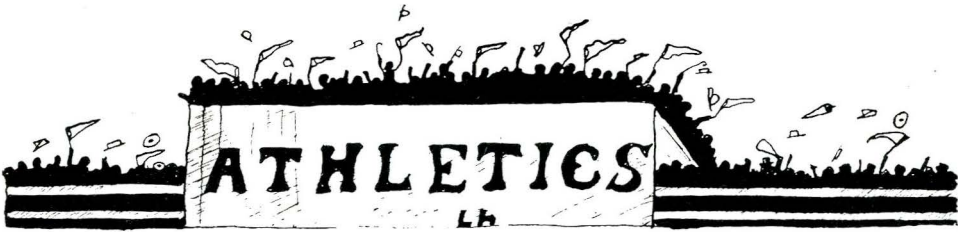
A Pipe Dream

Night has fallen, dark and dreary, and rain dashes in fitful gusts against the windows of a little parlor where a middle-aged man is sitting, gazing into the slowly dying fire, which flashes up at times and sinks again, casting queer shadows on the walls. The room shows unmistakable traces of the lack of a woman's care and is decorated with the bric-a-brac so dear to a bachelor's heart. In the man's lap is a book bearing this legend, "The Montanian"—a Junior Annual. His pipe inclines at an odd angle with his face and the smoke curls upward fantastically in evanescent wreaths, mingling with the semi-darkness which pervades the room.

Something in the wild rush of the wind driven drops without reminds him of the tramp of youthful feet through college halls, and his thoughts are pleasant, for he smiles. Presently the fire-place seems to disappear and he sees instead an alcove in the library of the old college on the hill. Two persons are sitting there. One resembles a picture hanging nearby on the wall. It was made in his younger days. The other? No need to tell. She turns her brown eyes, so full of trust and longing toward his—and his eyes answer. Cupid, with quiver full of arrows honey-tipped with the sweetest misery ever known, presides over the little scene, but they are unaware.

The vision fades. A tear creeps slowly down the face of the man in the chair. He rises, and knocks the ashes from his pipe.

"Thirty years," he says to himself and passes up the stairway. The wind has ceased, and the solemn sound of the steadily dropping water, echoing through the empty room, follows him like the tapping of an old man's cane.



Athletic Association

President.....LISLE HENDERSON
 Vice-President.....CARL WIDENER
 Secretary.....EDNA TRACY
 Treasurer.....WHITFIELD W. SPAIN
 Assistant Treasurer.....PROF. W. J. ELLIOTT
 Sergeants-at-Arms.... { GUY KIRSCHER
 { EDNA BULL

The athletic association is the largest student organization in the college. It is a governing body composed of all regularly enrolled students; each having a vote in the regular meetings. The routine business is turned over to an executive committee which is formed by delegates from each of the classes, the treasurer of the association and a delegate elected by the girls of the college. The president of the association presides at all meetings of this committee, the business of the committee being to sanction game schedules, to appropriate any money covering expenses, to award emblems for athletic merit and so forth. The officers of the organization are elected each year at a regular meeting held in the latter part of the spring, at which the captains and managers of the various teams are also chosen.



Basketball Team

Captain.....WILL HARTMAN
Manager.....GLEN SLOAN

The Montana State College Basketball Team is the pride of the institution. It has met and defeated decisively the teams of all the other state schools; not having lost a single game during the season.

Schedule of Games

At Deer Lodge

M. S. C., 18 : C. of M., 17

At Missoula

M. S. C., 25 : U. of M., 18

At Bozeman

M. S. C., 33 : U. of M., 9

At Bozeman

M. S. C., 42 : M. S. S. M., 9

At Bozeman

M. S. C., 70 : C. of M., 8

At Butte

M. S. C., 26 : M. S. S. M., 7





Baseball Team

Captain.....WILBUR ROBINSON

Manager.....WILL HARTMAN

The record of this team is one of the best. It has several times won the state championship and is considered to be one of the foremost amateur organizations in Montana.

Schedule of Games, '07

At Missoula

M. S. C., 6 : U. of M., 4

At Butte

M. S. C., 11 : Butte School of Mines, 14

At Bozeman

M. S. C., 3 : Butte School of Mines, 4







Track Team

Manager LOUIS ALLARD

Track athletics is practically a new thing in this institution, as there have been held only two intercollegiate meets since it was started. The records, notwithstanding the fact that the sport is new, show that we have abundant material which, with proper training and coaching, would place our track athletics on an equal standing with that of the other forms of intercollegiate sports.

Records

100 yard dash, 10 2-5 seconds—Henderson and Allard.

440 yards, 52 seconds—Allard.

220 yards, 23 seconds—Henderson.

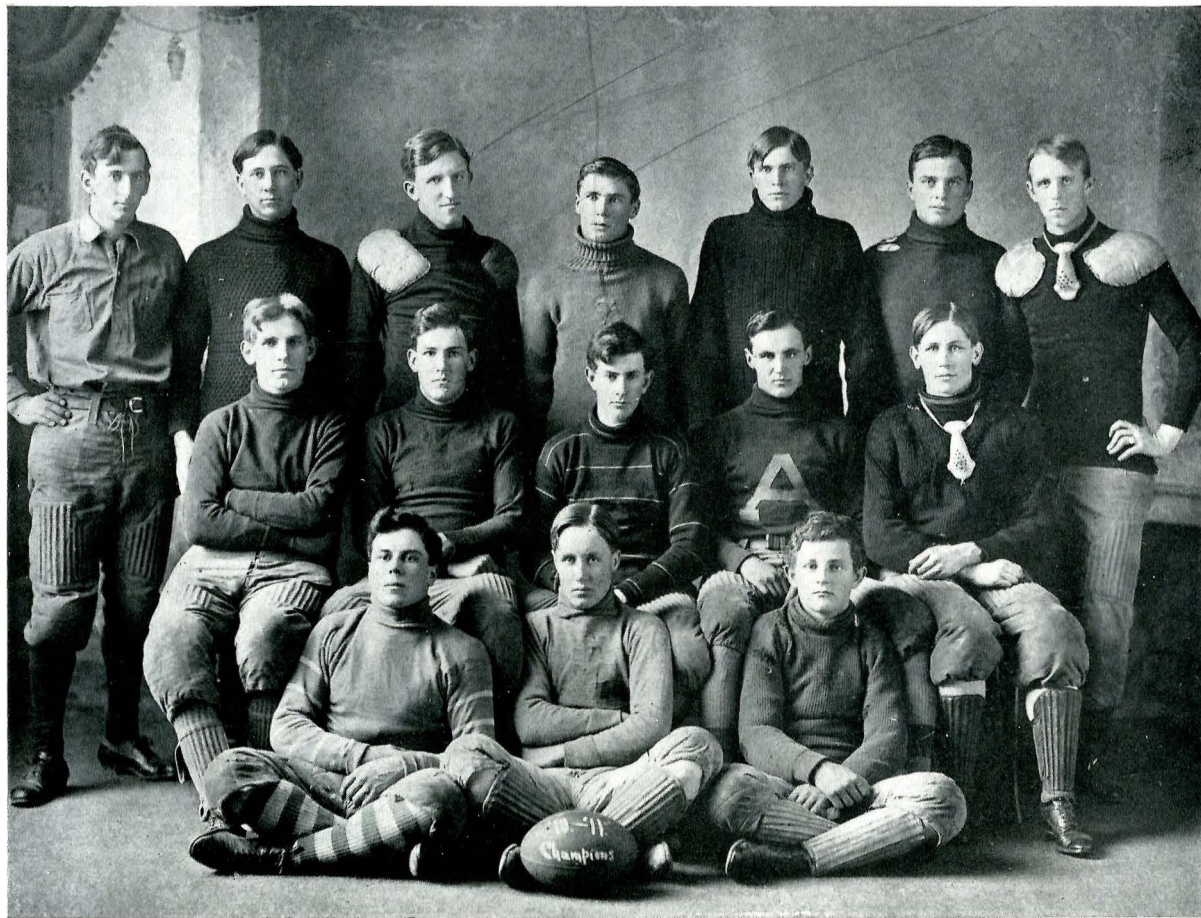
Shot put, 36 feet—Homann.





GIRLS' BASKETBALL SQUAD.



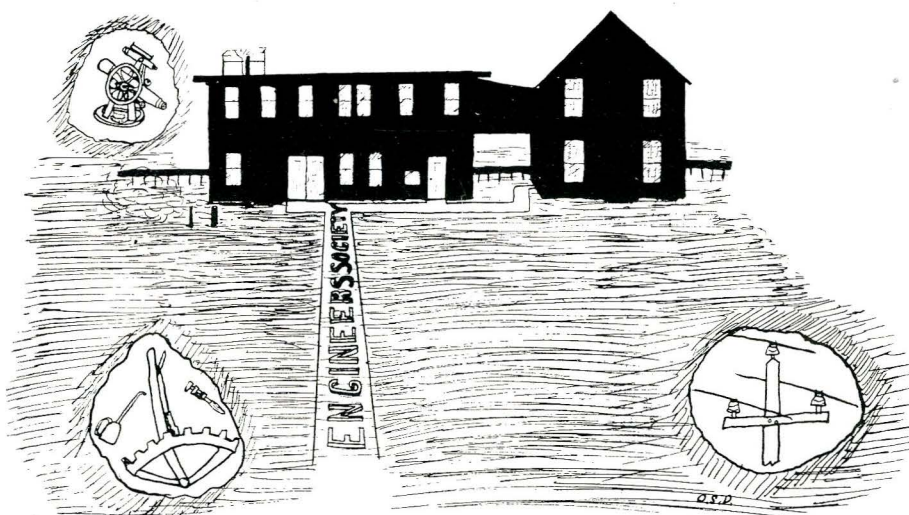


SOPH.-FRESH. FOOTBALL TEAM.



Societies





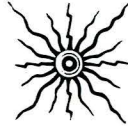
Engineers

President W. J. DRISCOLL
 Vice-President B. S. HIND
 Secretary FRANK J. FROEBE
 Sergeant-at-Arms A. S. BROWN
 Business Manager DAVID DEMUTH
 Assistant Business Manager BOWER BARNARD

During the month of September, 1904, Professor Couper appointed a committee to investigate the feasibility of forming an engineering club, the purpose being to purchase supplies for engineering students, and to hold meetings at which topics of interest to all engineering students might be discussed. This committee called a mass meeting of the engineering students on September 29, 1904. At this meeting, a committee was appointed to draft a constitution and by-laws. Another meeting was held on October 5th, in which the constitution and by-laws prepared by the committee were adopted with some amendments. At this meeting the following officers were elected: President, Howard Flager; Vice-President, Floyd Lorentz; Business Manager, Ralph Boyles; Secretary, Carl Widener; Treasurer, H. D. Cook; Sergeant-at-Arms, Fred Ervin. Thus the engineering students effected a permanent organization, "The Engineers' Society of the Montana State College," on October 5, 1904.

Since its organization, the Engineers' Society has prospered greatly in every way. Nearly \$1,000 worth of books and supplies are purchased by the students, through the society, every year. On these supplies the society saves the student about 15 per cent. of the retail price. The regular meetings of the society are held on the first Thursday of every month. At these meetings, programs of especial interest to the engineering students are carried out, the principal part of each program generally being an address by some member of the engineering faculty or by some prominent engineer from outside the school. These meetings are open to all, and are one of the best things in our college.





Electric Club

President.....C. M. FISHER
Vice-President.....LISLE HENDERSON
Treasurer.....B. S. HIND
Secretary.....R. B. BARNARD

The Electric Club was organized by the student members of the American Institute of Electrical Engineers during the spring of 1907, and began this year with a membership of forty.

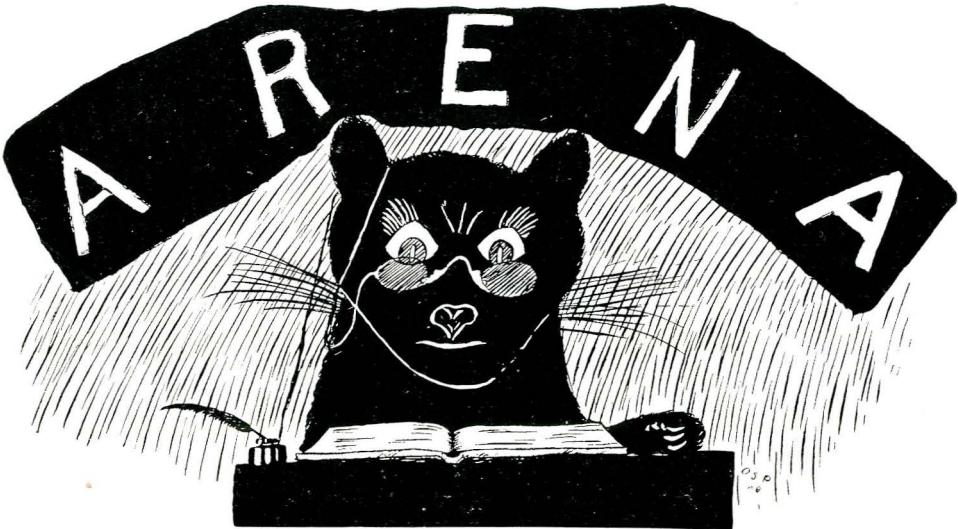
Meetings are held once a month during which papers in the Proceedings of the A. I. E. E. are abstracted and discussed; original papers are presented and talks are given by visiting electrical engineers.

The emblem of the society is a small blue and gold pin with the shape of a standard voltmeter and with the words "Electric Club"; also the college monogram.

Some of the papers read and discussed this year were: "Proposed Code of Ethics for Electrical Engineers," "Power Development at Niagara Falls," "Description of Butte Substation of the Helena Power Transmission Co," "Relative Performance of Steam and Electric Locomotive," "Train Lighting," and "Electrical Engineering Education."







PresidentJ. W. ROBINSON
 Vice-President.....J. S. JAMES
 Treasurer.....J. C. BELL
 Secretary.....FRANKLIN KEENE
 Censor.....R. B. BARNARD
 Program.....W. J. DRISCOLL
 Critics ... { LOUIS ALLARD
 { LISLE HENDERSON

The Arena Literary Society was organized in September of the year 1893, for the purpose of deriving benefits "from attainments in oratory and general intellectual culture," which can "be obtained through fellowship and co-operative labor." For the first three years the society was of a co-educational nature, but in '96 was re-organized and made one to which the men only, of the institution, were eligible. Since that time members of the preparatory department have also been excluded, leaving the present membership composed entirely of college students.





Hamiltonia

President.....EDNA BULL

Vice-President.....EDNA VREELAND

Treasurer and Secretary.....RUBY KING

In November, 1904, the Hamiltonia Literary Society had its birth. For two years the charter members were active in the society and it flourished, becoming one of the most important societies in the college. There are but four charter members left in college at present.

We have been holding our meetings at the home of Mrs. Hall, this year, and we owe much to her kindness and consideration in lending her home for this purpose. Contrary to former years, we had an initiation of new members this year. Although there were no serious results, the new members are anxiously awaiting the time when they can pass it on to the next victims.

The society aims to have a high literary standard and the programs are well worth much attention on the part of those interested in such work. Following the plan of last year, our programs have consisted of general subjects for each meeting with a story, essay, etc., on the subject selected. Recently, however, we have been reading a play from Shakespeare—different members assuming the different characters.

Formerly only high school graduates were eligible to membership, but this year the constitution has been changed so that those taking twelve credits in college may become members. This makes more people eligible while it does not detract from the literary standard of the society in any way.



PHILOMATHION.



Y. M. C. A.

President FRANKLIN W. KEENE
 Vice-President WILLIAM T. LEFEVRE
 Treasurer JAMES C. BELL
 Secretary LESLIE B. CROUCH

The Student Christian Federation which occupies an important place in the college life of today, stands for all that is essential to clean, pure manhood and right living.

That the young men may assist each other in following the example of the perfect Man of Galilee, the association cordially invites every boy to its devotional meetings, which are held on Tuesdays, at one o'clock.

The aim of the association then set forth is to develop the perfect type of manhood, of which Christ was exemplary, to promote Christian fellowship among all students, and to make its influence felt for good and itself a help wherever possible.





Y. W. C. A.

President.....	AMY M. COOKE, '08
Vice-President	EDNA TRACY, '08
Treasurer.....	EDNA BULL, '09
Secretary.....	GERTRUDE CAMERON, '11
Bible Study Committee.....	ADDIE KIMPTON, '09
Meetings Committee.....	MARY DAVIDSON, '10
Missionary Committee.....	EDNA VREELAND, '09
Social Committee.....	MARY L. ALWARD, '08
Intercollegiate Committee.....	JUNE HARTMAN, '10
Rooms Committee.....	ARLENE LEWIS, Prep.

History

The Y. W. C. A. was organized in the spring of 1902, and since that time there has been a steady growth in numbers and spiritual power. Our present membership is seventy, forty-five of whom are active members. The annual state convention was held here in November, 1907, at which were present representatives from all the other colleges of the state. Our state secretary, Lucy Helen Pearson, spent three weeks with us in November, helping us as she always does. Last fall two delegates represented us at the Northwest Conference at Seaside, Oregon, and we expect to send the same number this year.

The aim of our association is to develop the highest type of Christian young women in our college, and to complete the intellectual life with the abundant life in Christ.





Les Bouffons

OFFICERS

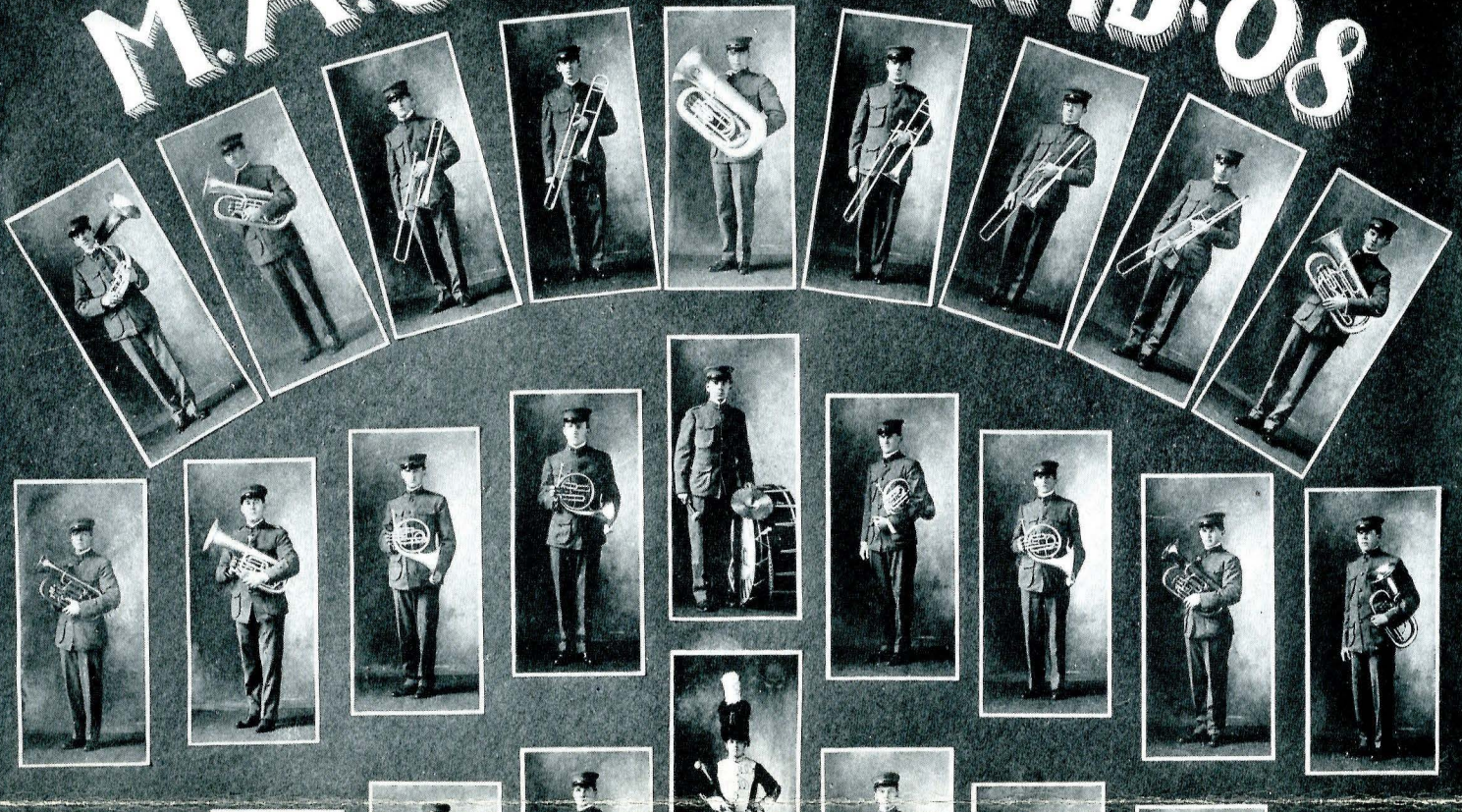
President.....J. WILBUR ROBINSON
Treasurer.....WHITFIELD SPAIN
Secretary.....PAUL B. STANTON

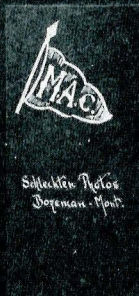
From both a financial and social standpoint, the past year has been a good one for the Bouffons. Several dances have been given and a good time enjoyed at all of them. The present club has a membership of nine, all students at M. A. C.



MANDOLIN CLUB.

M.A.C. REG. BAND '08





Schlachten Rotor
Doroman - Hopt.



The Band

Leader LOUIS L. HOWARD
President CHAS. M. FISHER
Treasurer J. WILBUR ROBINSON
Manager PAUL B. STANTON

The M. A. C. Band of 1907 and 1908 has been a success in every way. Under the directorship of Mr. Howard it has moved to the front with rapid strides and feels fully repaid for the work along this line. Mr. Howard is a well known musician of Montana and we have been favored by him in his taking this position and working as he has. The present band is in two divisions; the first band numbering 21, and the second band with a larger membership, making nearly 45 members in all. Present conditions show that next year nearly every boy in the second band will be in the first band, and a 35 to 40 piece organization will be the result. The event of the year for the boys was the trip to some of the high schools of the state where the following program was rendered:

Program given by the M. A. C. Regimental Band on its advertising trip

March—The Promoter *Holmes*
Overture—The King *Thomas*
Clarinet Solo—Old Black Joe (Air and Var.) *Masten*
MR. WILL EDSALL.
Selection—The Defender *Dennee*
Concert Waltz—The Strollers *Englander*
Cornet Solo—The Whirlwind Polka *Levy*
MR. LOUIS HOWARD.
Overture—Il Trovatore *Verdi*
Intermezzo—Cupid's Garden *Eugene*
Selection—Maritana *Wallace*
Finale—Star Spangled Banner

Roster

M. A. C. Regimental Band ♣ Bozeman, Montana

LOUIS L. HOWARD, Director

FLUTE

Arthur Wade, '10, E. E., Minneapolis

SAXAPHONE

Wallace Fisher, '08, Prep., Bozeman

CLARIONETS

Will Edsall, '11, E. E., Bozeman	Elmer Williams, '08, Prep., Radersburg
Guy Kirscher, '09, E. E., Townsend	Dave De Muth, '09, C. E., Peru, Ind.
Archie Miller, '11, C. E., Minneapolis	Glen Lewis, '08, Prep., Dewey
Fred Cook, '08, Prep., Choteau	Lee Anderson, '11, E. E., Bozeman
Tom Brooke, '09, Prep., Twin Bridges	

CORNETS

Fred Homann, '09, M. E., Bozeman	Frank Norman, '10, Prep., Bozeman
John King, '08, Prep., Bozeman	Earl Hall, '10, Prep., Bozeman
Everett Hamilton, '11, E. E., Bozeman	Gilbert Hanson, '09, E. E., Bozeman
Will Thom, '09, C. E., Helena	

HORNS

Wilbur Robinson, '08, Chem., Bozeman	Joe Nordquist, '09, Prep., Bozeman
Willard King, '10, Biol., Bozeman	Glen Luther, '10, E. E., Choteau
Archie Brown, '10, E. E., Great Falls	Claude Martin, '09, Prep., Great Falls
George Hogan, '10, Agr., Musselshell	Clifford Landon, '08, Prep., Manhattan
Hugo Dahling, '11, E. E., Bozeman	

TROMBONES

Glen King, '11, M. E., Fort Benton	Tim Edwards, '09, C. E., Minneapolis
Herman Wilson, '10, Agr., Bozeman	Paul Mitchell, '09, Phar., Bozeman
Robert Heron, '11, E. E., Belt	W. W. Bessette, '11, M. E., Foulton

EUPHONIUM

Chas. Fisher, '08, E. E., Bozeman

BARITONE

Shirley Van Voast, '11 C. E., Townsend

BASSES

Chas. Soper, '10, V. S., Bozeman	Will Haines, '11, E. E., Sheridan
Paul Stanton, '10, E. E., Bozeman	

DRUMS

Walter Livingston, '09, C. E., Bozeman	Louis Pool, '10, C. E., Townsend
Barney Burg, '10, E. E., Columbus	Luther Buford, '09, Prep., Virginia City

DRUM MAJOR

Clinton Booker, '10, E. E., Helena



The Oratorical Association

President.....IRVINE MOUNTJOY
Secretary.....JUNE HARTMAN
Treasurer.....LOUIS ALLARD

We may know infinitely more than we can tell; we may have conceptions higher, broader, deeper than language can express; yet our world-influence is measured by our ability to express what is within us with such power as to win others to our way of thinking. Therefore the mathematician, the physicist, the chemist, the engineer, as well as the student of history, of economic problems and of politics, if he would lead the world to a higher level in his own field, must master the technique as well as the soul of expression.

Annual Oratorical Contest for the Chisholm Prize

April 12, 1907

China	BENJAMIN BERG
The Patriot of Today	LESLIE BECHTEL
Representative Men and Moral Principle.....	O. S. PETERS
Re-creation	BERTHA MARSHALL

O. S. Peters won first place and Benjamin Berg second.

Annual Sophomore-Freshman Debate

December 18, 1907

Resolved, That a committee of arbitration with compulsory power should decide all disputes between capital and labor in the United States.

Affirmative

(Freshmen)

GERTRUDE CAMERON. WILLIARD BROWN. WILLIAM EDSALL.

Negative

(Sophomores)

MARVIN SPAIN. BENJAMIN BERG. FRANKLIN KEENE.

Decision of the judges was for the negative.

Annual Declamatory Contest for the Armstrong Prize

Open only to regular students in the Preparatory Department.

Program

Album Leaf*Scholtz*

MISS ELVA WILSON

Scene between Virginia Carvel and Abraham Lincoln,

RUTH MACINTOSH (Honorable Mention)

The Black Horse and His RiderINEZ DUSENBERRY

The Opera HatMARGUERITE SHELLENBERGER

VirginiaCARLOTTA PERRINE

A Soldier of France,

HAZEL TANNATT (First Prize)

The Team—A West Point Football Story,

ROSE BANCROFT (Second Prize)

A Christmas StoryELSIE HOGAN

The Winds Are All Hushed*DeKoven*

MISS AMY LOVELACE

Decision of Judges



Freshman Plays

"The Merchant of Venice Up-to-Date," March 21, 1908.

"Mr. Bob," April 17, 1908.

The Domestic Science Club

Born 1895. Died 1907,
of general debility brought on by means of the excessive use of
prize-in-every-can baking powder.

The rolling pin has ceased to roll—
The kitchen fire is low ;
The pots and kettles dress in black ;
The 'lasses takes it slow,
The 'tater weeps with might and main,
His eyes refuse to dry.
The teapot wails a mournful wail,
“Why did it have to die?”



The Agricultural Club

Date of birth forgotten. Died 1907,
of a weak heart and moss-on-the-back. Is buried
back of the piggery.

Sleep on embalmed and sainted dead,
The best ye had ye gave,
No impious footsteps here shall tread
The herbage of your grave,
Nor shall your glory be forgot
While fame her record keeps
Or “hawgs” root up the hallowed spot
Where Aggy proudly sleeps.



Winteria

WHEN the library is crowded and the boys are raising Cain
With the co-eds in the alcoves till they screech as if in pain,
Then we hear in gentle accents, like the breezes through the trees,
Or the whip-poor-wills a-calling, "Won't you stop this talking, please?"

A momentary hush is heard and the noise begins again
With a steady growth in volume like the coming of a train.
Then we hear no gentle accents but as though a rifle popped
Rips that dictate through the ether, "Now, let's have the talking stopped!"

Now and then a book goes whizzing, impelled by a Senior bold;
Strikes the head of some poor Short-horn; lays him out all stiff and cold.
Then we hear that voice say sweetly, in its tones so mild and meek,
"From this room you are excluded; I have canned you for a week."

Sometimes lovers in the alcoves, heart to heart and hand in hand,
Spinning yarns about their future, think, they're in some distant land,
When there looms an awful vision hard upon Dan Cupid's port,
And these words come down like hammers, "An alcove's no place to
court."

Mary's boys are lots of trouble with their fun at her expense;
With their courting in the alcoves and their total lack of sense.
But they hope she'll quite forgive them when she thinks the matter o'er,
Of their youth and love of mischief—happy time that comes no more.

Soon they'll leave their Alma Mater far behind them in the strife,
With their sheepskins in their pockets and the co-eds' pals for life;
Then they'll think of Mary Winter and her cares extremely deep,
While the co-eds do the talking and they rock the kids to sleep.

Publications



THE EXPONENT.

15

The Exponent.

A Journal Published Monthly During the College Year by the Students of the Montana Agricultural College.

EDITORIAL STAFF.

MAMIE L. ALWARD, '08.....	Editor-in-Chief
C. LISLE HENDERSON, '09.....	Assistant Editor-in-Chief
LOUIS W. ALLARD, '10.....	Business Manager
WM. T. LEFEVRE, '10.....	Business Manager
S. ALICE CHISHOLM, '11.....	Literary Editor
FRIEDA M. BULL, '07.....	Alumni Editor
JUNE HARTMAN, '10.....	Exchange Editor
J. WILBUR ROBINSON, '08.....	Athletic Editor
EDNA B. TRACY, '08; AMY M. COOKE, '08.....	Local Editors

Subscription fifty cents per annum in advance; ten cents per copy. All matter must be in by the first of each month. Address all literary matter to the Editor-in-chief, and all business communications to the Business Manager.

Entered in Bozeman Post Office as second class matter.

The Exponent

The Exponent

It is doubtful if there has been any department of college life which has had more difficulties to surmount and has progressed more steadily than the *Exponent*. The pioneer days of our college paper are now past, but like nearly all new enterprises it had its struggle for existence. The writer cannot from personal experience give the most ancient history of the *Exponent*, but four years of connection with the staff cause some events of mediæval date to stand out fairly prominently.

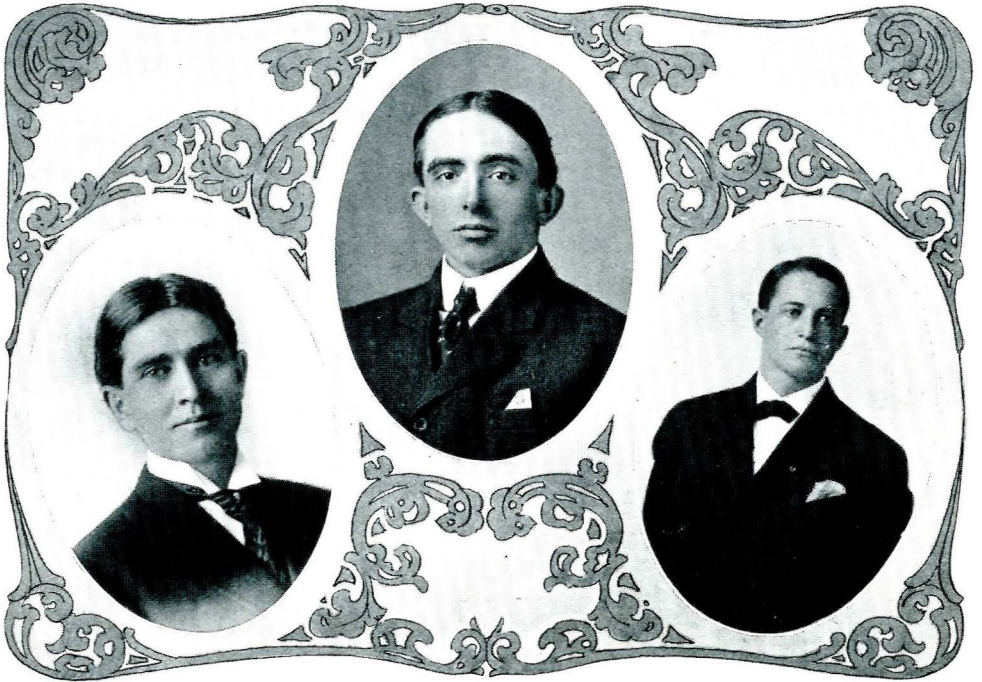
In correction of what was said in last year's Annual, that the students had charge of the paper from 1896 on, it should be noted that while the students had charge, the editorial staff was under supervision of the faculty until the spring of 1901, which will be shown by the following editorial taken from the November, 1901, number: "With the present issue begins a new epoch in the history of the *Exponent*. In the past years of its existence the faculty has held control over it to a certain extent. This year it was decided to waive this right and place the entire management with the students."

The writer well remembers the discussions and grave predictions concerning the fate of the poor *Exponent* by the "knockers" who existed at the time, but Mr. A. N. Clark, who is now assistant editor of the *Engineering News*, was elected editor-in-chief and Herbert Faris, now a rising young Alaskan attorney, business manager. This was a pair of rustlers and gave the *Exponent* a good start. Next year our present county attorney, who was then a beardless youth just from old Virginia, became the money rustler for the concern and did it well too, so that the *Exponent* survived a second year under exclusive student control. The "knockers" were now being relegated to the museum and the *Exponent* was commencing to have clearer sailing and those who have kept in touch with its growth have noticed that it has been decided each year.

Now, we wonder, if it has ever occurred to those who have the *Exponent* placed in their hands once a month for about five cents per, how much time, attention and worry it is costing those students who are at the helm to put it there. For instance, we remember one editor-in-chief who had the unalloyed pleasure of writing nearly all the copy for one issue and then being his own mailing clerk. But this is mediæval history and we feel sure that conditions have changed and that many are now willing to lend a helping hand for the good of the college paper.

In all there have been eleven student editors-in-chief and all of these have survived well the ravages of time with the possible exceptions of a few bald heads. Nine out of this eleven were men and two women, the present incumbent being one of those of the fairer sex.

That the *Exponent* has come to stay and that it is necessary that it should stay needs no comment. What the M. A. C. college paper will be in another decade it is hardly safe to predict, but it is an almost certainty that each succeeding year will bring it more contributions, more subscriptions, and more advertising patronage.



The Montanian

'07-'08

*Published by the Junior Class of the Montana State College of Agriculture
and Mechanic Arts*

Editor.....O. S. PETERS

Business Manager.....W. W. SPAIN

Staff Artist.....C. L. HENDERSON

Editorial

The second Annual of the Montana State College is now ready for the press and the '09 class, which has acted as its guide thus far, consigns it to the tender mercies of the printer, trusting that when he is through with it the people who have aided us with subscriptions and advertising will feel as though their dollars and our time have been spent on something worth while. If this book shows any improvement over that of the year just past we are thankful. The class of '08, in blazing the trail, was beset by difficulties of which we know nothing, and so we trust that our added efforts will make the way easier for the class which follows us to produce something far better than this. To the business men of Bozeman and the state, who make this book a possibility, we extend our thanks for their generous assistance. The annual is in its infancy

and needs fostering. Some day in the future, when the student body has reached sufficient size, this publication will become able to support itself, but meanwhile it needs financial boosting. This boosting, at present, may seem like dumping pearls before swine, but we assure you that any bread cast upon these particular waters will be returned a thousandfold.



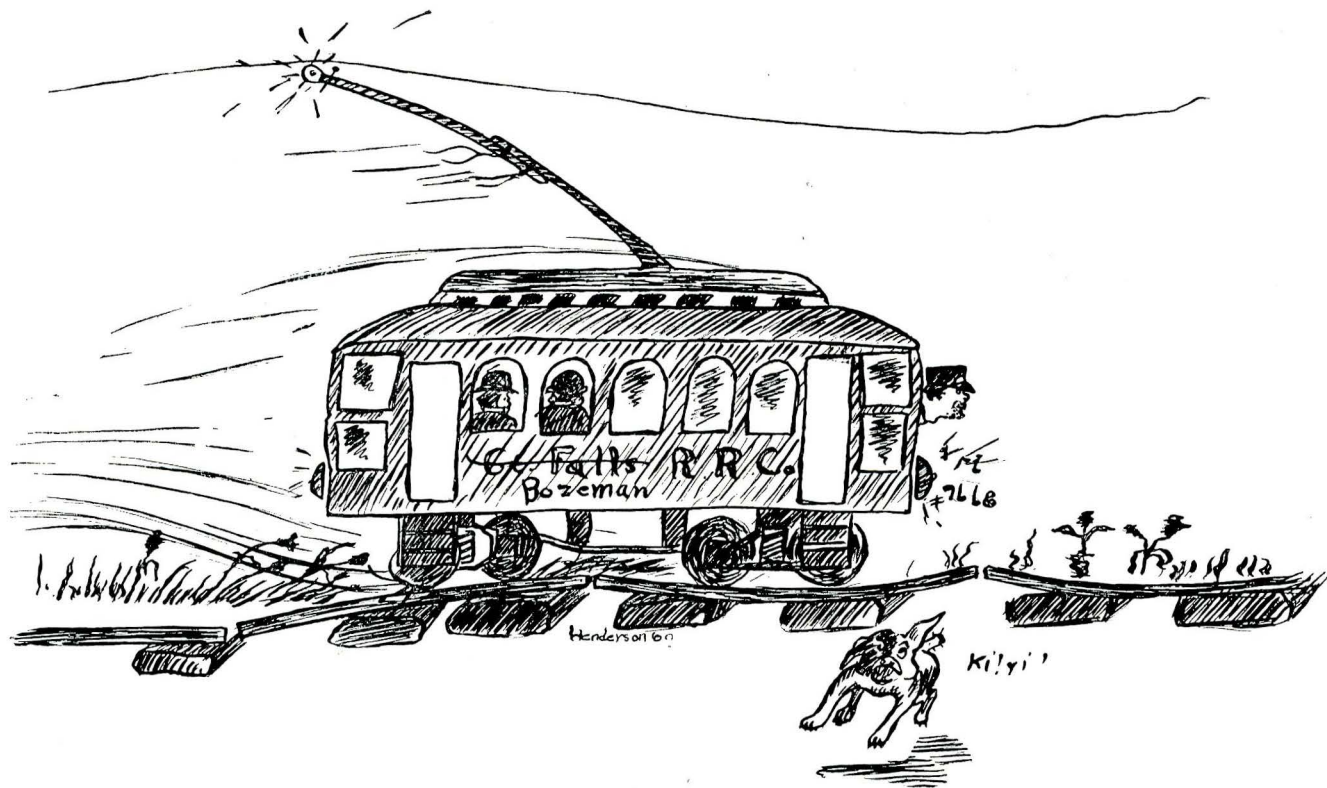
Before sending this Annual out into the world we have given it a name. In a few years our college will represent, not Bozeman nor a small locality surrounding it, but Montana. The thoughts concerning their respective states which are conveyed to us by the names, Purdue, Ames and University of Illinois, will be brought to the mind of the country at large by the sounding of the title, "Montana State College." In a commonwealth like this, which is an Eldorado of undeveloped resources, this growth is sure to come to its institutions of learning. What, then, could be more desirable than to have the successive issues of this book woven, in name as well as in spirit, into the history which our alma mater is destined to make? THE MONTANIAN will associate it at once with an educational force that stands for the highest there is in technical training, loyalty to the state which supports it and the noblest ideals of manhood and womanhood. If found in some far distant corner of this great land no one will have to ask where this book came from. Its appellation will speak plainer than words. Embodying the yearly history of a student body which is essentially a product of this vast expanse of plains and mountains (and which is home to all of us), its name, being peculiar to Montana and an outgrowth of her intellectual development, will become more dear to us each year of our lives as we turn its pages from time to time, renewing old acquaintances and living the familiar scenes over again. Lastly, since the state and its educational forces are so closely united and our book will be representative of both, we make this request, that whatever shape it may take, as a book, that THE MONTANIAN be adhered to as a fitting title by the classes which follow in our footsteps.



Faculty and students have dealt liberally with us this year and we appreciate it. Some have been tardy in handing in pictures and to these we would say that the Annual is not merely a class book but belongs to the institution, and insofar as each student or faculty member holds back the slight favor asked of him he detracts from the perfection of the book and leaves a gap which is painfully apparent to those most interested in its welfare. So let each one be prompt when called upon.



We are indebted to the Gridley Publishing Company of Great Falls for the picture of the cow-puncher in the cover design, and to C. Lisle Henderson for the manner in which he has portrayed the different members of the faculty with respect to their several vocations.





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Chicago

CAREFULNESS
the first duty of mankind

Kuppenheimer

GUARANTEED
Suits and Overcoats

Suits, \$15 to \$30
Overcoats, \$13.50 to \$30

CAREFULNESS
the first duty of mankind

Q A duty to your studies; a duty to your profession; a duty to your home, your friends, and a duty you owe to your personal appearance. **Q** The man who is careful in these things is careful also about the store where he buys the clothes he wears. This store is careful — careful about the goods it buys and sells; careful about the styles; careful about the quality; careful in outfitting patrons, and careful to please.

KUPPENHEIMER Guaranteed COATS and SUITS

are carefully and correctly fashioned from the very best materials; carefully tailored by expert craftsmen after the latest fashions of the period — in fact, are the highest-class garments made.

Suits, \$15 to \$30
Overcoats, \$13.50 to \$30

The Golden Rule



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The House of Kuppenheimer
Chicago



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The House of Kuppenheimer
Chicago



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Chicago

Lemonade

On Friday morn we all assemble
In College Hall's top story;
Indulge for awhile in lilting song
And hear some oratory.
The ivory's charmed by Arabelle—
Sweet Phyllis' tones are mellow.
Soon Prexy trots out his little plate
Of lemons large and yellow.

On wings of music we soar above
And leave our cares behind us.
We think that trouble was never
known
Nor will our studies find us.
But while we float in the atmos-
phere,
Up close to the starry sky,
The system receives a mighty jolt—
A lemon stops in an eye.

The fruit is scattered around the
room
Without discrimination.
Until spongy heads with lemon
juice
Are soaked to saturation.
The orator is then introduced
With encomium sublime
Of scraps he's had and victories
won,
On the long, hard Trail of Time.
He works his windmill with might
and main,—

Savagely tearing his hair
Concerning "Montana's Only
Hope,"
And they calmly let him tear.
For Freshman ninnies will only
spoon
Or plot 'gainst the Sophomore,
While the Juniors sit with faces
blank,
And the Seniors sleep and snore.
Atkinson fidgets and scrapes his
feet
While Elliott dreams of whey,
Cobleigh think he's an automobile
And the Sophs. get in his way,
Tannatt computes the Missouri's
flow
With a coefficient c,
While Kneale smiles sweetly across
the way,—
The other, "I wish 'twas me."

But hocus! pocus! presto! chango!
The oration finds a close.
The faculty wakes, the students
cheer,
But just why nobody knows.
A few remarks about gimlet heads
Lend snap to our dismissal,
And we wander slowly down the
stairs
Too sleepy, most, to whistle.

MONTANA

Agricultural College

GENERAL INFORMATION

THE LOCATION, in Central Montana, in the famous Gallatin Valley, covered far and wide with grain fields and hemmed in with lofty mountains, is unsurpassed for beauty, health and convenience. Bozeman is a city of homes and churches, with a wholesome moral environment. It is a most desirable residence city for families who wish to educate their children. Expenses are moderate, and there are all the conveniences of a modern city.

COURSES OF STUDY

- I. Civil, Electrical and Mechanical Engineering.
- II. Agriculture, Horticulture, Dairying, and Animal Industry.
- III. Domestic Science, Art and Music.
- IV. Chemistry, Biology, Mathematics and the Languages.
- V. Academic, Manual Training, and Domestic Science; Preparatory Courses.
- VI. Winter Courses in Agriculture and Mechanic Arts.

EQUIPMENT

Complete Laboratories in Chemistry, Physics and Geology. Art Studio in Water Colors, Oil, China, and Wood Carving. Extensive Foundry, Wood, Iron and Machine Shops. Model Dairy, Greenhouse and Farm Buildings. Well Equipped Cooking and Sewing Rooms. An entire building for Electrical Work. Special Facilities for Irrigation Work. Fifteen College and Station Buildings. Three hundred and ninety Acres in Experiment Farm. Thirty-two Members in the Faculty.

For Catalog and further information, address

JAMES M. HAMILTON, *President*, BOZEMAN, MONTANA



BOZEMAN, the beautiful

Affords unusual facilities for sustaining & developing the ideal home

Pure air and sparkling water, fresh produce in profusion. Climate just mild enough to make life buoyant, growth rapid, and maturity certain. Educational opportunities unusual. Nature, the Nation and the State have conspired to unite here the best for the sustenance and development of mankind. ¶ While nature and society have done much,

The Provider

as a part in the commercial element, is, by wise cash methods, adding economy to quality, providing the best for the needs of a prosperous people.

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Get Expert Advice

About your Eyes

When dealing with a delicate organ like the EYE, there should be nothing left to chance. The science of optics provides the most precise mechanical devices for measuring eye defects. These instruments are infallible—they never go wrong. Having the necessary appliances and being skilled in their use, we do not hesitate to invite you to come to us with your eye troubles.

Any day is the right day as far as we are concerned

H. A. Pease & Company
Jewelers and Opticians

SQUIRE C. KENYON, President

THOS. E. NOBLE, Vice-President

CARLISLE S. KENYON, Secretary

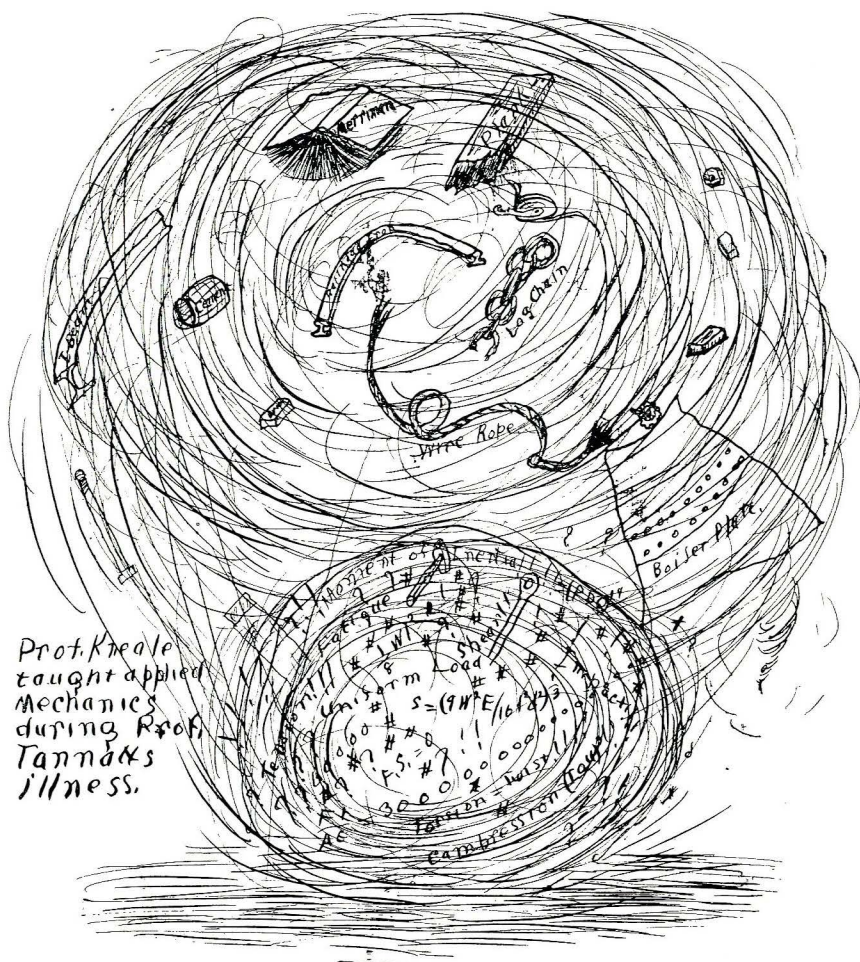
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THE HUB

— *The Student's Store* —

HART, SCHAFFNER & MARX

“College System”
Clothing

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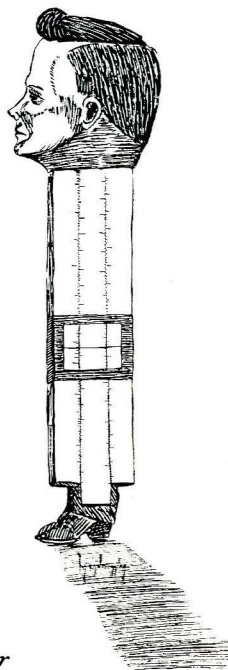
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A black and white illustration of a man and a woman standing next to a large, ornate stove. The man, in a suit, is pointing at the top of the stove. The woman, in a long dress and hat, is looking at the stove. The stove has multiple compartments, including a large oven at the bottom and a smaller one on top.

¶ We want to tell you of
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with the polished top that requires no blacking. No more dirty hands.

¶ Duplex Double Draft, that burns the fuel evenly and bakes your bread perfectly. The reservoir holds fifteen gallons of water. One of the users writes us that all she has to do is to shake the grates a trifle and instantly the fire responds and heats up the top of stove sufficiently to do all her cooking without placing the vessels next to the fire. No blackened pots for MONARCH users.

¶ See one of them at
**Owenhouse
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English Department.

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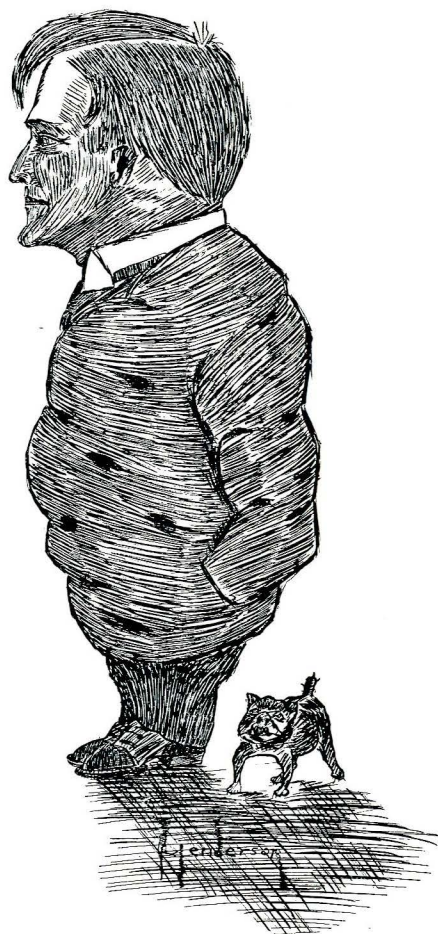
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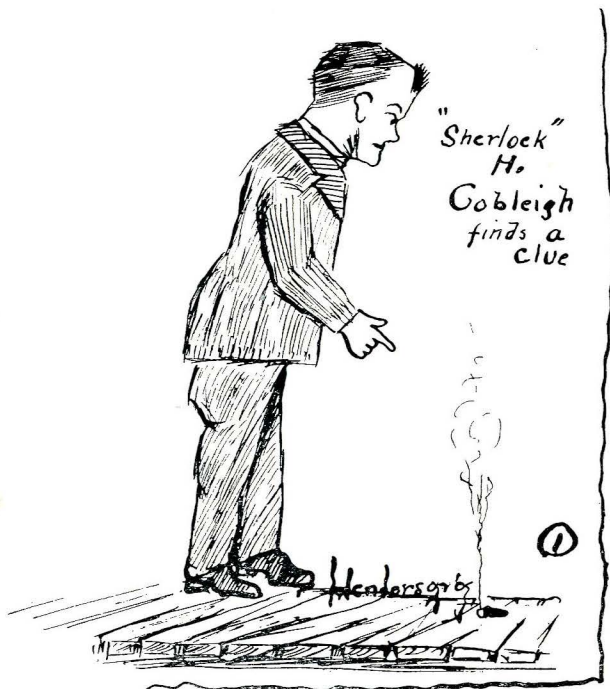
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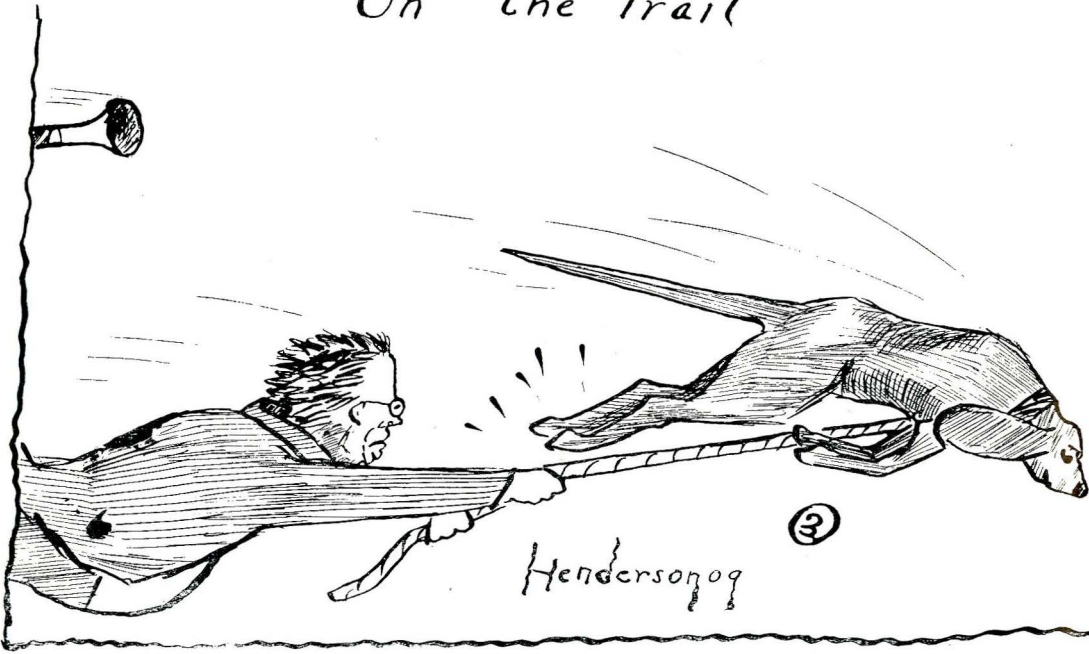
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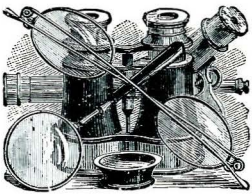
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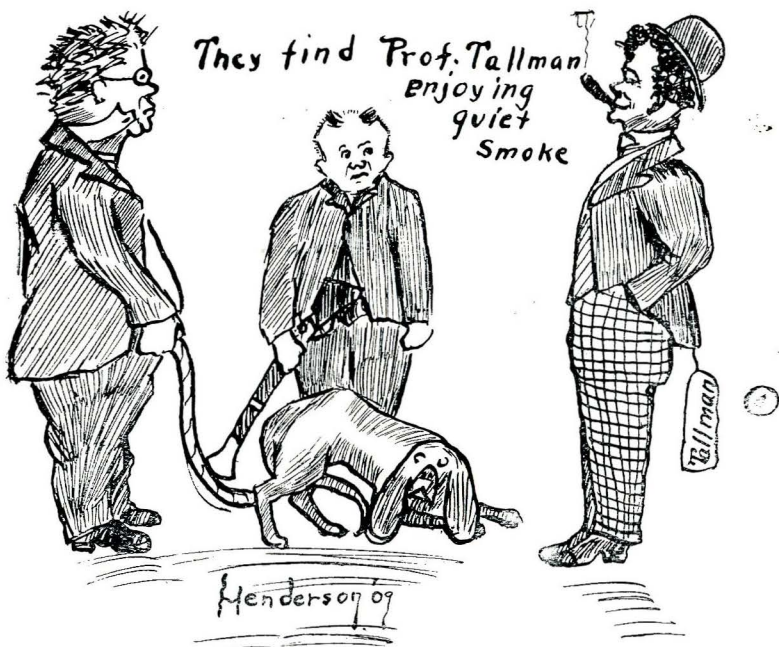
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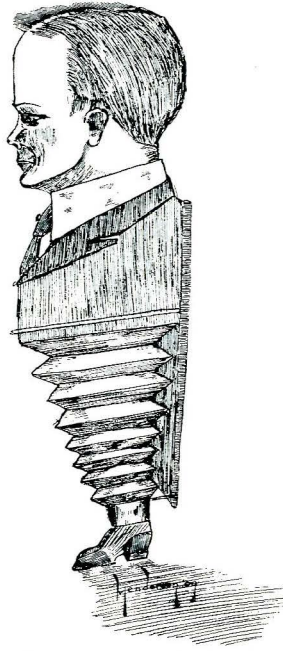
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A small boy about the size of a woman, with his father's boots on. The last time he was seen he was going up Main street with a gunny-sack of skylights on his back. Some one asked him where he was going and he told them that he was going up to the Antiseptic Barber Shop to try their New Vibrator. It is a dandy.



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Senior boy enters crowded street car and stands near a Freshman girl who carries a huge muff and is clinging to a strap. Hence one end of the muff is vacant. Senior inserts one hand in unoccupied end of muff. Lady blushes. Finally she says, "Mister, I don't know who you are or where you came from, but I ride up on this car every morning."



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Driscoll—"Well, I won't wear any cap and gown!" *Hartman*
(echo)—"Never! never!! never!!!"



LOVE'S YOUNG DREAM.

J. Sexton James—"I believe that this here getting married is all a blamed fake." *W. Guy Kirscher*—"For my part, I think that it all depends on the people who get married."



N. Keene (reminiscently)—"Prof. Ham looks just like one of these here fellows who discover something and then die before they find it out."



Prof. Tannatt (in Mechanics class)—"It is by our failures rather than by our successes that we become proficient in our chosen work." *Willie Throm*—"Well, I'd ought to be a pretty good man bye and bye."



Livingston—"Well, that's the way we did it over on the Milwaukee."

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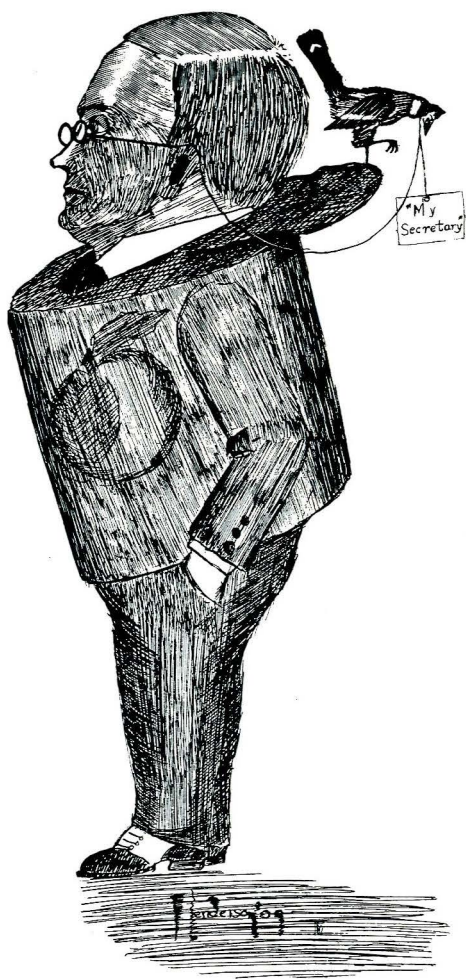
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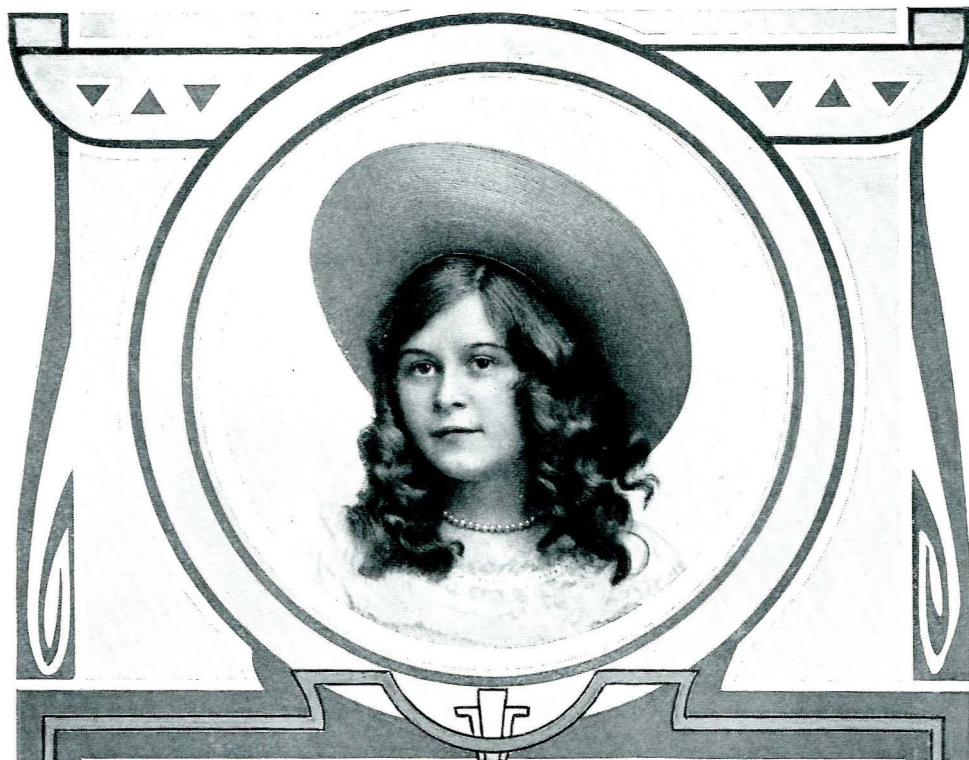
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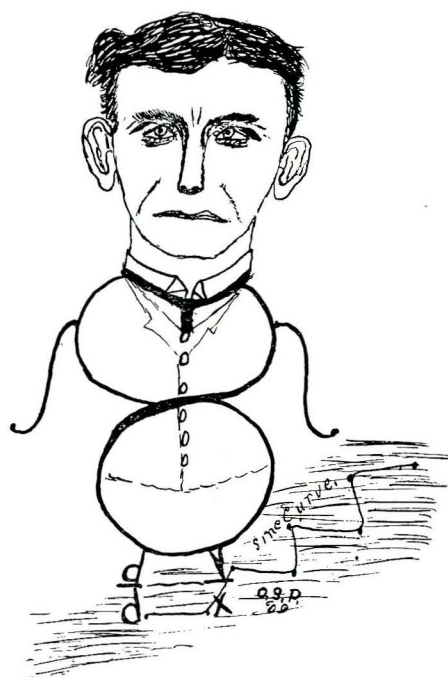
YOUR work and our relations with you have been most satisfactory.—EDGAR C. THOMPSON, Business Manager "Arbutus," Indiana University, Bloomington, Ind.

EVERYTHING has been satisfactory, and we are delighted with your work.—EDWARD A. ROSS, Editor-in-Chief "Debris," Purdue University, Lafayette, Ind.

YOUR work for the "Cincinnatian" was entirely satisfactory, and we appreciate your attention and promptness.—BERNARD C. BOWEN, Business Manager "Cincinnatian," University of Cincinnati, Cincinnati, O.

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Domestic Science Girl—(in meat market)—“Give me three yards of beefsteak, please, and oysters enough for two.”

❧

Freshie (to *Soph.*)—“What is the name of this street?” *Soph.*—“It’s called the thirteenth of October.” *Freshie*—“Gee whizz! If we turned the corner we’d be in the middle of next week.”

❧

Buzzy (to bunch)—“My sister told me not to tell anybody that she wrote this story, and I ain’t going to either.”

❧

Prof. De Muth (in calc. class)—“If it takes 3 hours to boil a cabbage, how long will it take *Prexie* to can a Freshman?”

❧

Prof. Dearborn (in forge class)—“What is the essential difference between cold and hot blast pig?” *Brilliant Soph.*—“Don’t know; I’m not taking cooking lessons.”

❧

First Soph. Girl—“What is our class president’s favorite song?”
Second Soph. Girl—“Why, ‘Waiting at the Church,’ of course.”

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FRESHMAN LETTER (Continued from '06 and '07)

My Dear Mama—

i have Just got to M. A. C. and its fine here and every place i go everybody looks at me and comes and asks me where i am from. i tell them i'me from helena and they think i am all right. And then they asks me what i'me going to take and i tells them and oh ma i wish you could see the president. They all tells me i look so much like him and—the mountains here are so tall and beautiful and ma one of the college girls told me the other day that i was just a dandy. well ma i have to cram my anelitics and look over my remsens Kemistrie and tend to a lot of other things so i guess i will not write any more this time from your loving sun

CLINTON BOOKER.

SOPHOMORE LETTER

Dear Mater—

Your loving Henry lit in Bozeman right side up and since then has been working the glad mitt gag overtime. Called on the rosebud yesterday but it made a noise like thirty cents. Somebody sure frosted my punkin. My morning glory wilted and they threw it in the ash barrel. I'm in training now and when I meet the villain who waded into my peach tree there will be a strange face in heaven before the returning sun gilds the topmost peaks of these rock-ribbed mountains which frown in solemn grandeur upon this beautiful valley. Calculus is a lead-pipe cinch and Lab. work is just like coasting down hill with a pretty girl by your side who is afraid she will fall out. By the way, Mater, rocks are scarce at this end of the line so just enclose a few simoleons when you reply.

Lovingly,

CLYNTON BOOKER.

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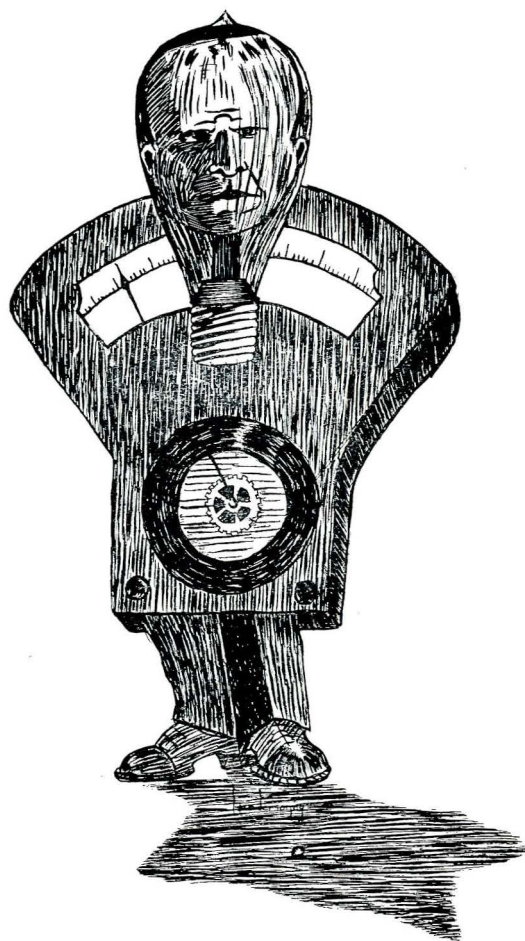
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CHICAGO



Much Ado About Nothing

For several days there had been a severe strain in the ether. Prof. Thaler's wireless station in the Electric Lab. had been acting queerly, and Burke's weather apparatus had predicted cyclones, tornadoes, blizzards, earthquakes, volcanic eruptions and landslides. Prof. Tallman had proved by means of the equation $X^{10} + Z^{14} + K^2 + A^2Y^3 + M^{11} + N^{21} + Q^{15} - J^9 = (P D Q)^2$ that a comet with a tail 14,000,000,000,000 miles long had decided to intercept the earth in her majestic swing through space and settle a long standing dispute as to whether comets or planets should rule the solar system. Prof. Ham emptied a pail of water into a tank of H_2SO_4 and strange phenomena followed immediately. The atmosphere was charged with Webster's choicest, for hours afterward. Prof. Swingle solemnly announced that he had discovered the Elixir of Life. Owing to the recent disturbances in the universe a bacteria, i. e., Hypochondriad Protoplasmusian Labercltheriaphoidosmia had been deposited on the molecules of dust in the air. He had collected them by means of an automatic hydraulic accumulator and injected them into the veins of a jack-rabbit whereupon Jack immediately manifested a desire to fight a bear.

But how infinitely far they all were in their theories from the real cause of the apparently impending cataclysm. What was it, do you say? Simply this, the Freshmen and Sophomores had declared war. War to the death! Blood must flow fast and free, and no quarter! The battle must wage until



the last man had received his quietus. With grim visages the combatants to be went about their daily duties, conscious that the time was fast approaching when they would all be sleeping beneath the turf which they now trod with languid feet. Verily, it was a solemn time.

But one day the angel, Arbitration, stepped in and said, "Why not have a tug of war? Think of all the bloodshed it will save and honor will be satisfied as well."

Like a drowning man grasping at a straw, they took the idea unto themselves. The day for the great pull was set. It was to take place across a pond full of microbes, chaff and mud. A tremendous hawser had been provided that, according to Prof. Cobleigh's computation, would withstand a stress of 2,537,912,576,423,325.8 dynes. From the chemical and physical equations of the antagonists, he had deduced the fact that they could exert a force of 2,537,912,576,432, 325.75 dynes on the rope. Therefore the rope must hold.

The gladiators ranged themselves on either side of the mire—fifty-two grim warriors in all. They grasped the rope. Prof. Cooley wore out a pair of patent leathers and 4,000 Kilowatt Hours of energy getting them started according to regulations. Snap went the pistol. But it just snapped, that was all. Next time the pistol exploded. Yo-heave-O! The rope tautened, stretched—and parted. Somewhere in his figuration Prof. Cobleigh had lost .050000001 part of a dyne and the knights bit the dust as one man. A splice was made with alacrity. The pistol popped once more. Again the rope tautened, stretched—and parted. The knights also bit the dust. But they were tired of eating dust. Supper looked better to them anyway, and honor had been satisfied if the crowd had not. So they vamoosed. Peace reigned in the old college once more.

Some of the Fundamental Principles of Domestic Science

1. A Brussels carpet will wear longer if nailed on the ceiling of the room in which it is to be used.
2. Lace curtains will keep clean for some time if done up in a sheet and laid away in a lower bureau drawer.
3. If troubled with rats, place an automatic, double-acting, re-iterating phonograph in the cellar and equip it with a record containing a full report of the Senior class meeting during which the disposition of the surplus funds resulting from their "Annual" deal of last year was dis(cussed).
4. To amuse the infant son and heir, give him a looking glass and a hammer to play with.
5. Under no circumstances should housework interfere with social duties.
6. When the old man comes home at night from a hard day's work, let him pass the evening sawing wood. It's a tonic for his jaded nerves and keeps him out from under the feet of after dinner callers.
7. To attain the maximum efficiency of soap and water with respect to elbow grease, do not allow dirty dishes to accumulate for more than three weeks, or less than two.
8. A breakfast menu consisting of flapjacks and burnt water is plenty good enough because no one is liable to drop in for a feed at that hour.
9. Sweep the floors and dust up once a month whether the house needs it or not.



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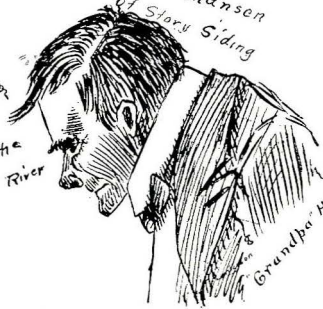


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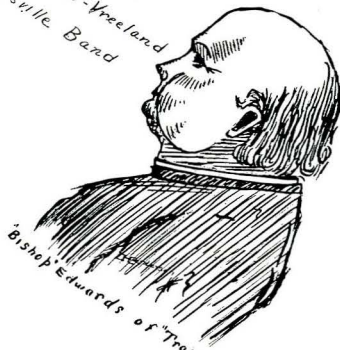


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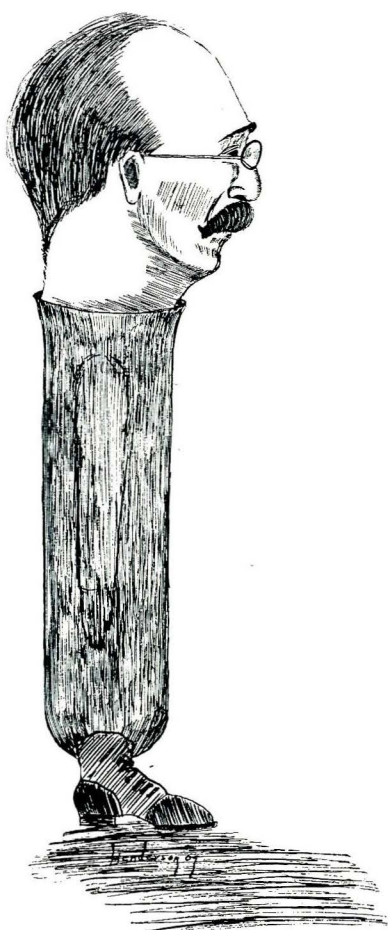
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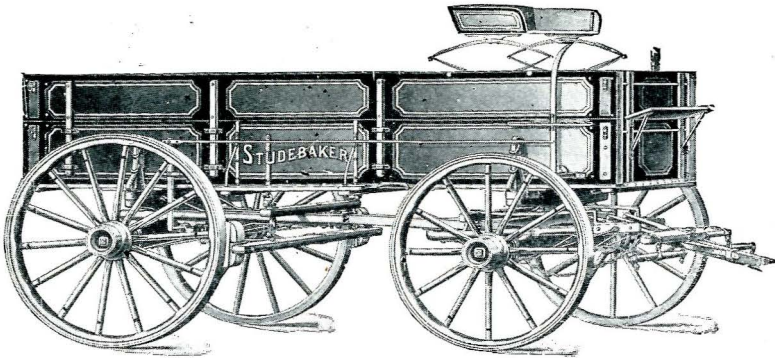


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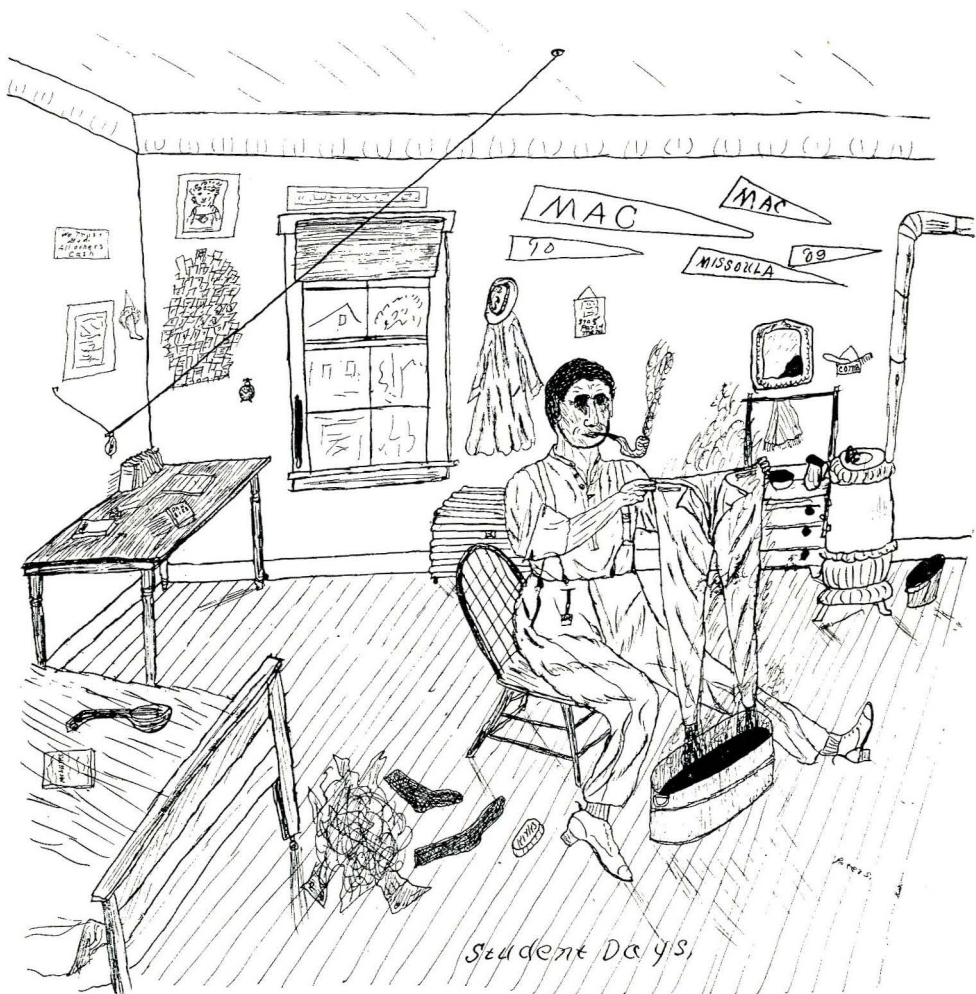
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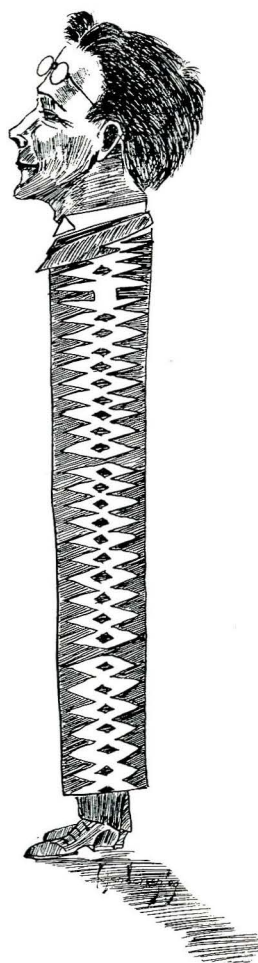
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- Wanted—A write-up in the *MONTANIAN.* *Hazel T.*
- Wanted—A job driving hogs up an alley. *Sam Kittams.*
- Wanted—A marriage license and a girl to go with it. *Thaler.*
- Wanted—To start a mutual admiration club. *Wm. T. LeFevre.*
- Wanted—A renter for a portion of the physics lab. *Amy Cooke.*
- Wanted—To know if Auerbach was made in Germany. *Gottschalk.*
- Wanted—To know the density of a Freshman's intelligence. *Prof. Ham.*
- Wanted—That everybody should know what a smart boy I am. *Kirscher.*
- Wanted—To know if Dearborn ever looked anything up. *Charlie Henderson.*
- Wanted—To know why a man can't have a house with barns in it. *Kneale.*
- Wanted—A contractor to supply tin cans and lemons for the coming year. *"Prexie."*
- Wanted—To know if I'll have to wear a gown when I get to heaven. *Driscoll.*
- Wanted—To know how I got through Prof. Currier's class-room window at 12:30. *Cotton.*
- Wanted—To know what a man should do when he has 9 girls and 0 dollars. *B. S. Hind.*
- Wanted—That every one should know how things were done "on the Milwaukee." *"Buzzy."*
- Wanted—A boy to tend a furnace with good habits and agreeable disposition. *W. F. Brewer.*
- Wanted—A little petticoated governess about Gretchen Fisk's style to take to places. *J. S. James.*
- Wanted—That everyone should know what a "stand in" I have "with the boys." *Erma Noble.*
- Wanted—To know what George Hogan has in that tin pail he carries all the time. *Ruby King.*
- Wanted—A marriage license. *W.W. Spain, F. C. Homann, Edna Vreeland, Guy Kirscher and Edna Bull.*
- Wanted—To know why the Preps. should be so easily frightened by an old man with a gun. *Edmund Burke.*
- Wanted—To know why my mind always feels like a cipher with the rim knocked off when a physics test is on. *Stanton.*



A. S. B.—"If I should kiss you, what would you do?" *H. F.*—"I never meet an emergency till it arises." *A. S. B.*—"But if it should arise?" *H. F.*—"I'd meet it face to face."



Lisle H.—"You should make a fine pianist, Addie; your hands are just the right size to play with."



Prof. Kneale—"Where is the rest of the class?" *Kirscher* (entering)—"Here."



First Student—"What do you usually put on your face after shaving?" *Second Student*—"Court plaster."



Mrs. Hall—"Correct the sentence, the horse and cow is in the field." *First Prep.*—"The cow and horse is in the field." *Mrs. Hall*—"Why do you correct it that way?" *First Prep.*—"Because it is more polite to put ladies first."



Prof. Tallman—"The examination questions are now in the hands of the printer. Are there any questions to be asked?" *Chorus*—"Who's the printer?"



Prof. Cobleigh—"Mr. Gottschalk, just what is space?" *G.*—"I can't just express it, but I've got it in my head."

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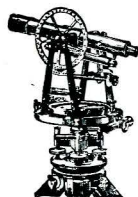
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