

The Helio-stat

M. A. C.-1896



J. F. HAMMELL.

The Boys KNOW A GOOD THING WHEN THEY SEE IT.
THAT IS THE REASON THEY SMOKE ✧

Jim Hammell, Hammell's Little Drummer,
or Hammell's Capitol Cigar. ✧ ✧

ALL HAND MADE.

BEST IMPORTED STOCK.



P. J. HAMMELL.



Acc. # UH 540

Buy Your Clothing of ...

...ONE PRICE...
TO ALL.

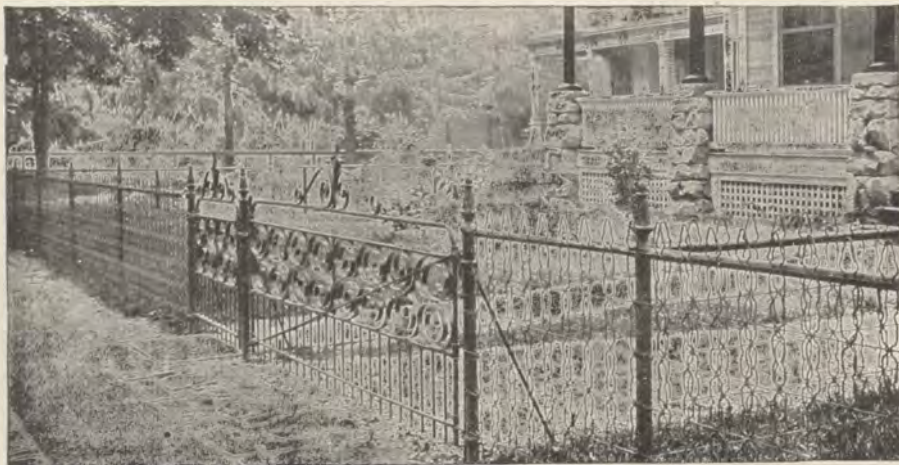
The Mapes Clothing Co. —

Largest Stock in the City.

No Old Goods,
All New, Bought for this Season's Trade.
Sold for the Lowest Price.

207 and 209 Washington Avenue S.
Lansing, Mich...

PROF. W.—“Where does Java coffee come from?” HUGHES—“From Java, South America.”



THE HARTMAN —

STEEL

PICKET...
FENCE

Stronger than Iron. Cheaper than Wood.
Handsome than Either.

NEEDS NO REPAIRS !

EASILY ERECTED !

ALL STEEL ! TASTY !

Send Diagram of the Fence you want and Get our Estimate.
Is highly ornamental—adds great beauty to the lawn. Can't
blow down, can't rot away, can't burn down. Well adapted to
gardens, parks, cemeteries, church lots, school grounds, etc.
Let us tell you more about it.

HARTMAN MFG. CO.,
.....OF ELLWOOD CITY, PA.

Acc# UA 540

The Greatest Luxury...

A GENTLEMAN CAN ENJOY

 Is a Comfortble and Neatly Made Suit of Clothes, a Hat, Tie and Shirt to correspond. We make a specialty of goods of this character and invite you to call on us.

Yours very respectfully,

 **H. KOSITGHEK & BROS.**

COLLEGE BOYS

WILL FIND A FULL LINE OF.....



Text Books, Stationery,
Hammocks, Wall Papers,
Latest Novels and Books in Sets,
Pictures and Frames,

AT

Lansing Book & Paper Co.,

120 WASHINGTON AVE. N.

At Pine Lake: DIDDLES—"Why wouldn't some of the M. A. C. co-eds notice the college band boys at the lake?"
DADDLES—"Because members from a certain Society were absent."

TURNER GROCERY CO.



Staple and Fancy Groceries

111 Michigan Ave. E.

BOTH PHONES

TRAGER BROS...

509 MICHIGAN AVENUE E.

**Fresh and Salt
Meats.** 

 Two of the College Clubs patronize us. We invite
anyone to try us. Always have the best meat in stock.

There is nothing as nice for summer wear as
one of our

Linen Suits

and the ones we are offering at \$5.00 are
great values.



Come in and see the line of

Negligee Shirts

with the up-to-date collar.

No nicer line of . . .

Straw Hats

in the city, and from now until the close of
the season will make great reductions in price.



ELGIN MIFFLIN.

We Bid Ye Come . . .

TO US FOR ALL YOUR

FURNITURE.



All Goods Delivered Free
to the College.

M. J. & B. M. Buck.

Furniture, Curtains, Undertaking.

R. B. Shank & Co., Leading Grocers, Bakers and Confectioners



for ladies

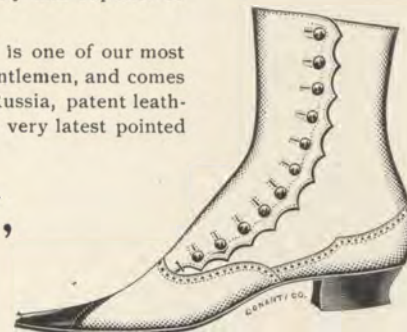
We call especial attention to our extreme needle toe "Columbia" at \$3.00 (like cut) which we claim superior to any \$3.00 shoe shown in this city and superior to most \$4.00 shoes. Lace or button, black or russet.

for gentlemen

The new "Lennox" is one of our most popular styles for gentlemen, and comes in wine and brown Russia, patent leather and fine calf at \$3.00 to \$6.00. Our "Stiletto" is the very latest pointed toe and absolutely correct.

C. D. WOODBURY,

103 Washington Ave. South,
Lansing, Mich.



Try **S**harpsteen's Studio...

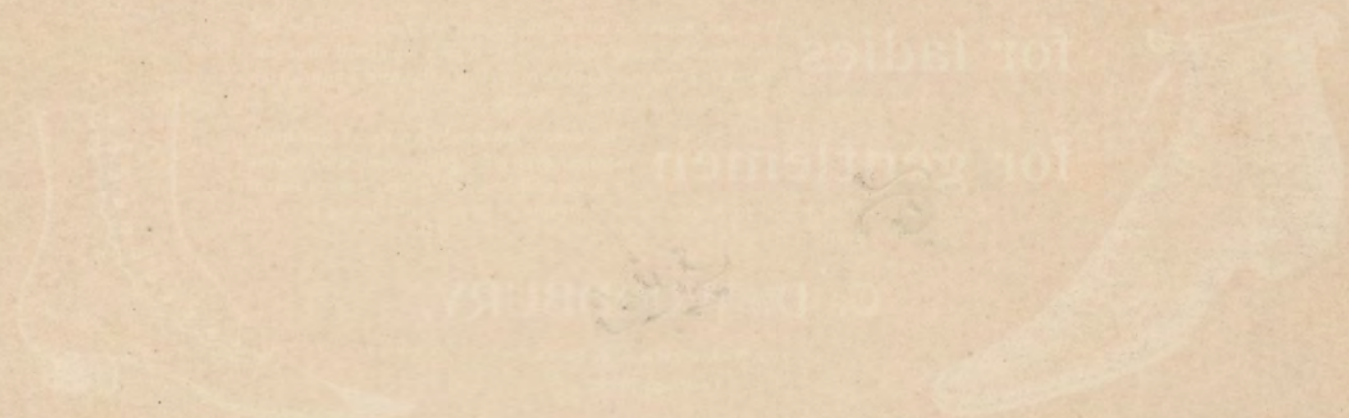
When you want a Photo
and see if you don't get satisfaction.

Corner...
Washington
and Michigan
Avenues.



Compliments of

H. B. Spaulk & Co.,
Reading Orders, Bakers
and Confectioners

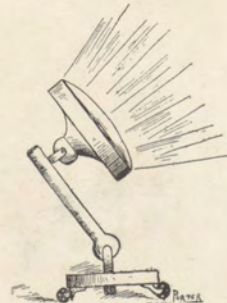
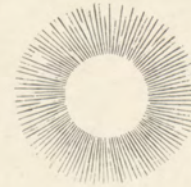


CITY OF BOSTON



Duchess of Devon

The Heliostat ☼ ☼



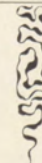
Michigan Agricultural College.

1896.

Published by ☼ ☼



The Class of '97.





BOARD OF EDITORS.

Editorial Staff. • •

Editor-in-Chief, E. DWIGHT SANDERSON.

• Department Editors. •

Society,
C. B. LAITNER.

Athletic,
S. J. REDFERN.

Class,
L. S. MUNSON.

Literary,
ELWOOD SHAW.

Humorous,
J. A. ELLIOTT.

Local,
CLINTON D. BUTTERFIELD.

Historical,
S. H. FULTON.

• Business Managers. •

W. R. GOODWIN, Manager,

J. N. GOODRICH,

I. L. SIMMONS,

H. A. HAGADORN,

W. G. AMOS.

Illustrator,
F. W. KRAMER.



FOUR YEARS of college life add many pleasant events to the experiences of young men. Four years of fellowship bring many ties of friendship that are severed forever when the members of a class turn their footsteps from their beloved *alma mater*, and go forth into the world in all directions, each to begin life anew. The Class of '97, recognizing these facts and seeing clearly the value of a permanent record of the more interesting events of college life, have decided to issue a class annual. We have gathered into book form a little of the history of our College, a few of the pictures of familiar scenes and

faces, a few of the compositions of our fellow students and esteemed faculty, a few of the puns and jokes that are now fresh in the memory, to be kept as reminiscences of our college days. However, we have not published this book entirely for ourselves; we cheerfully invite all to read it. For the faculty and alumni we have an associate history; for parents and friends we have a description of our College and its life. If in some rural or town home a bright youth should chance to read the pages of this volume, we sincerely hope that there may be kindled in his bosom a desire for a college education. We hope that he may be influenced to join that band of jolly fellows of which he reads, and to stake his fortune where we have staked ours, in order that he may acquire a fund of knowledge which will make his life broader and better.

As you scan these pages, kind reader, you will undoubtedly find mistakes. You may find things that are not in good taste, or even out of place. You may find a roast or practical joke at your expense. But whichever it be, we beg of you to pardon the authors, for they have tried to be just and fair to all.

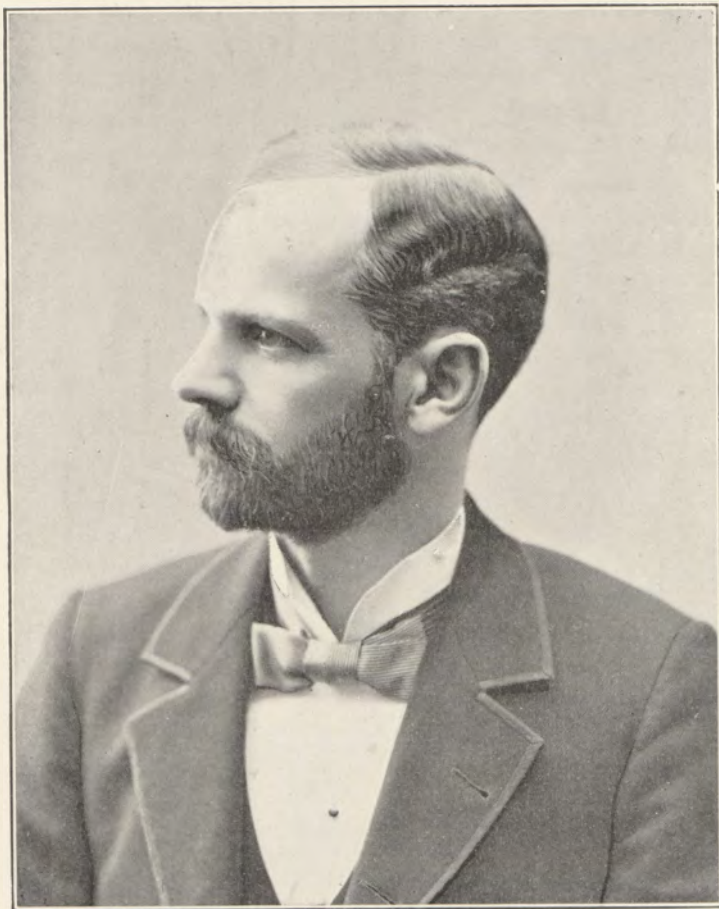
It has been some time since a preceding class issued an annual, but we hope that THE HELIOSTAT will reflect so faithfully the varying experiences of student life at M. A. C. that succeeding classes will follow our example. With these words of explanation, we cheerfully resign the book to you for your enjoyment and criticism, trusting that you will find something to enjoy as well as criticise.

Fraternally yours,

. '97.

FACULTY





JONATHAN L. SNYDER.

Jonathan Le Moyne Snyder, Ph. D.,

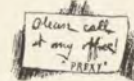
Elected President of the M. A. C. by the State Board of Agriculture at its meeting in Grand Rapids, February 11, 1896, was born Oct. 29, 1859, on a farm in Butler county, Western Pennsylvania. Until nearly nineteen years of age he worked on the farm and attended the country school. After three years spent in the preparatory department of Grove City College and in teaching country schools, he entered the freshman class of Westminster College, graduating in the class of '86. During his junior year he won the inter-society contest debate which is considered the highest literary honor attainable at this college.

After graduation he was principal of a village school for one year, when he was elected superintendent of the schools of his native county. This placed him in direct command of an army of over 300 teachers and 15,000 pupils. His first act of note in this office was the introduction into the country schools of a graded course of study. This proved to be of so much merit that it has been followed by a majority of the counties of his State. The next move was to improve the teaching force, and mainly to accomplish this end, he, with others, established in his native village the Slippery Rock State Normal School. This school has been very successful, and has now an enrollment of over 500 students.

Before completing the term of three years for which he had been elected he was called to take charge of the fifth ward school of Allegheny City. This is the largest school, with perhaps one exception, in Pennsylvania, and one of the very largest in the country. It has over 30 teachers and 1,500 pupils. He has been successful in having added to this school the kindergarten, and an industrial department which includes sewing and cookery for the girls, and the different lines of manual training for the boys. This department is said to be the finest and best equipped industrial department in connection with any grammar school in the United States.

He did not cease his studies when he became a graduate but diligently pursued a post-graduate course in psychology and philosophy. On the completion of this course in 1891 the degree of doctor of philosophy was conferred upon him by his *alma mater*.

The greater part of his life has been spent on the farm and among country people. He has traveled extensively both in this country and abroad. Dr. Snyder is married and has a boy three years of age.





ROBERT C. KEDZIE.

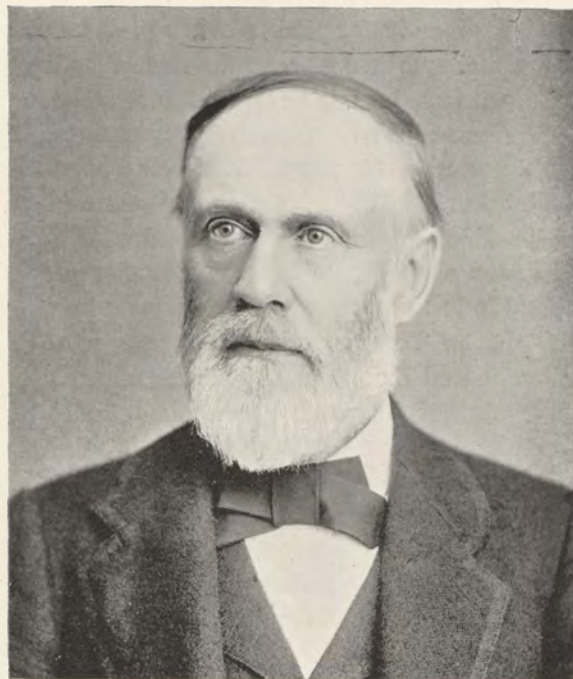
Robert C. Kedzie, M. A., M. D.,

Professor of Chemistry, has given instruction to every class graduated from M. A. C. save two, and sixty-two of his students are now professors of colleges. Having taught chemistry for over a third of a century, he has been in the fighting ranks of every college war and considers himself "the best abused" man ever connected with the College.

Born in Delhi, N. Y., January 28, 1823, his parents soon came to Michigan and his early schooling was in a log hut, and the family library—Scott's Commentary, Cook's Voyages, Burns' works, Fox's Book of Martyrs, and Chalmers' Sermons, with a large map of the United States, and seven newspapers—formed the greater part of it, as must needs be with the "struggle for life in the woods" and a widowed mother with seven children.

He graduated from Oberlin College, classical course, in 1847, and received his A. M. in 1864. The Doctor graduated from the University of Michigan with the first medical class in 1850, supporting himself by teaching district schools. He then taught in the Rochester (Mich.) Academy for two years, then studied and practiced medicine for one year in Kalamazoo. He then practiced his profession in Vermontville for about ten years and acted as a surgeon in the army for a year. He was appointed to his present position in 1863. Dr. Kedzie has won himself honor in many ways; he "has fought the kerosene war and fertilizer skirmish to a finish" and is the *pater* of the farmers' institutes and the sanitary conventions of the State Board of Health.





WILLIAM J. BEAL.

William James Beal, Ph. D.,

Professor of Botany and Forestry, was born at Adrian, Mich., March 11, 1833. When sixteen years of age he entered the Raisin Valley Seminary the term it opened. In 1855 he spent some months at the Lodi Academy (long since closed), Lodi, Mich., preparing for college. October 1, 1855, he entered the classical course at the University of Michigan, and graduated in 1859 with the degree of A. B. He at once became teacher of natural science in the Friends' Academy, Union Springs, Cayuga county, N. Y., remaining there until March, 1861, when he entered the scientific school of Harvard University, and for one and a half years studied botany, zoology and comparative anatomy under Gray, Agassiz and Wyman. In 1863 he began teaching in the Howland School, N. Y., and continued until 1868, with the exception of a spring term spent at Harvard, where he graduated with a B. S. in 1865. In 1862 he received the degree of M. A. from the University of Michigan. From 1866 to 1871 he was Professor of Natural History at the Chicago University. He came to M. A. C. in 1871 as Professor of Botany and Horticulture, and in 1881 became Professor of Botany and Forestry, which position he now holds.

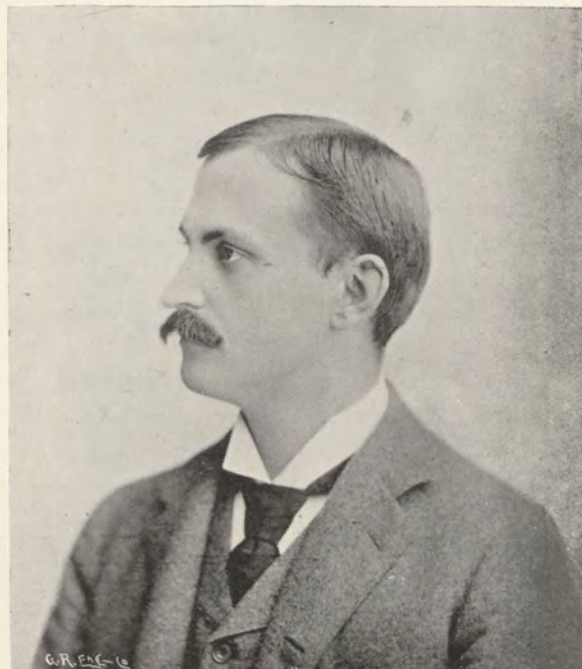
He was the first president of the Association of Botanists of the U. S. Experiment Station, in 1888, and one of the organizers of the S. P. Agricultural Circle. From 1888-91 he was director of the State Forestry Commission. In 1885 he became president of the People's Savings Bank of Lansing, which position he still holds.

Dr. Beal is the author of many reports, lectures and papers, and a frequent contributor to agricultural and horticultural papers. In 1887 he published a volume on the grasses of North America, and is now at work on a second volume.





E. A. A. GRANGE.



HERMAN K. VEDDER.

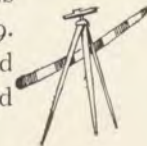
E. A. A. Grange, v. s.,

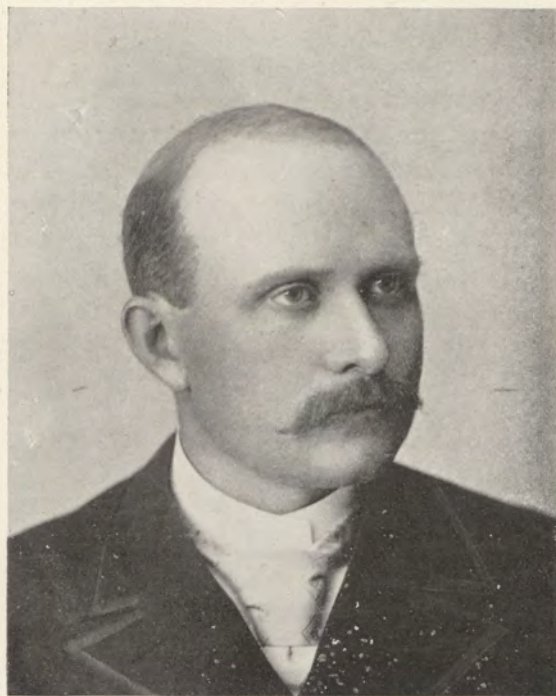
Professor of Veterinary Science, was born in London, England, April 9, 1848. His father intending him for the British navy secured for him a cadetship. He spent one winter in the West Indies and Bermudas, most of the time on the flagship Nile. In 1873 he graduated from the Ontario Veterinary College and remained there for one year as demonstrator of anatomy. In 1874 he secured the professorship of Veterinary Science at the Ontario Agricultural College at Guelph. At the same time and for a number of years subsequent he held the commission of veterinary surgeon to the Wellington Field Battery. He returned with the rank of captain. For some time he held the position of live stock veterinary inspector of Ontario. In the winter of 1883 he was engaged by the University of Minnesota to deliver a series of lectures before a farmer's lecture course in veterinary. He came to M. A. C. in 1883, first as lecturer, then as professor of Veterinary Science. Shortly after he was made consulting veterinarian of Michigan. In 1893 he was special agent of the United States government and had charge of the veterinary exhibit at the World's Fair. He is the author of a number of bulletins issued by the veterinary department of the College. He has recently made bacteriology a subject for study in the veterinary class. Dr. Grange has traveled extensively in the United States, Canada and Europe.



Herman K. Vedder, C. E.,

Professor of Mathematics and Civil Engineering was born October 7, 1866 at St. Johnsville, N. Y. Until sixteen he attended the public schools and during vacations worked on the farm or in his father's store as clerk. He then took classical and commercial studies at the Clinton Liberal Institute of Fort Plain, N. Y. Upon graduating from the civil engineering course at Cornell in 1877 he was awarded a fellowship in that branch. Professor Vedder began the business of bridge construction immediately after graduation, returning to Cornell in the fall of '87 to study on his fellowship, but was appointed instructor of civil engineering. He afterwards spent two summer vacations in the bridge business, acting as contracting agent in Pennsylvania after the great floods of 1889. In 1890 he took charge of topographical surveys for the Ithaca, N. Y. Waterworks Co. and continued teaching at Cornell until the spring of 1891, in the fall of which year he assumed his present position at this College.



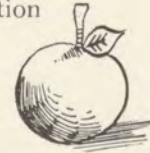


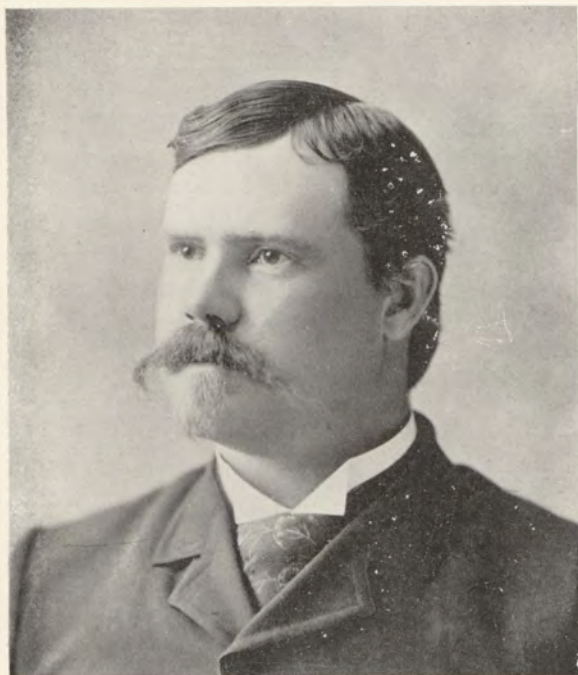
LEVI R. TAFT.

Levi R. Taft, m. s.,

Professor of Horticulture and Landscape Gardening. Since Prof. Taft assumed his work here the department of which he is superintendent has been greatly aided in its work by the rebuilding of the greenhouses and forcing house and the completion of a horticultural laboratory, the first of the kind in this country.

Prof. Taft was born August 22, 1859, at Mendon, Mass., and enjoyed the usual public and high school education. In 1882 he graduated from the Massachusetts Agricultural College and then from the College of Agriculture of Boston University. He at once secured a position as assistant professor of horticulture at the Massachusetts Agricultural College, which he held till 1885, and from 1883 to 1885 he was also bursar, and from 1886 to 1888 assistant in zoology of that institution. His next work was that of professor of horticulture at the Missouri State University College of Agriculture. Prof. Taft came to the Michigan Agricultural College in 1888 and since then, in addition to the works heretofore mentioned, has been a member of the Executive Board of the State Horticultural Society for seven years, was chairman of the catalogue committee for Michigan of the American Pomological Society, and has from time to time issued many interesting and valuable bulletins from his department.





HOWARD EDWARDS.

Howard Edwards, M. A., LL. D.,



Professor of English Literature and Modern Languages, was born in 1854 in Fauquier county, Virginia. He graduated from the Randolph-Macon College, Virginia, in 1876, and during 1877-8 studied at the Universities of Leipzig, Germany, and Paris, France. He then taught in Paris in the Rudy International School of Languages, and on his return from Europe in 1878 taught Greek and English at the Bethel Military Academy, Virginia. From that position he went to a like one in 1880, at the Bingham School in North Carolina, and from there was called back to Bethel Academy as principal in 1882. In 1884 he went to Tuscumbia, Alabama, as principal of schools, and in 1885 was elected to the professorship of English and modern languages in the Arkansas Industrial University, which position was held until accession here in 1890. In 1891-2 Dr. Edwards spent six months in work in Paris and was offered a position to teach Greek in the Rudy school again, but preferred to spend his whole time on work in French, Spanish and Italian. In 1891 he received the degree of LL. D. from Arkansas University.



EDSON A. LEWIS.



H. H. BANDHOLTZ.

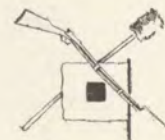
Edson A. Lewis, 2d Lieut. 18th U. S. Infantry,

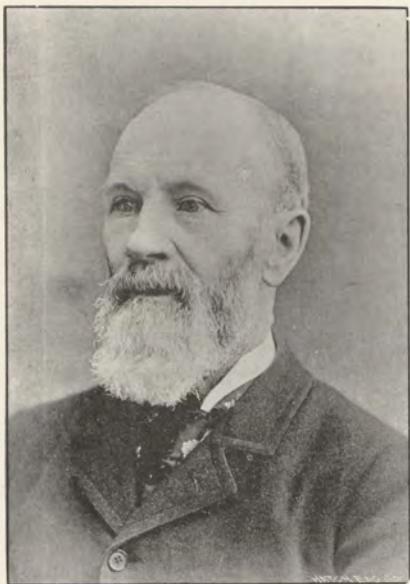
Professor of Military Science and Tactics, was born in Oxford county, Ontario, February 1, 1863. In 1869 he moved with his parents to Manistee, Mich., where he attended the public schools. He taught a district school for two winter terms and in 1883 entered the U. S. Military Academy at West Point as a cadet from the Ninth Congressional District of Michigan. He graduated in 1887 and entered the infantry branch of the service. He was stationed at the Michigan Agricultural College July 1, 1892.

Lieutenant Lewis has been ordered to Texas, and leaves us this term. He and his estimable wife have won many warm friends among us, and though we are sorry to see them leave, we are sure that they will make friends wherever they go.

H. H. Bandholtz, Lieut. 6th U. S. Infantry,

Enters upon his detail at the Michigan Agricultural College next term. He was born at Constantine, Mich., December 18, 1864; studied in the common schools there and in Detroit; graduated from the Constantine high school in 1881 and took a position with a Chicago commission house. During the winter of 1885-6 he took a post-graduate course at the Michigan Military Academy, and in June was appointed to West Point. Graduating from there in June, 1890, he joined the 6th U. S. Infantry at Fort Thomas, Ky., in October of the same year. He was afterwards ordered to Fort Ontario, Oswego, N. Y., thence to Mt. Vernon Barracks, near Mobile, Ala., but is now at Fort Thomas. Being a Michigan man it seems fitting that Lieutenant Bandholtz should be detailed here, and we pledge him our cordial support.





I. H. BUTTERFIELD.



CLINTON D. SMITH.

I. H. Butterfield, Secretary,

Was born at Utica, Mich., in 1840. He attended the common schools, academy and State Normal School, and soon after went overland to California. He then returned to Michigan and was engaged in farming and stock-raising in Lapeer county until 1893. In 1889 he was appointed deputy collector of customs at Port Huron, which position he resigned to accept his present one. Mr. Butterfield is also Secretary of the State Board of Agriculture and is a prominent member of most of the leading agricultural associations of the State.

Clinton D. Smith, m. s.,

Professor of Agriculture, was born at Trumansburg, N. Y., in 1856. His early education was received in the district school and academy. He graduated from the scientific course of Cornell University, with the degree of B. S. in 1873, and M. S. in 1875. For a short time he followed the teaching profession in New York City, then studied law and was admitted to the bar in 1879. In 1880 he engaged in the dairy business in Illinois and pursued this line of work until 1889, when he became assistant at the Cornell Experiment Station. In 1890 he was appointed director of the Arkansas Experiment Station, and the same year accepted a new appointment as director of the Experiment Station and Professor of Agriculture in the University of Minnesota, which position he held until 1893, when he came to the Michigan Agricultural College. In 1893 he organized the first special dairy class of this College, and in 1894 he organized a second. January 1, 1895, he was appointed director of the Michigan Experiment Station.





CHARLES L. WEIL.



WALTER B. BARROWS.

Charles L. Weil, • •

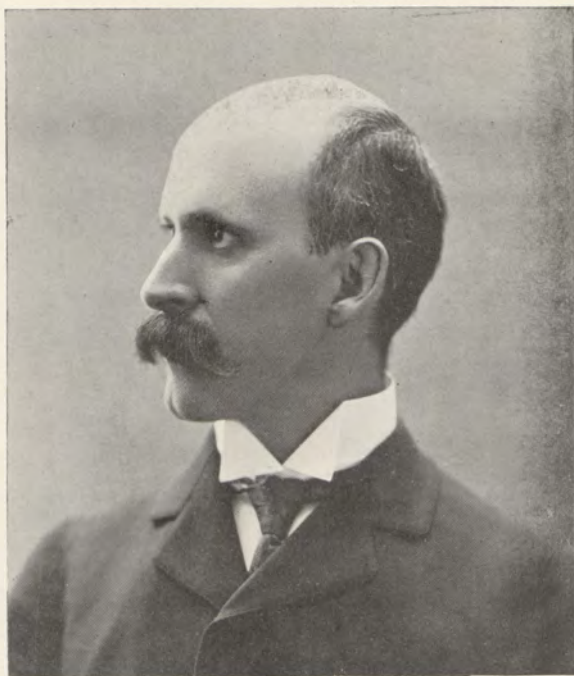
Professor of Mechanical Engineering, was born at North Andover, Mass., in 1865. He graduated from the high school of that place in 1881, then entered a business house in Boston for a year, and again resumed his studies and began practical engineering and shop work. In 1888 he graduated from the Massachusetts Institute of Technology, and soon afterward secured a position as draughtsman with H. P. Worthington & Co., of Brooklyn, which he resigned to accept a place as instructor in the Lehigh University in 1891. Professor Weil entered upon his work here in September, 1893, and since that time has overseen the building and equipment of the foundry and blacksmith shop, the remodeling of the wood shop, and has started the mechanical institutes.



Walter B. Barrows, B. S.,

Professor of Zoology and Physiology, was born January 10, 1855, at Grantville, Mass. He attended the public schools of Reading, Mass., and graduated from the high school in 1872, entering the Massachusetts Institute of Technology the same year. From there he graduated in 1876 and immediately became assistant in Ward's natural science establishment of Rochester, N. Y. In 1879 he sailed from Buenos Ayres, Argentine Republic, under contract as a normal school teacher, but was transferred to the National College at Concepcion as assistant professor of chemistry and physics and served during his second year's vacation as geologist on an exploring expedition to the Pampian Sierras. Returning to the United States with many valuable specimens, he was at once appointed instructor of science at the State Normal School, Westfield, Mass., which position was resigned the following year to accept one as instructor of biology at the Wesleyan University, Middleton, Conn., where he remained until 1886, during the last two years also acting as instructor in botany at Trinity College, Hartford, Conn. Being appointed assistant ornithologist of the U. S. Department of Agriculture, he went to Washington, D. C., in 1886, which position was resigned in 1894 to assume his present work at the Michigan Agricultural College. Prof. Barrows was one of the charter members of the American Ornithologists' Union, is an active member of most of our leading scientific societies and has recently been elected to the Zoological Society of France.





FRANK S. KEDZIE.



WILLIAM S. HOLDSWORTH.

Frank S. Kedzie, m. s.,

Adjunct Professor of Chemistry, was born at Vermontville, Mich., May 12, 1857. He received the usual common school education, attended a private school for a short time, and graduated from the Michigan Agricultural College in 1877. During 1877-78 he was correspondence clerk to Dr. H. B. Baker, secretary of the State Board of Health, and the following year read medicine. In 1880 he was appointed assistant in chemistry, which was followed by the position of assistant professor in 1887 and his present one in 1890, receiving his M. S. in 1882. During the winter of 1890-91 he studied at the University of Berlin, under Prof. A. W. Von Hoffmann.

As Prof. Kedzie was just able to see over the edge of a laboratory table when his father came here, and is acquainted with every *alumnus*, he may fittingly be referred to as an "M. A. C. man."



William S. Holdsworth, m. s.,

Professor of Drawing, was born in London, England, in 1856. His parents soon after moved to this country and here he received a public school education. He graduated from the Michigan Agricultural College with the class of 1878 and afterwards studied art at Boston and elsewhere. Draughting and wood engraving then occupied his time for several years. Prof. Holdsworth came to his present position in 1887.





PHILIP B. WOODWORTH.



ALVIN B. NOBLE.

Philip B. Woodworth, B. S.,

Assistant Professor of Physics. The physical department of the College owes its organization to the efforts of Philip B. Woodworth. Under his supervision all the apparatus now in the laboratory was collected and put in place. Professor Woodworth was born at Auburn, N. Y., October 19, 1865. His early education was received in the public school of Caseville, Mich., his parents having moved there from New York. In 1883 he entered the Michigan Agricultural College as a spring Freshman, and graduated with a B. S. in 1886. In 1890 he graduated from the mechanical engineering course of Cornell University, with the degree of M. E. While at Cornell he took special work in electrical engineering. He became instructor in physics at the Michigan Agricultural College in 1887, and in 1889 was accorded the position of professor of physics and electrical engineering. In 1892 he attended the University of Berlin.

August 11, 1893, he was married to Miss Lucy M. Clute (M. A. C. class of '93), daughter of ex-President Clute.



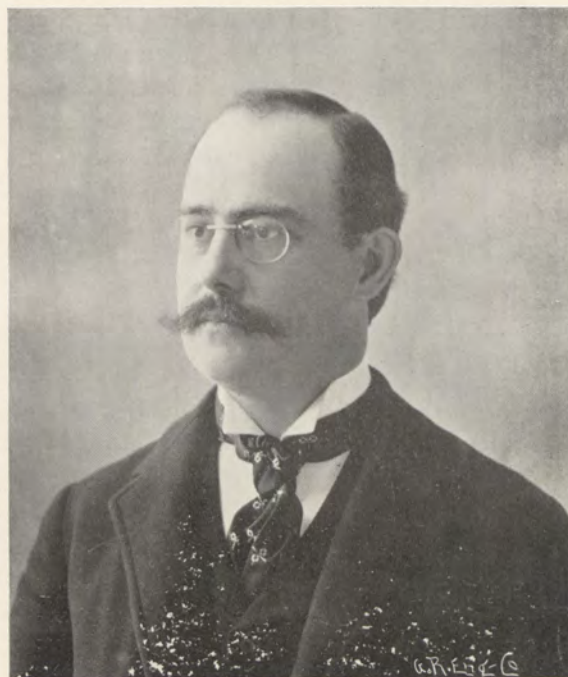
Alvin B. Noble, Ph. B.,

Assistant Professor of English Literature and Modern Languages, was born at Wayland, Henry county, Iowa, September 26, 1862. He attended a regulation district school and then a few terms at Howe's Academy, Mt. Pleasant, Iowa. He graduated from the philosophical course of the University of Iowa in 1887, ranking second in his class. One year was then employed in the study of English at his *alma mater*, and another as principal of the Bellevue (Iowa) high school. Professor Noble assumed his present position in August, 1889. He has corrected numerous essays, and helped many, I trust, to find a clearer and more forcible expression of their thoughts.





WILBUR O. HEDRICK.



PAUL M. CHAMBERLAIN.

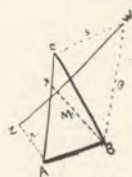
Wilbur O. Hedrick, m. s.,

Assistant Professor of History and Political Economy, was born April 3, 1868, in Elkhart county, Ind. His early life was occupied after the manner of the usual school and farm life, first in Indiana and afterwards at Harbor Springs, Mich. Graduating from the Michigan Agricultural College with the class of '91, he was at once appointed instructor in rhetoricals, and in 1893 to his present position. Taking a course in economics and history at the University of Michigan, during vacations, he received his M. S. in 1895. We are glad to note that Professor Hedrick was literary editor of our predecessor, the Harrow.



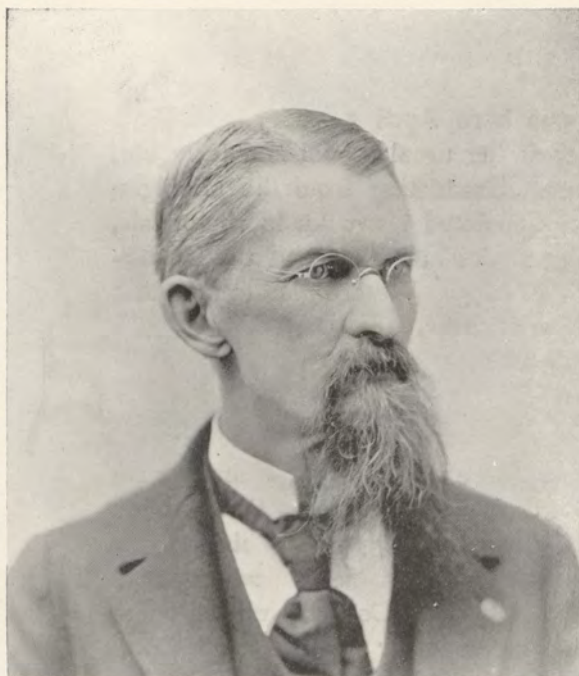
Paul Mellen Chamberlain, m. e.,

Assistant Professor of Mechanical Engineering, was born at Three Oaks, Mich., February 28, 1865. Upon graduating from the town school of his birthplace, he attended the Cushing Academy of Ashburnham, Mass., and Olivet College. Then entering the Michigan Agricultural College, he was one of the first three to graduate from the mechanical course in 1888. After a year's mechanical work in Cleveland, he attended Cornell University and graduated in 1890. After graduation he became assistant engineer with the Frick Company, of Waynesboro, Pa., and then mechanical engineer of the Hercules Iron Works, of Aurora, Ill. He assumed his present connection with the Michigan Agricultural College in the fall of 1893.

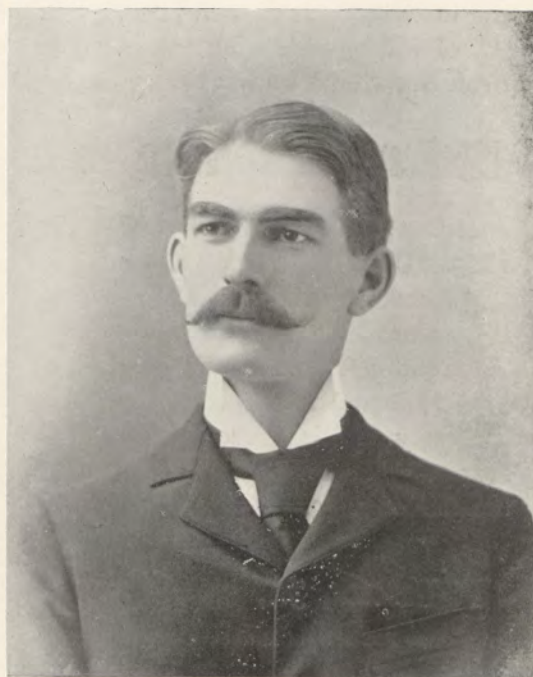


Warren P. Babcock, Jr.,

Assistant Professor of Mathematics.



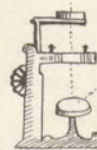
C. F. WHEELER.



HERBERT W. MUMFORD.

Charles F. Wheeler, B. S.,

Assistant Professor of Botany and Experiment Station Botanist, was born June 14, 1842, at Mexico, Oswego county, N. Y., and entered Mexico Academy in 1857. In August, 1861, he entered the army, and after a serious illness was discharged in April, 1863. He began his botanical studies in July of the same year, studied medicine in 1864, and took the Junior course in the medical department of the University of Michigan in 1866-67. Mr. Wheeler was appointed instructor in botany at the Michigan Agricultural College in the fall of 1889, graduated in 1891, and was appointed assistant professor of botany in 1896.



Herbert W. Mumford, B. S.,

Assistant Professor of Agriculture, was born February 26, 1871, at Moscow, Hillsdale county, Mich. He secured his education at the school in his district, the Hanover high school, Albion College and the Michigan Agricultural College, where he graduated in 1891. For four years after graduation he had charge of a large stock farm, and commenced his present work in the fall of 1895.



EDITH F. McDERMOTT.



MRS. LINDA E. LANDON.

Edith F. McDermott. •

The Department of Domestic Economy and Household Science, which will be inaugurated at this College at the opening of the next fall term, will be in charge of Miss Edith F. McDermott, a native of Meadville, Pa. Miss McDermott received her literary training in the high school at Meadville, and also in Allegheny College, located in the same city. On the completion of her work in these schools, she took a very thorough course along the lines of domestic economy and household science, in Drexel Institute, Philadelphia. After graduation she was placed in charge of the girls' department of a large industrial school. In this position she organized a line of work in cooking, sewing, and allied subjects, which has been very successful, and has given her a reputation which extends far beyond the confines of her native State. If the same success attends her work in the College that has characterized all her past efforts, the woman's course will soon become a very popular feature of this institution.

Mrs. Linda E. Landon, •

Our accommodating Librarian, was born at Niles, Mich., May 9, 1856. After graduating from the Niles high school, as valedictorian of her class, she was for two years a teacher in the Kalamazoo public schools. She was married to Rufus W. Landon in 1877, and came to the Michigan Agricultural College in 1891.



SUB-FACULTY.

SUB-FACULTY.



G. C. DAVIS, M. S., Consulting Entomologist to the Experiment Station, was born August 8, 1863, at Cortland, Ohio. After a district and high school education he attended the Ohio State University for two years and then came to M. A. C. and graduated in '89.



Occupying his time for the next year in post graduate work in entomology he was appointed to his present position in 1890.

A. L. WESTCOTT, B. M. E., Instructor in Mechanical Engineering, was born January 4, 1866, at Perrysburg, Wood county, Ohio. After attending the grade schools and learning the machinist's trade, he entered Purdue University where he graduated with '92. After occupying a position at Purdue for a year he accepted a similar one here in June, 1893.

D. J. CROSBY, B. S., Instructor in Rhetoricals, was born October 2, 1866, at Colmoosa, in the Ottawa-Chippewa Indian Reservation—now Elbridge, Oceana county, Mich. After finishing the district school he taught for some time and attended the Flint Normal School in 1888. Graduating from M. A. C. in 1893 he at once entered upon his present work.

BURTON O. LONGYEAR, Instructor in Botany, was born in Onondaga township, Ingham county, Mich., July 16, 1878. Upon graduating from the Leslie and Mason high schools, he went into the drug business. Entering here as a special student in '90 he remained four terms and began his present work in February, 1894.

C. C. PASHBY, B. S., Instructor in Mathematics, was born June 20, 1868, in Florence, St. Joseph county, Mich. Mr. Pashby graduated from the union and high school at Constantine and received his degree at M. A. C. with '94.

HARRY P. GLADDEN, B. S., Experiment Station Assistant in Horticulture, was born near Lansing, April 9, 1863. Graduating from M. A. C. in 1885 he began his present work in 1889.

A. A. CROZIER, M. S., Experiment Station Assistant in Agriculture, was born at Hudsonville, Ottawa county, Mich., September 22, 1856. After graduating from M. A. C. in 1879, he received his M. S. from the University of Michigan in 1885. Mr. Crozier was for two years with the Department of Agriculture at Washington, D. C., and for the same length of time with the Iowa Experiment Station. He commenced his work here in

March, 1894, and is the author of "Popular Errors about Plants," "The Cauliflower" and "A Dictionary of Botanical Terms."

THORN SMITH, B. S., Experiment Station Assistant Chemist, was born at Portland, Mich., June 15, 1871. Graduated from the high school of Portland in 1890, from M. A. C. in 1895 and was appointed to his present position last January.

GEO. H. TRUE, B. S., Instructor in Dairying, was born at Baraboo, Wis., Dec. 14, 1868. Graduated from the schools of his native city, and then from the University of Wisconsin in 1894. After taking special dairy work at his Alma Mater during the fall he assumed his present position in December of the same year.

M. W. FULTON, B. S., Experiment Station Assistant in Agriculture, was born September 4, 1872, in Greenfield township, Wayne county, Mich. After graduating from the district school he took two years in the high school and then came to M. A. C. where he graduated with '95 and at once secured his present position.

C. J. FOREMAN, B. S., was born in Ionia county. After graduating from the Harbor Springs, Emmet county, high school in 1889, he taught school for several terms and learned the drug trade. Graduating from

M. A. C. with '94 he at once secured his present position and will receive his M. S. at commencement, 1896.

R. L. DEAN, Experiment Station Assistant in Horticulture, was born at Napoleon, Mich., June 2, 1863. After graduating from the high school he went into the fruit business at Grand Rapids. He accepted his present position in February, '96.

G. E. MARSHALL, Experiment Station Assistant in Bacteriology.

V. V. NEWELL, B. S., Foreman of Machine Shop, was born in Adams county, Ill., November 19, 1867. After graduating at M. A. C. with '94, he secured his present position at once.

THOMAS GUNSON, Foreman of the Greenhouse, was born July 4, 1858, at Moffat, Dumfries-shire, Scotland. After finishing the common schools he graduated from the Government Science and Art schools at Saltaire, Bradford, England. He was subsequently employed with Backhouse's Nursery at York, England, and Dickon & Co.'s in Edinburgh. Mr. Gunson came to M. A. C. in April, 1891.

THOS. A. DURKIN, Foreman of the Horticulture Department, was born at Geneva, N. Y., November 15, 1859, and graduated from the high school of that place.

Mr. Durkin has been foreman for many prominent fruit growers throughout the country, and has been at M. A. C. two years and a half.

ERNEST T. WITTSTOCK, Foreman of the Farm, was born in Germany, August 13, 1858. Coming to this country when fourteen he tried various vocations, but finally settled on the farm. After having charge of the farm of Governor John T. Rich for seven years, Mr. Wittstock farmed on his own account for three years and then came to M. A. C. in 1893.

C. E. HOYT, Foreman of the Wood Shop, was born

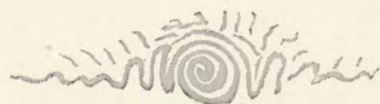
June 5, 1869, at Wayland, Michigan. Graduated from the Wayland High School and worked in shops of Kalamazoo, and afterwards was junior member of Hoyt & Son, Foundrymen and Machinists. He left to come to M. A. C. in September, 1894.

F. C. KENNEY, Assistant Secretary.

H. M. HOWE, Clerk to President (resigned).

EDWIN S. GOOD, Clerk to President.

CHACE NEWMAN, Clerk of Mechanical Department.



Experiment Station Council • •



Sub-Stations.

GRAYLING, Crawford county, eighty acres deeded.

SOUTH HAVEN, Van Buren county, ten acres rented; five acres deeded.

CLINTON D. SMITH, M. S., Director and Agriculturist
 JONATHAN L. SNYDER, Ph. D., President, . Ex-officio
 L. R. TAFT, M. S., . . . Horticulturist
 ROBERT C. KEDZIE, M. A., M. D., . Chemist
 IRA H. BUTTERFIELD, . Secretary and Treasurer



Advisory and Assistant Staff.

A. A. CROZIER, M. S., . Assistant in Agriculture
 HERBERT W. MUMFORD, B. S., Assistant in Agriculture
 H. P. GLADDEN, B. S., . Assistant in Horticulture
 M. L. DEAN, . . Assistant in Horticulture
 THORN SMITH, B. S., . Assistant in Chemistry
 E. A. A. GRANGE, V. S., . Consulting Veterinarian
 G. C. DAVIS, M. S., . Consulting Entomologist
 CHAS. F. WHEELER, B. S., . . . Botanist
 MRS. L. E. LANDON, . . . Librarian
 T. T. LYON, South Haven, In charge of Sub-Station
 R. L. TAYLOR, Lapeer, . In charge of Apiary

1857
 1858
 1859
 1860
 1861
 1862
 1863
 1864
 1865
 1866
 1867
 1868
 1869
 1870
 1871
 1872
 1873
 1874
 1875
 1876
 1877
 1878
 1879
 1880
 1881
 1882
 1883
 1884
 1885
 1886
 1887
 1888
 1889
 1890
 1891
 1892
 1893
 1894
 1895
 1896
 1897
 1898
 1899
 1900
 1901
 1902
 1903
 1904
 1905
 1906
 1907
 1908
 1909
 1910
 1911
 1912
 1913
 1914
 1915
 1916
 1917
 1918
 1919
 1920
 1921
 1922
 1923
 1924
 1925
 1926
 1927
 1928
 1929
 1930
 1931
 1932
 1933
 1934
 1935
 1936
 1937
 1938
 1939
 1940
 1941
 1942
 1943
 1944
 1945
 1946
 1947
 1948
 1949
 1950
 1951
 1952
 1953
 1954
 1955
 1956
 1957
 1958
 1959
 1960
 1961
 1962
 1963
 1964
 1965
 1966
 1967
 1968
 1969
 1970
 1971
 1972
 1973
 1974
 1975
 1976
 1977
 1978
 1979
 1980
 1981
 1982
 1983
 1984
 1985
 1986
 1987
 1988
 1989
 1990
 1991
 1992
 1993
 1994
 1995
 1996
 1997
 1998
 1999
 2000
 2001
 2002
 2003
 2004
 2005
 2006
 2007
 2008
 2009
 2010
 2011
 2012
 2013
 2014
 2015
 2016
 2017
 2018
 2019
 2020
 2021
 2022
 2023
 2024
 2025
 2026
 2027
 2028
 2029
 2030
 2031
 2032
 2033
 2034
 2035
 2036
 2037
 2038
 2039
 2040
 2041
 2042
 2043
 2044
 2045
 2046
 2047
 2048
 2049
 2050
 2051
 2052
 2053
 2054
 2055
 2056
 2057
 2058
 2059
 2060
 2061
 2062
 2063
 2064
 2065
 2066
 2067
 2068
 2069
 2070
 2071
 2072
 2073
 2074
 2075
 2076
 2077
 2078
 2079
 2080
 2081
 2082
 2083
 2084
 2085
 2086
 2087
 2088
 2089
 2090
 2091
 2092
 2093
 2094
 2095
 2096
 2097
 2098
 2099
 2100
 2101
 2102
 2103
 2104
 2105
 2106
 2107
 2108
 2109
 2110
 2111
 2112
 2113
 2114
 2115
 2116
 2117
 2118
 2119
 2120
 2121
 2122
 2123
 2124
 2125
 2126
 2127
 2128
 2129
 2130
 2131
 2132
 2133
 2134
 2135
 2136
 2137
 2138
 2139
 2140
 2141
 2142
 2143
 2144
 2145
 2146
 2147
 2148
 2149
 2150
 2151
 2152
 2153
 2154
 2155
 2156
 2157
 2158
 2159
 2160
 2161
 2162
 2163
 2164
 2165
 2166
 2167
 2168
 2169
 2170
 2171
 2172
 2173
 2174
 2175
 2176
 2177
 2178
 2179
 2180
 2181
 2182
 2183
 2184
 2185
 2186
 2187
 2188
 2189
 2190
 2191
 2192
 2193
 2194
 2195
 2196
 2197
 2198
 2199
 2200
 2201
 2202
 2203
 2204
 2205
 2206
 2207
 2208
 2209
 2210
 2211
 2212
 2213
 2214
 2215
 2216
 2217
 2218
 2219
 2220
 2221
 2222
 2223
 2224
 2225
 2226
 2227
 2228
 2229
 2230
 2231
 2232
 2233
 2234
 2235
 2236
 2237
 2238
 2239
 2240
 2241
 2242
 2243
 2244
 2245
 2246
 2247
 2248
 2249
 2250
 2251
 2252
 2253
 2254
 2255
 2256
 2257
 2258
 2259
 2260
 2261
 2262
 2263
 2264
 2265
 2266
 2267
 2268
 2269
 2270
 2271
 2272
 2273
 2274
 2275
 2276
 2277
 2278
 2279
 2280
 2281
 2282
 2283
 2284
 2285
 2286
 2287
 2288
 2289
 2290
 2291
 2292
 2293
 2294
 2295
 2296
 2297
 2298
 2299
 2300
 2301
 2302
 2303
 2304
 2305
 2306
 2307
 2308
 2309
 2310
 2311
 2312
 2313
 2314
 2315
 2316
 2317
 2318
 2319
 2320
 2321
 2322
 2323
 2324
 2325
 2326
 2327
 2328
 2329
 2330
 2331
 2332
 2333
 2334
 2335
 2336
 2337
 2338
 2339
 2340
 2341
 2342
 2343
 2344
 2345
 2346
 2347
 2348
 2349
 2350
 2351
 2352
 2353
 2354
 2355
 2356
 2357
 2358
 2359
 2360
 2361
 2362
 2363
 2364
 2365
 2366
 2367
 2368
 2369
 2370
 2371
 2372
 2373
 2374
 2375
 2376
 2377
 2378
 2379
 2380
 2381
 2382
 2383
 2384
 2385
 2386
 2387
 2388
 2389
 2390
 2391
 2392
 2393
 2394
 2395
 2396
 2397
 2398
 2399
 2400
 2401
 2402
 2403
 2404
 2405
 2406
 2407
 2408
 2409
 2410
 2411
 2412
 2413
 2414
 2415
 2416
 2417
 2418
 2419
 2420
 2421
 2422
 2423
 2424
 2425
 2426
 2427
 2428
 2429
 2430
 2431
 2432
 2433
 2434
 2435
 2436
 2437
 2438
 2439
 2440
 2441
 2442
 2443
 2444
 2445
 2446
 2447
 2448
 2449
 2450
 2451
 2452
 2453
 2454
 2455
 2456
 2457
 2458
 2459
 2460
 2461
 2462
 2463
 2464
 2465
 2466
 2467
 2468
 2469
 2470
 2471
 2472
 2473
 2474
 2475
 2476
 2477
 2478
 2479
 2480
 2481
 2482
 2483
 2484
 2485
 2486
 2487
 2488
 2489
 2490
 2491
 2492
 2493
 2494
 2495
 2496
 2497
 2498
 2499
 2500
 2501
 2502
 2503
 2504
 2505
 2506
 2507
 2508
 2509
 2510
 2511
 2512
 2513
 2514
 2515
 2516
 2517
 2518
 2519
 2520
 2521
 2522
 2523
 2524
 2525
 2526
 2527
 2528
 2529
 2530
 2531
 2532
 2533
 2534
 2535
 2536
 2537
 2538
 2539
 2540
 2541
 2542
 2543
 2544
 2545
 2546
 2547
 2548
 2549
 2550
 2551
 2552
 2553
 2554
 2555
 2556
 2557
 2558
 2559
 2560
 2561
 2562
 2563
 2564
 2565
 2566
 2567
 2568
 2569
 2570
 2571
 2572
 2573
 2574
 2575
 2576
 2577
 2578
 2579
 2580
 2581
 2582
 2583
 2584
 2585
 2586
 2587
 2588
 2589
 2590
 2591
 2592
 2593
 2594
 2595
 2596
 2597
 2598
 2599
 2600
 2601
 2602
 2603
 2604
 2605
 2606
 2607
 2608
 2609
 2610
 2611
 2612
 2613
 2614
 2615
 2616
 2617
 2618
 2619
 2620
 2621
 2622
 2623
 2624
 2625
 2626
 2627
 2628
 2629
 2630
 2631
 2632
 2633
 2634
 2635
 2636
 2637
 2638
 2639
 2640
 2641
 2642
 2643
 2644
 2645
 2646
 2647
 2648
 2649
 2650
 2651
 2652
 2653
 2654
 2655
 2656
 2657
 2658
 2659
 2660
 2661
 2662
 2663
 2664
 2665
 2666
 2667
 2668
 2669
 2670
 2671
 2672
 2673
 2674
 2675
 2676
 2677
 2678
 2679
 2680
 2681
 2682
 2683
 2684
 2685
 2686
 2687
 2688
 2689
 2690
 2691
 2692
 2693
 2694
 2695
 2696
 2697
 2698
 2699
 2700
 2701
 2702
 2703
 2704
 2705
 2706
 2707
 2708
 2709
 2710
 2711
 2712
 2713
 2714
 2715
 2716
 2717
 2718
 2719
 2720
 2721
 2722
 2723
 2724
 2725
 2726
 2727
 2728
 2729
 2730
 2731
 2732
 2733
 2734
 2735
 2736
 2737
 2738
 2739
 2740
 2741
 2742
 2743
 2744
 2745
 2746
 2747
 2748
 2749
 2750
 2751
 2752
 2753
 2754
 2755
 2756
 2757
 2758
 2759
 2760
 2761
 2762
 2763
 2764
 2765
 2766
 2767
 2768
 2769
 2770
 2771
 2772
 2773
 2774
 2775
 2776
 2777
 2778
 2779
 2780
 2781
 2782
 2783
 2784
 2785
 2786
 2787
 2788
 2789
 2790
 2791
 2792
 2793
 2794
 2795
 2796
 2797
 2798
 2799
 2800
 2801
 2802
 2803
 2804
 2805
 2806
 2807
 2808
 2809
 2810
 2811
 2812
 2813
 2814
 2815
 2816
 2817
 2818
 2819
 2820
 2821
 2822
 2823
 2824
 2825
 2826
 2827
 2828
 2829
 2830
 2831
 2832
 2833
 2834
 2835
 2836
 2837
 2838
 2839
 2840
 2841
 2842
 2843
 2844
 2845
 2846
 2847
 2848
 2849
 2850
 2851
 2852
 2853
 2854
 2855
 2856
 2857
 2858
 2859
 2860
 2861
 2862
 2863
 2864
 2865
 2866
 2867
 2868
 2869
 2870
 2871
 2872
 2873
 2874
 2875
 2876
 2877
 2878
 2879
 2880
 2881
 2882
 2883
 2884
 2885
 2886
 2887
 2888
 2889
 2890
 2891
 2892
 2893
 2894
 2895
 2896
 2897
 2898
 2899
 2900
 2901
 2902
 2903
 2904
 2905
 2906
 2907
 2908
 2909
 2910
 2911
 2912
 2913
 2914
 2915
 2916
 2917
 2918
 2919
 2920
 2921
 2922
 2923
 2924
 2925
 2926
 2927
 2928
 2929
 2930
 2931
 2932
 2933
 2934
 2935
 2936
 2937
 2938
 2939
 2940
 2941
 2942
 2943
 2944
 2945
 2946
 2947
 2948
 2949
 2950
 2951
 2952
 2953
 2954
 2955
 2956
 2957
 2958
 2959
 2960
 2961
 2962
 2963
 2964
 2965
 2966
 2967
 2968
 2969
 2970
 2971
 2972
 2973
 2974
 2975
 2976
 2977
 2978
 2979
 2980
 2981
 2982
 2983
 2984
 2985
 2986
 2987
 2988
 2989
 2990
 2991
 2992
 2993
 2994
 2995
 2996
 2997
 2998
 2999
 3000
 3001
 3002
 3003
 3004
 3005
 3006
 3007
 3008
 3009
 3010
 3011
 3012
 3013
 3014
 3015
 3016
 3017
 3018
 3019
 3020
 3021
 3022
 3023
 3024
 3025
 3026
 3027
 3028
 3029
 3030
 3031
 3032
 3033
 3034
 3035
 3036
 3037
 3038
 3039
 3040
 3041
 3042
 3043
 3044
 3045
 3046
 3047
 3048
 3049
 3050
 3051
 3052
 3053
 3054
 3055
 3056
 3057
 3058
 3059
 3060
 3061
 3062
 3063
 3064
 3065
 3066
 3067
 3068
 3069
 3070
 3071
 3072
 3073
 3074
 3075
 3076
 3077
 3078
 3079
 3080
 3081
 3082
 3083
 3084
 3085
 3086
 3087
 3088
 3089
 3090
 3091
 3092
 3093
 3094
 3095
 3096
 3097
 3098
 3099
 3100
 3101
 3102
 3103
 3104
 3105
 3106
 3107
 3108
 3109
 3110
 3111
 3112
 3113
 3114
 3115
 3116
 3117
 3118
 3119
 3120
 3121
 3122
 3123
 3124
 3125
 3126
 3127
 3128
 3129
 3130
 3131
 3132
 3133
 3134
 3135
 3136
 3137
 3138
 3139
 3140
 3141
 3142
 3143
 3144
 3145
 3146
 3147
 3148
 3149
 3150
 3151
 3152
 3153
 3154
 3155
 3156
 3157
 3158
 3159
 3160
 3161
 3162
 3163
 3164
 3165
 3166
 3167
 3168
 3169
 3170
 3171
 3172
 3173
 3174
 3175
 3176
 3177
 3178
 3179
 3180
 3181
 3182
 3183
 3184
 3185
 3186
 3187
 3188
 3189
 3190
 3191
 3192
 3193
 3194
 3195
 3196
 3197
 3198
 3199
 3200
 3201
 3202
 3203
 3204
 3205
 3206
 3207
 3208
 3209
 3210
 3211
 3212
 3213
 3214
 3215
 3216
 3217
 3218
 3219
 3220
 3221
 3222
 3223
 3224
 3225
 3226
 3227
 3228
 3229



"SAINTS' REST" AND COLLEGE HALL.



Sketch of the Development of the Michigan Agricultural College



THERE are belonging to our library certain old pictures of scenes on College grounds over which the loyal sons of the College linger long and thoughtfully. They were taken in 1857 and present to us in a vivid and striking way the long strides toward order and effectiveness of equipment that have been made in the intervening years. We are so constituted that what we see now seems the normal order of things. We easily appropriate and enjoy that which has been slowly and painfully evolved by our predecessors, and fail to give thanks where thanks are due. Let us for a moment pause and elaborate the contrast of scene as these pictures reveal it to us. Standing to day in the center of our campus, near the large stone left by the class of 1873, we have on every hand as we turn our eyes a scene of surpassing loveliness. Velvety lawns stretch in every direction. Picturesque groups of shapely trees, varied in habit, color and foliage, reveal in graceful vistas, glimpses of stately halls of manifold form and color. Life smiles at us invitingly from such surroundings. It is a marvel of practical and successful adaptation of

means to ends. Imagine ourselves now transported back to the times of '57. Before us, as we look to the south we would see a wilderness of stumps with here and there a scraggy tree in bare nakedness stretching its gaunt arms upward as if to call down vengeance upon those who had thus laid low the companion forms in which it had delighted. In the immediate front we would find a tangle of undergrowth, brushwood, and the bodies and limbs of fallen trees; on the right the uncertain line of a rude rail fence, zigzagging like a snake doubtful of its direction, and to right and to left two startlingly new buildings, each of brick, three stories in height, about fifty feet in breadth and running back from the observer double the length of frontage. The one is our present College Hall (then called "The College,") and the other is the dormitory, known to all students down to 1877 as "Saint's Rest." Back of these, on each side of us, in our rear, "still stands the forest primeval." In fact it is not until 1863 that we read "that the president and faculty be authorized to stump, log, underbrush and level the ground in the grove north of



PROFESSOR OF ENTOMOLOGY.
PROFESSOR OF BOTANY.

RESIDENCES.
PRESIDENT.

SECRETARY.
PROFESSOR OF AGRICULTURE.

the College building." To the west of this grove were four little cottages (afterwards all much enlarged), the houses in which now live the professors of botany (then the president's house,) chemistry, mechanical engineering, and English literature.

Such is the strong contrast offered us in the material development of the College. Equally great is the contrast in the immaterial features that go to make up a college. The intellectual and the physical work were not at all co-ordinated. The course itself was crude and ill-digested. The number of specialists was necessarily small, and worst of all, the only possible agricultural instruction was that of the pioneer in his ruthless war with the forest. In those days truly a student was graded according as he had "lifted up axes upon the thick trees." Garfield's idea of a university—a log with Mark Hopkins on the other end—was surely realized so far as the log was concerned. Be it our task now, briefly to trace the evolution by which our College has grown out of the rude beginnings into the fair proportions with which the old mother now delights us.

In order to understand fully the movement for the

organization of an agricultural college we must call to mind the fact that these were the days when Fourierism was rampant and the dawn of a millennial period, through the influence of its beneficent teachings, was confidently looked for. It was at this period that over-cultured men and women began to find in farm life and work the panacea for all evils. Unaccustomed, as they were, to any form

of muscular work or even exercise except possibly an evening stroll, farm life had for them an ideal charm; activity in the open air sent fresher blood to their brain and life took on brighter colors. Hence manual labor, especially farm labor, assumed for them a somewhat occult virtue. There was for them something morally and intellectually wholesome in work with the hands in and for itself. They began to preach its virtues as re-

formatory for mankind. Everywhere the farmer's life began to be held up as the ideal life, and "plain living and high thinking" could be carried on only with the hoe or the sickle in the hand. Hundreds forsook all and rushed into the country; even George Ripley, Nathaniel Hawthorn, Charles A. Dana, and later, Horace Greeley caught the infection and went out to form an ideal





LIBRARY AND MUSEUM.

community half industrial, half educational, at Brook Farm. Horace Greeley, by the way, took much interest in the establishment of our College, made donations to it and augured great things from it.

I would not at all assert that this was the only, or even the primary incentive to the establishment of the Michigan Agricultural College. The plain, practical, hard-headed business men who, in 1850 inserted in our constitution the provision for an agricultural college, and in 1855 prepared to carry out the requirement by appropriating \$40,000 together with twenty-two sections of salt-spring lands for the foundation of an agricultural college, undoubtedly had in their minds no fanciful conception of reforming the world. But still, even for them, the profession of agriculture had a peculiar significance. It was an occupation that could never be overdone. He who made two blades grow in place of one was an unalloyed benefactor. Every effort must be made to keep the young man on the farm, whether he was fitted for farming or not. Above all a certain amount of daily manual labor must be required of all without reference to purpose. It was to many the alpha and

omega of agricultural education, the badge of social equality, the bond between the student and the farm.

The Michigan Agricultural College is the child of the State Agricultural Society. This organization, originating in 1849, seems to have been dominated by men of remarkable force, originality, and far-seeing statesmanship. The first formal action concerning a college was

taken in 1849 on a motion of Bela Hubbard (who, full of years and honors, died recently in Detroit) to memorialize "the legislature to take such legislation as may appear necessary or expedient for the establishment of . . . an agricultural college and a model farm." Mr. Hubbard supported his motion with a cogent and scholarly speech which exhaustively treated the whole subject of agricultural education in the United States. The me-



morial was accordingly drawn up by Bela Hubbard and went to the legislature, where it bore fruit in article 13 of the State constitution of 1850, providing for an agricultural school which might be made a branch of the State University. This last proviso became the source of a long continued and somewhat bitter contest. Both the University and the Normal School sought to obtain the



THE DRAWING ROOM.

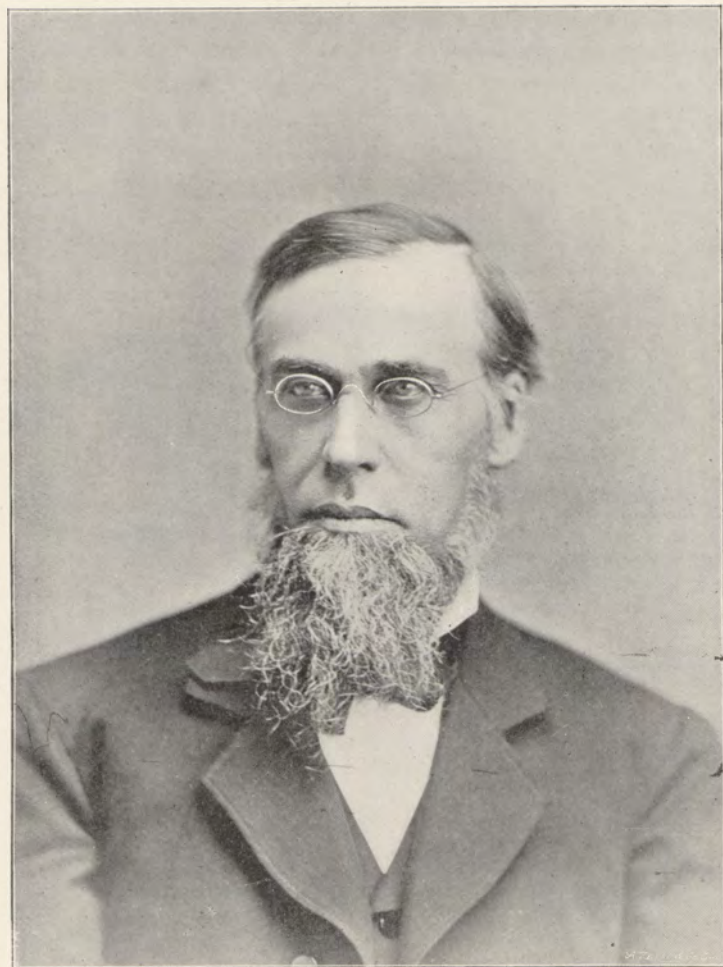
favor of the Agricultural Society, and established courses and lectures on agricultural subjects, looking to the securement of the prospective appropriation. In 1852 a committee from the Agricultural Society was appointed to urge upon the legislature the propriety of carrying into immediate effect the article of the constitution relating to the establishment of an agricultural school. This resolution recommended that the school be placed under the control of the University regents, as a branch of the University, but that the school and farm should not be established in close proximity to any existing school. At the following legislature no action was taken. In 1854 the question of location was taken up by the Agricultural Society and it was resolved that an agricultural college should be separate from any other institution, and with this idea incorporated, another memorial to the legislature was drawn up and forwarded. This was acted on by the legislature of 1855 and the appropriation of twenty-two sections of salt spring lands was made. Most active in bringing about this result was Prof. J. C. Holmes, of Detroit, the first secretary of the State Agricultural Society; a man of considerable means, broad and thorough education



GREENHOUSE.

and enthusiastic in the cause of horticulture. On the organization of the College he was made professor of horticulture and treasurer, but as the funds of the institution soon ran short, and as there was no possibility of practical horticulture until the land should be subdued to more civilized conditions, his professorship was, with his consent, suspended at the opening of the year 1858.

The law organizing the College provided for a farm of not less than 500 acres nor more than 1,000 acres in one body, within ten miles of Lansing, and at not over fifteen dollars per acre. The sum to be paid out for teaching during the first year was not to exceed \$5,000; and for the second year, not to exceed \$6,000. There were to be two terms in each year, viz., from the first Wednesday in April to the last Wednesday in October, and from the first Wednesday in December to the last Wednesday in February, "and no pupil shall be received *for less than one term.*" This last provision gave an immense amount of trouble and was the cause of endless expulsions "for desertion." It will be seen that the year was very unequally divided, the first term being seven months long and the second only three. The purpose of such division was evidently to give opportunity for



T. C. ABBOT.

cultivating all the crops and also for winter work in stock raising and dairying. The College was put in the hands of the board of education, then and subsequently the governing board of the State Normal School.

Under this law the executive committee of the Agricultural Society located the College by buying of A. R. Burr, of Lansing, a tract of almost entirely wooded land, (only three acres cleared) six hundred and seventy-six and fifty-seven one-hundredths acres in area and within three and one-half miles of Lansing. The board of education approved the choice and proceeded to clear and build.

They opened the College on the thirteenth day of May, 1857, with formal dedicatory ceremonies, and the work of the College began. There were the two buildings above spoken of—College Hall, 50 x 100 feet and the board-

ing hall of about the same size. College Hall was designed to be a huge central building of three parts, a central portion and two wings. On the ground plan the part that was built was designated as the "west wing of the college building." This building, constructed, apparently with great solidity was unsatisfactory both in foundation and roof. The stone buttressing on the south side was placed there to prevent further settling of the walls, and the roof had to be changed at a cost of some \$2,000. The chemical laboratory was located in the north rooms on the first floor, and boasted at the very first over \$2,000 worth of chemical apparatus. The chapel was where it now is, only with the rostrum on the north side of the room. On the other floors were the president's and secretary's offices, the library and museum and the class-rooms. Some of these rooms were used during the second and subsequent terms as bed-rooms.

PRESIDENT WILLIAMS' ADMINISTRATION.

The first president of the College was in many respects a remarkable man. He failed simply because it was morally impossible that at that period any man should succeed. - No such thing as an agricultural college existed on this side the Atlantic. No man in this broad land knew just what an agricultural college should even approximate. He was an enthusiast, filled with zeal for a far off ideal, and it was simply inevitable that he, a politician with many enemies, should be laughed down at his very first mistake.





VETERINARY LABORATORY.

Those were ominous words that the first president uttered when he talked about establishing a *system of labor* and a *system of instruction*, as if the two were essentially different and even antagonistic in character, in purposes, in processes, and in results. They must be "harmonized," yoked together by some artificial process and not through any natural affinity. The whole history of the College has steadily continued to demonstrate the falsity of this method of looking at the problem of an agricultural college. Labor in and for itself is a monstrosity. Intrinsically it has no character either honorable or dishonorable. It becomes noble and ennoble only by its purpose. The sole and single legitimate purpose of every college function is education (the imparting of information or training.) A system of labor, therefore, which stood in contrast with the system of instruction, had no legitimate place in a college curriculum. The whole subsequent history of the College has been a gradual realization, now complete, that the labor must take upon itself exactly the same characteristics and be handled in exactly the same way as the so-called instruction. In fact it must be simply a widening out of the processes of our studies in strict conformity with our dual nature. No man ever learned to write by committing to memory a description of the loops and curves forming the letters. He must take the pen in his hand and train the nerves and muscles to make the combinations which the brain directs. So no man ever learned to be a farmer by simply learning chemistry or botany or physics or anatomy. This knowledge is essential,

but it does not constitute farming. Most important of all is the co-ordination of this knowledge and its daily application to the processes and the exigencies of farm life as they arise. It is here that manual labor finds its legitimate position in college life. It thus becomes, in exactly the same degree, though not in the same kind, as the chemical laboratory work, a method of instruction and training. The student sees its purpose, and whatever manhood is in him is called into action to carry him



faithfully and unflinchingly through the tasks assigned. He forgets the toil in the joy of accomplishment, and his labor assumes value and dignity in his own eyes.

But the lesson so well learned today was then far from being understood. The superintendency of the farm was first placed under the care of the president. President Williams was an enthusiast, anxious for the success of the novel experiment, and capable of inspiring



EDWIN WILLITS.

others with his own enthusiasm. The novelty of the idea, and the optimism of the day gave a certain momentum, and at the opening of the second year over sixty applicants were turned away for lack of accommodations. Ninety-eight were received. Every room in the boarding hall was filled, four in a room, and all available space in College Hall was used for dormitory accommodations.

The business of the College was arranged primarily to meet the demands of labor. The number of students enrolled during the year was 124, and these were divided into three sections for labor. They rose early in those days. Chapel exercises were at five-thirty, A. M., frequently with orations; breakfast was at or near six. Labor for the first section of students began at six-thirty and lasted till nine-thirty. Meanwhile classes for the other two sections were going on, beginning at seven A. M. At nine-thirty the second section went to work, mainly logging and clearing up land. At twelve-thirty dinner was had, and from one-thirty to four-thirty the third division labored. The classes were three in number and had studies as follows: The first class, chemistry, advanced algebra and grammar; the second class, arithmetic, elementary algebra and grammar with class one; the third class, arithmetic, geography and grammar. It was only on September 8, 1858, that a connected course of study was formed and submitted for the approval of the board. Of the thirteen departments now existing at the College, eight were represented more or less fully in this course. If our teachers had been the faculty of the College at that time, Professor

Vedder would have had three and two-thirds hours of class work per day; Professor Hedrick, about two; Professor Barrows, one and one-third; Dr. Kedzie, two; Dr. Beal, one-half, Professor Woodworth, two-thirds;

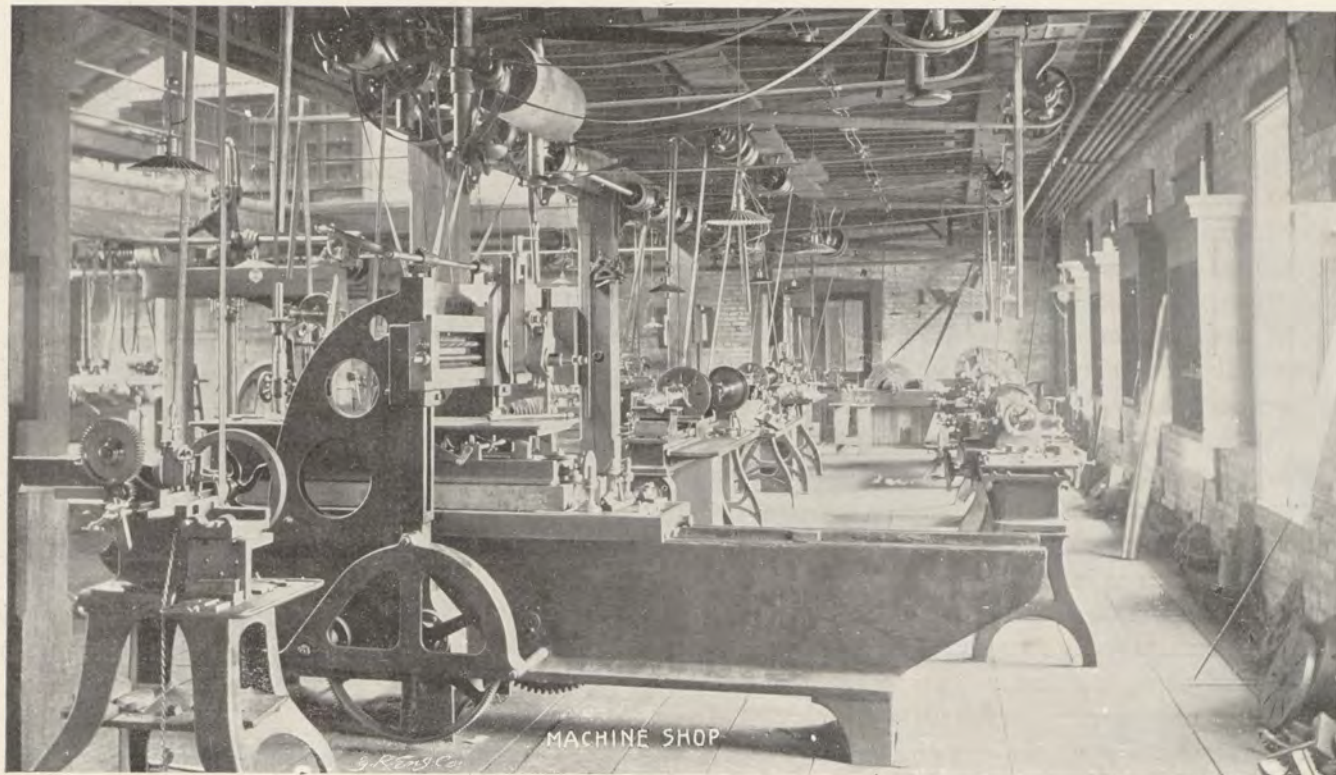


MECHANICAL LABORATORY.

Professor Holdsworth, one-third, and Professor Noble two and one-half. It will be seen that there was no class-work in distinctive agriculture or horticulture.

THE INTERREGNUM.

By the middle of the second year a reaction had set in. On march 17, 1859, President Williams resigned. "Desertions" had become frequent and a large part of the faculty minutes are taken up with expulsions for this



offense. On the resignation of President Williams a secretary and farm superintendent, in the person of R. H. Johnstone, was elected, and it was ordered that the farm superintendent be considered a member of the faculty, and entitled to a vote on all matters pertaining to the field instruction and work of the students, and to all out-door management of the institution; the indoor management and discipline of the College being left exclusively to the literary faculty. This line of absolute cleavage between two forms of work that should be identical in methods and purpose and as intimately interwoven with each other as possible soon brought forth results. The number of students steadily fell from ninety-eight at the beginning of 1858 to forty-eight at the beginning of 1860; Mr. Johnston remained only one year; and then came the inevitable "reorganization with the special view of rendering the agricultural interests of the institution more prominent."

This reorganization was, in part, necessitated by the action of the legislature of 1859, which, instead of two so materially unequal terms, had made one continuous term, beginning on the last Wednesday of February and ending on the last Wednesday of November. But the object of the board was to make radical changes in the direction of a more technical school. In these changes, L. R. Fisk, then professor of chemistry, now president of Albion College, seems to have been the leading spirit. After the resignation of President Williams, the board did not elect any president, but instructed the faculty to elect a temporary president. The faculty,

accordingly, elected Professor Fisk, and he remained the acting president until the year 1863 when he resigned.

The reorganization effected in 1860 was quite radical in character. It limited the course to two years, with a preparatory course of one year. It divided the year into two terms. The requirements for entrance to the preparatory course were just what they are now at the College. The course of study was not clearly defined, but it was to be an attempt to make a thoroughly technical course on the basis of strong entrance requirements in general culture studies. The preparatory course comprehended a year of work on algebra, rhetoric, natural philosophy, geometry, physical geography, elementary chemistry and book-keeping; while the two upper years were to be entirely taken up with the technical work in chemistry, entomology, botany, and the like. The professorships of chemistry, mathematics and English literature had continued unchanged for three years, and the last year, 1859; there had been added a professorship of entomology and physiology, an instructorship in civil engineering and a farm superintendency. Of these, two—the professorships of mathematics and English literature—disappear entirely; civil and rural engineering is made a full chair, entomology and physiology becomes zoology and animal physiology; and botany and vegetable physiology together with horticultural superintendency is added, to which chair J. C. Holmes is again appointed.

The general direction of this movement was well intentioned; but it was too radical to pass on without a reaction. Then, too, the labor system and the "system



INTERIOR OF LIBRARY.

of instruction" notwithstanding the strongest printed protestations and the fairest theories, remained practically dissociated. The teachers taught one thing in the class-rooms and the "practical farmer" pursued another line of practice in the field.

In 1861 the legislature intervened again. The law making appropriation for the subsequent two years provided for a State Board of Agriculture to consist of six members, besides the governor of the State and president of the College. The office of secretary of the board was created and a long list of duties assigned to him; among others he was made a member and secretary of the faculty. The course of instruction was made by law four years in length. The studies to be taught were specified and the College was for the first time given authority to confer degrees. This law also specified that there should be no other vacation whatever than the one mentioned above, viz., from the last Wednesday of November to the last Wednesday of February. The law remains practically unchanged, with the exceptions that all restrictions on the governor's appointments to the board other than that one-half the members should

be farmers, were stricken out in 1873; and that in 1871 the ironclad restriction on term-time mentioned above was modified to the single requirement that the College year should consist of not less than nine calendar months.

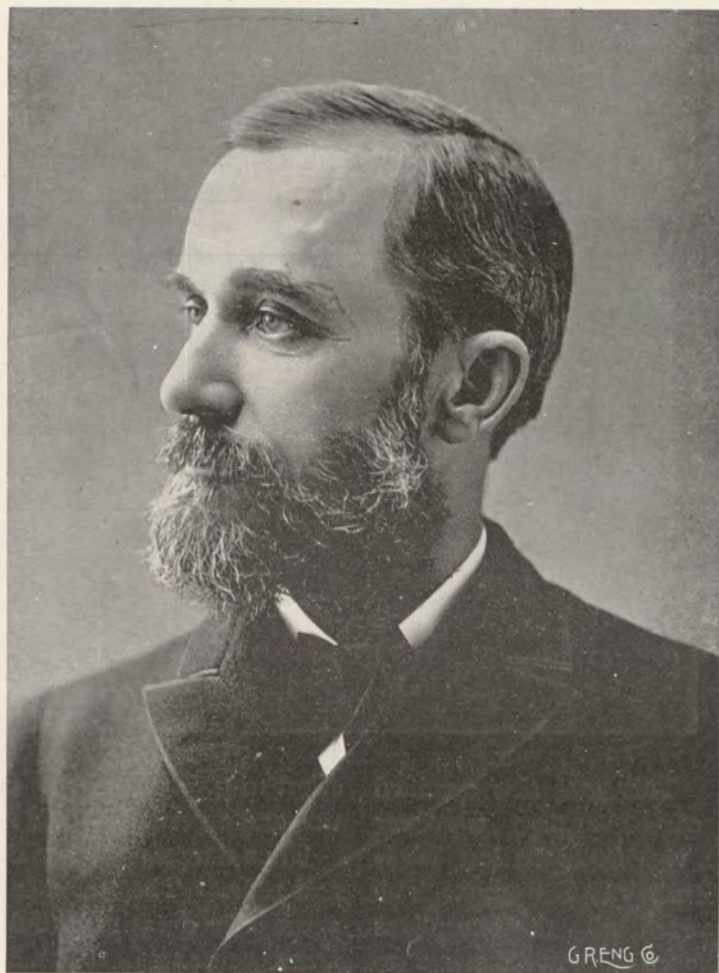
The law of 1861 required the Board of Agriculture to elect a president of the institution before the opening of the next term. This would have meant an election in 1861; but at their first meeting in April the board was unable to find a man suited either for president or secretary. They continued the old arrangement as to the presidency and requested Prof. T. C. Abbot to act as secretary in addition to his other duties. A new course of study was adopted. There were only two terms in the year, and the course arranged is simply a crude



CHEMICAL LABORATORY

effort to give instruction (without any careful assimilation and digestion) in the branches required by law.

Thus things drifted on during the dark days of 1861 and 1862. The commencements were then and for years subsequently, until the year 1881 (no commencement occurring in 1880), held in November. The seven members of the class of '61 were excused before the end



OSCAR CLUTE.

of their senior year to enlist in the corps of engineers from Battle Creek under command of Captain Howland, and the school moved uneventfully along without attracting much public attention in those stirring days. Thus things continued until 1863.

THE NEW ERA.

During all these months lengthening out into years, the board had been searching here, there and everywhere, for a president. In the very last days of 1862 they unanimously discovered that the man they were looking for was under their very hand in the person of Theophilus C. Abbot. Dr. Abbot became first connected with the College in 1858 in the capacity of professor of English literature and farm economy, to which was joined the office of treasurer. At the reorganization in 1860 he was appointed professor of civil and rural engineering, and continued for more than a year to perform the duties of this position. In 1861, the professorship of English literature was revived and he was transferred again to that chair. At the request of the Board of Agriculture he also acted as Secretary of the Board until his election to the presidency. He

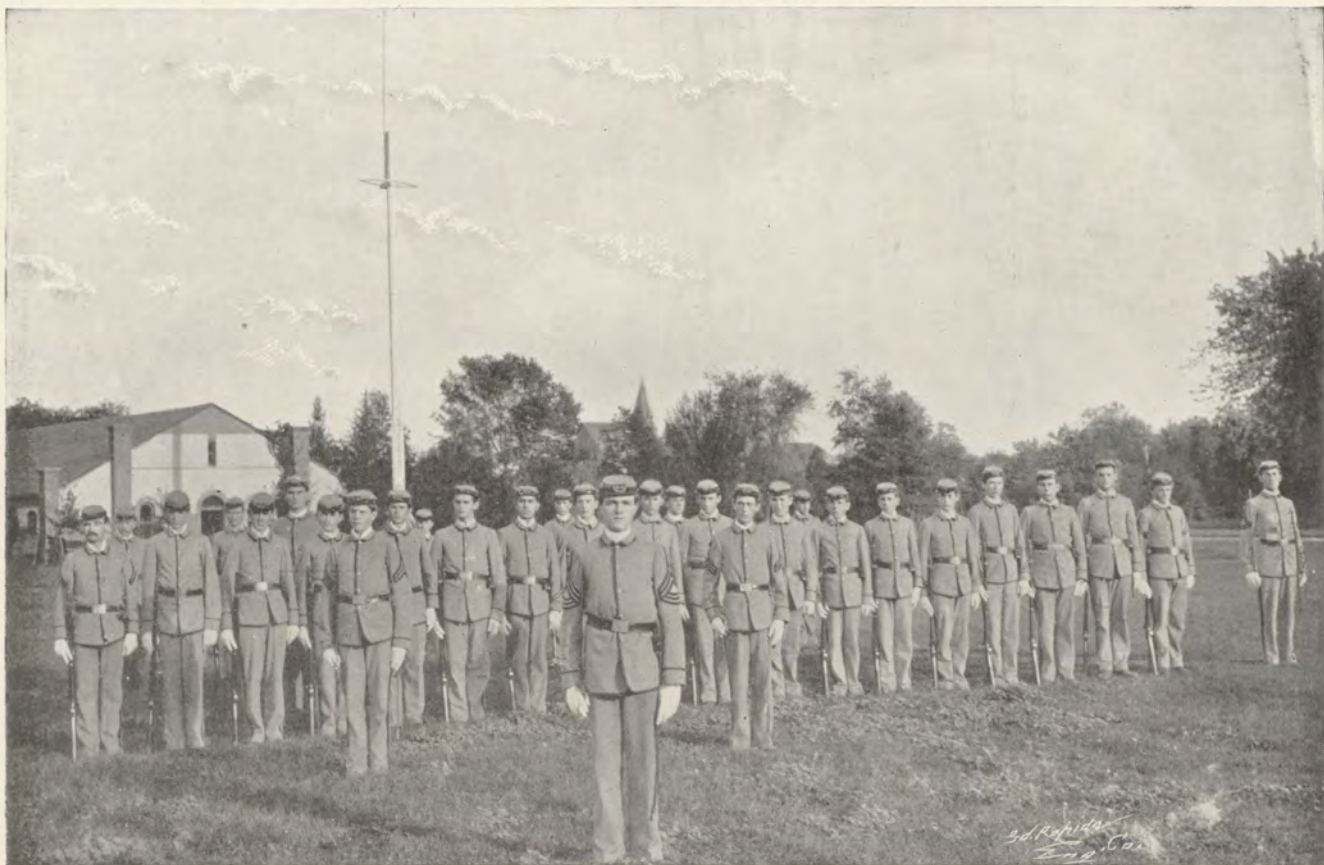
carried the duties of his professorship until 1866, when Professor George T. Fairchild, now president of the Kansas Agricultural College, was chosen for that work.

It is with the year 1863 that the College begins to take upon itself its permanent form. From that date one notices in every direction the plastic hand of the "formative president." First the course is reorganized. Distinctively agricultural studies are introduced into the Freshman year, and the steady effort to make the College a school where real professional training is inti-

imately and successfully combined with pure science and general training is begun. An elaborate plan for making the work-system an integral part of

the course of instruction was drawn up. Each professor was given general management of the part of the farm





AT DRILL.

work pertaining especially to his department. The farm superintendent presented to the faculty a plan of operations for the year. This plan was discussed in all its bearings, especially on instruction. The work was carefully co-ordinated and students assigned to parts of it in successive and logical order. Each professor had written instructions and limitations for his sphere, and thus there was intimate relation between the class-instruction and the practice in the field.

BUILDINGS.

President Abbot was a man who, in a remarkable degree, drew men to his opinions, and he had joined with him men of might and influence in the faculty. After the essential features of an agricultural college were once settled upon, these forces produced results of a



material kind in the enlargement and widening out of facilities at the College. The United States land grant act of 1872, gave permanency and an outlook for the future, and the buildings began to multiply. In 1870 Williams Hall (not named till 1877) and the brick farm house were built. In 1871 the chemical laboratory

(with the exception of the southern wing) was won from an unwilling legislature, mainly as a tribute to the sterling work of Dr. Kedzie. In 1874, the president's house, the two wooden houses next thereto, and a greenhouse of four rooms, since rebuilt, were built. Preparatory to the building of these houses, a landscape gardener, Mr. Adam Oliver, of Kalamazoo, was employed to lay out the grounds in permanent form and the present system of walks, and drives, in its main features, was the result. This man de-



BOTANICAL LABORATORY. (BUILT 1880. BURNED 1890.)

serves great credit for his grasp of the possibilities of the place. The plan brought out the best features of the park (such, for instance, as the entrance drive along the



'A "REMINISCENCE,"

steep bank of the river) and made convenient and handsome locations for subsequent buildings. Previous to his time the main entrance had been to the north, somewhat west of the present Howard Terrace. Much of the present tree-grouping, however, is Dr. Beal's work. The west entrance was finally laid out in 1875, by Professor Gulley whose new professorship of practical agriculture was created in 1875. In 1876 the original boarding hall (Saints' Rest) was burned and the legislature very promptly supplied its place with a new building (Wells Hall.) In 1880 the house for the professor of agriculture was built, and in 1883 a house for the professor of horticulture. In 1880 the legislature gave Dr. Beal a laboratory, at that time the most imposing in the country. As botanical laboratories were then almost unknown in connection with colleges we have in this building the most indisputable testimony to the far-reaching character of Dr. Beal's work. In 1881 the library and museum build-

ing was constructed, and the south wing of the chemical building added, and in 1884 the boiler house and pumping apparatus were installed.

THE ADVENT OF THE MECHANICAL DEPARTMENT.

In 1884 President Abbot began to feel himself failing and asked to be relieved of the presidency. He well deserved the title of "formative president" of the college. It is a noticeable fact that every important enlargement of the College operations either originated under him or was advocated by him. The introduction of the veterinary department occurred in 1882. The establish-



Class in Bacteriology

ment of the postoffice, the organization of the students' government, and later of the club boarding system, all took shape under him. Even our latest move, the change of vacation, and the introduction of a women's course, were advocated by him before 1878. The establishment of a mechanical department was for some years



L. G. GORTON.

deprecatd by him, because he desired to feel first that the agricultural course was perfectly safe. However, in 1883 he went before the legislature with a bill for a mechanical course, but that body was not quite ripe for such a proposal. In 1885, however, this new department was originated and pushed forward by the vigor of the new president, the Hon. Edwin Willits. The first head of this department was Dr. Louis McLouth, and he built a broad and firm foundation for those who followed him. The department, thoroughly interweaving, as it does, theory and practice, has not proved as was feared by some, a rival to the other course; but has been a great source of strength to the College as a whole.

And here this sketch must close. There are a hundred other matters that should be at least alluded to. There are names—honored names—that have not been so much as mentioned. There are stories of personal labor and achievement that read like romance. But forty years is a long period of time to cover in the space of a few pages and this must all be omitted.

If in any degree this sketch shall enable us to realize what the labors of our predecessors have wrought out for us, and shall infuse into our hearts a larger degree of gratitude to them and a more fervent love for the old College, it will have fulfilled its purpose.





STATE BOARD OF AGRICULTURE.

STATE BOARD OF AGRICULTURE.

FRANKLIN WELLS, President of the State Board of Agriculture, was born in Salem, Washington county, New York, April 19, 1823, and came to Michigan with his parents in 1837, remaining on the farm where they settled near White Pigeon, St. Joseph county, for about a year, when he entered the store of W. T. House & Co. at Constantine, where he remained as clerk until 1841. He then went into the counting house of Joseph R. Williams & Co. as book-keeper. In 1842, before he was of age, he entered into partnership in a general store with Mr. Albert Andrus, and in 1846 became sole proprietor. From that time until 1873 he continued in business as general merchant, grain and stock dealer, at one time having Governor Barry for a partner. Since 1873, and up to the present time, he has been engaged in farming and in buying and shipping grain, wool and stock. He has three large farms located near Constantine which he personally superintends.

In 1873 Mr. Wells was appointed member of the State Board of Agriculture by Governor Bagley, and has held the office continuously since that time, having been reappointed at the expiration of each term, the last appointment being in 1895 by Governor Rich. He has been president of the Board since 1884, having been elected to that office on the death of Judge H. G. Wells, and has been re-elected biennially since that time. His long term of office as member of the State Board of Agriculture, indicates not only the confidence reposed in him by each successive governor for his ability to

look after affairs of the College, but also indicates his great interest in the Agricultural College. Mr. Wells, although now past seventy years of age, is still active and vigorous, and never misses a meeting of the Board.

GOVERNOR JOHN T. RICH is ex-officio a member of the State Board of Agriculture. He was born at Conneautville, Pa., April 23, 1841. He received a common school and academic education, working as a boy on his father's farm. His first election to office was as supervisor of his township, which office he held four years. He was elected to the State legislature as representative from the first district of Lapeer county in 1872, and re-elected in 1874, '76, and '78. The legislature of 1877 elected him speaker as did also the legislature of 1879. In 1880 he was elected to the State senate from the 20th district, Lapeer and Macomb counties, but in March of that year he was nominated as a candidate for congress from the 7th district of Michigan to succeed Mr. Conger who had been elected senator. He resigned his seat in the senate, and at the spring election was elected to congress, serving one term. In 1880 he was a prominent candidate for governor. In 1887 Governor Luce appointed him Commissioner of Railroads, which office he held for four years. In 1892 he was elected governor of the State, and re-elected in 1894. Governor Rich has all his life been actively interested in agriculture and stock breeding. Still owning and controlling the large farm on which his

father settled when he came to Michigan. He has been president of the National Wool Growers Association, and was for two years president of the Michigan State Agricultural Society.

HENRY CHAMBERLAIN of Three Oaks, was born in Pembroke, N. H., March 17th, 1824, and came to Michigan in 1843, settling with his father at Three Oaks, where they established a general store, the business being carried on by his father, himself, and brother, as successors for many years. They also purchased a large tract of land near the town, which was improved and brought into cultivation until Mr. Chamberlain had some 800 acres of improved land. He was elected supervisor of his township at the age of twenty-one, and a year or two later was elected to the House of Representatives of the State legislature, and was nominated for governor in opposition to Governor Bagley in 1874.

He was appointed member of the State Board of Agriculture in 1883 by Governor Begole, and served the full term. In 1891 he was again appointed by Governor Winans.

W. E. BOYDEN was born July 15, 1860, in the township of Webster, Washtenaw county, Michigan, on the farm on which he now resides. He grew up on this farm obtaining his education at the common schools. Since the death of his father which occurred in 1880, he has conducted the farm which is one of the best in the county, and has been extensively engaged in breeding Short-Horn cattle and Merino sheep. He has been a member of the Executive Committee of the Michigan State Agricultural Society for some years, and is president of the Michigan Short-Horn

Cattle Breeders' Association. He was appointed member of the Board in 1895 to fill the unexpired term of Honorable Edwin Phelps of Pontiac, who had resigned. He is chairman of the Farm Committee of the Board.

CHARLES W. GARFIELD was born in the town of Wauwatosa, near Milwaukee, Wisconsin, March 14, 1848. Ten years later the family removed to Grand Rapids, Michigan, where as a boy he worked on the farm summers and attended school winters until the age of seventeen when he began teaching a district school. He taught four terms and attended the high school about a year, working upon the farm at intervals until the spring of 1868, when he entered the Agricultural College, completing the course and graduating in 1870. After leaving college he spent a year with the nursery firm of Storrs, Harrison & Co., Painesville, Ohio. Returning to Grand Rapids he was for two years engaged in the nursery business, and in 1873 was appointed foreman of the Horticultural Department at the College, which position he held for four years. In 1873 he received the M. S. degree from this College. In 1877 Mr. Garfield was elected secretary of the State Horticultural Society which had been organized some years previously, and held that office for ten years. In 1880 Mr. Garfield was elected member of the State Legislature from the second district of Kent county. He is engaged in many business enterprises, most important of which is president of the Grand Rapids Savings Bank.

CHARLES F. MOORE was born in St. Clair, Michigan, August 30, 1842, where he received a common school education. He has been extensively engaged in the lumber

business from his boyhood, having large interests in pine and hardwood timber lands. In 1876 he was elected representative to the State legislature from the first district of St. Clair county and served one term. He has served several terms on the city council of St. Clair, and takes an active interest in politics. Some years ago he organized a company for the manufacture of salt, and at present is at the head of a large manufacturing concern, the product of which has an extensive sale. He also owns a highly improved farm near St. Clair, and was for a number of years a prominent breeder of short horn cattle.

CHARLES J. MONROE of South Haven, a member of the board, was born in the township of Lawrence, Van Buren county, November 20, 1839. He obtained a limited education in a district school, and by study at home, at the

opening of the Agricultural College in 1857 he was among its first students, spending two and one-half years at this institution. In 1867 he opened a private bank at South Haven in company with S. R. Boardman. In 1871 he organized the First National Bank of South Haven and was elected cashier, and has been connected with the bank since then, being now its president. He is also president of the Kalamazoo Savings Bank, and also of a bank at Bangor, Michigan. In 1878-9 he took a law course at the University of Michigan. In 1882 he was elected to the State senate from the district in which he lives, and re-elected in 1884, and again in 1886, during the latter term was president pro tem of the senate. In addition to his banking and real estate business, he owns and conducts a large farm near South Haven, and is also an extensive peach grower.





The College Bell

IF THE inanimate materials that aid in making up that concrete whole—the College, the things that abide while the generations of college life sweep by, could find voice and tell of the shifting scenes they have witnessed, what a tale they could unfold. A generation at college is four years, and if by reason of *conditions* it be five years, yet the added year is labor and sorrow. When a student returns, a few years after graduating, and finds all his old student friends gone, passed away with the swiftly revolving quadrennial generations of college time, and only two or three of his former teachers left, a feeling of sadness comes over him as he recalls some of the events of his college life. But if the College Hall, the dormitories, the laboratories, the campus and even the College Bell could reveal what they have seen and the changes they have witnessed, the story would be worth hearing.

I do not know when the bell first came to College, but for more than thirty-three years

it has given tongue to the duties of the hour. Its home at first was under the shade of an old oak tree, south of the walk and about midway between College Hall and Williams Hall, resting on a rude frame about ten feet above the ground. Thence it was removed and mounted on a stout pine frame in the grove about six rods north of west of the Mechanical Laboratory, close by the open-air gymnasium that developed our early athletes. It remained in this place for many years till complaint was made that it could not be heard on the farm south of the Red Cedar River, and there was danger that the boys would exceed the three hours work then required. The College authorities then said to the faithful servant "Come up higher," and placed it on top of Williams Hall, where it still remains.

The life of the bell has not been entirely uneventful. When it dwelt under the oak, on its frail shelf, somebody would occasionally turn the mouth of the bell upward, filling it with water and leaving it so insecurely braced that when the bell boy came at five o'clock in the morning to ring the rousing bell, he "received a baptism from on high" that did not seem to improve his religious nature.



In 1862 somebody stole the clapper, and the voice of the bell was no longer heard. Recognizing the importance of the proper division of time in conducting the affairs of the College and the use of the bell for marking the divisions of time, teachers and students turned out in a body in a grand hunt for the fugitive clapper. The students entered upon the work with surprising zest and

energy and seemed to enjoy the hunt even more than the faculty, showing how deeply they grieved at its untimely disappearance. After two days' hilarious hunt a lucky student found the clapper. This was restored to its normal position, and "all went merry as a marriage bell."

Early in the spring of 1863 it was announced in faculty meeting that the clapper of the bell was again stolen. "What shall be done? Shall

we once more suspend college duties and hunt up the clapper?" The suggestion was made that the bell was for the accommodation of the students, that the teachers all having watches, did not especially need the bell and could easily get along without it, but that the students be required to attend all college exercises promptly on time. This decision was announced to the students in chapel, and it was received as a good joke till the dark

suspicion arose that possibly the foremen of the work-gangs might keep them a half hour or more over time and the boys would have no redress. The clapper speedily came back by unseen hands.

In 1872 the bell and its frame moved from the grove to a place near the big stone. Acting President Fairchild told the students that the bell would be rung when it had returned to its old place, and it went back, apparently of its own accord, the next night, but in order to keep the bell in countenance, the whole body of students marched in the procession.

After the experience of 1863 the bell was unmolested for several years, but after that generation had passed by there arose a new set of students "who knew not Joseph," and they would light upon the funny and original idea of stealing the clapper of the bell, and the old trick would come up bright and smiling and the annoyance would last for a day. Finally, Frank Gulley and

Robert Kedzie, tiring of the quadrennial resurrection of this old trick, determined to lay its ghost. They unscrewed the nut that fastened the clapper in the bell, swabbed the inside of nut and the thread of the bolt with solution of salammoniac, screwed the nut firmly in place, where it would rust tight, riveted the bolt upon the nut, and the clapper has never left the bell since that time.

Many people suppose that lisping is caused by too short a frenum or bridle under the tongue which restrains its motion to a certain extent. When in the practice of medicine, I was often requested to "cut the bridle of the tongue" in children to cure them of lisping. The College bell has been tongue-tied for many years, but no one suspects it of lisping. It calls to duty, clear, outspoken and open mouthed, and will continue to do so for many generations of college life.

R. C. KEDZIE.

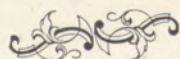






FERONIAN SOCIETY.

Feronian Society



OFFICERS.

MISS BERTHA BAKER,	.	.	President
MISS FAY WHEELER,	.	.	Vice President
MISS ELLEN VAUGHAN,	.	.	Secretary
MISS MYRTLE PASHBY,	.	.	Treasurer

ACTIVE MEMBERS.

CLASS '93.

Miss Lilian Wheeler.

'95.

Miss Mamie Baker.

'96.

Miss Bertha Wellman.

'97.

Miss Sadie Champion.

'98.

Miss Clara Steele.

Miss Bertha Baker.

'99.

Miss Myrtle Pashby.

Miss Mina Fuller.

Miss Ellen Vaughan.

Miss Ina Keiller.

SPECIAL.

Miss Fay Wheeler.

Miss Pearl Kedzie.

Miss Loa Renner.

Miss Myrtle Peck.

Miss Elizabeth Truman.

Miss Mary Green.

Miss Marie Bellis.

Miss Phœbe Dean.

Miss Essa Singleton.

HISTORY.

Notwithstanding the fact that the Michigan Agricultural College has been strictly a boys' college, there has always been a number of girls here, and every few years one or more of them graduated. In the spring of 1890, twenty of the classification cards were taken out by co-eds, making the largest number of girls ever in the College at one time.

The boys would often invite the co-eds to visit their different societies, and this roused in the girls a feeling of envy and made them wish that they might also enjoy the many pleasant things of society life. At this time some of the girls changed these vague wishes into glowing plans which met with the approval of all, but which few ever expected to see realized. There was more work and earnestness behind these ideas, however, than they thought for, and soon a meeting of the girls was called in the entomological class-room. As a result of the enthusiasm of a few of the girls, and the encouraging words of Mrs. Hillman, who became the first president, the society was organized March 20, 1890, and at the next meeting adopted a constitution and the name "Feronian."

For two terms there were only members enough to fill the offices, but perseverance counted, and soon more co-eds entered, lending their aid to the disheartened workers.

One of the most difficult things to overcome was the natural prejudice of the boys towards, and the fun they

made of the girls' society. The "iron jawed fraternity" was only one of the delightful nicknames applied to the society, not to mention the numberless prophecies that the Feronians would soon die a calm and natural death. All were not so severe. Many from the first wished us well and extended the cordial hand of friendship to the new society. A majority of one of the boys' societies evidently felt in this way for they have allowed the Feronians to meet in their large, pleasant building during the six years of the society's existence, and the girls feel that they can in no adequate way express their thanks for this favor.

One of the greatest benefits of this little society seems to be the warm friendships it has engendered among its members. Being in so many different classes, no time is offered to become acquainted except in this way. It also prevents lonesomeness and homesickness—two bad things to mix with study. Then, too, the literary work of the society helps so much in rhetorical, orations, etc., which are required in common with the boys who have constant training in their societies.

In spite of insufficient numbers, inexperience, and other discouraging features, the girls seem to feel that it has payed in good, full measure to organize the Feronian Society. It is hoped that the new co-eds who come next year will enjoy the work and pleasures of this society as much as have those who started it and who have carried it thus far on its way.

** ROLL **

CLASS '90.

Miss Jessie Beal (Mrs. R. S. Baker).

'91.

Mrs. Susie Hillman. *

Miss Grace Fuller.

Miss Marion Weed.

Miss Jessie Foster (Mrs. A. L. Sweeny).

'92.

Miss Mabel Linkletter (Mrs. Chas. Robinson).

'93.

Miss Katherine Cook.

Miss Daisy Champion.

Miss Jennie Cowley.

Miss Lizzie O'Connor (Mrs. L. C. Gibbs).

Miss Lillian Wheeler.

Miss Cora Stocking (Mrs. Palmer).

Miss Lucy Clute (Mrs. P. B. Woodworth).

'95.

Miss Mamie Baker.

Miss Otie Cook.

*Deceased.

'96.

Miss Emma Churchill.

Miss Bertha Wellman.

'97.

Miss Sadie Champion.

'98.

Miss Clara Steele.

Miss Alice Coats.

Miss Bertha Baker.

Miss Edith Brush.

'99.

Miss Myrtle Pashby.

Miss Mina Fuller.

Miss Ellen Vaughan.

Miss Ina Keiller.

SPECIALS.

Miss Mary Gilroy.

Miss Anna Cooper.

Miss Franc Hunter.

Miss Catherine McCurdy.

Miss Fay Wheeler.

Miss Carrie Burnett (Mrs. P. G. Holden).

Miss Cornelia Wardwell.

Miss Hattie McKenzie.

Miss May Schooley (Mrs. W. F. Pennington).

Miss Pearl Kedzie.

Miss Hattie Fox.

Miss Kittie Hill.

Miss Loa Renner.

Miss Katherine Clute.

Miss Myrtle Peck.

Miss Elizabeth Truman.

Miss Nancie McArthur.

Miss Marcia Vedder.

Miss Julia Tucker.

Miss Bertha Moe.

Miss Mary Green.

Miss Marie Bellis.

Miss Phoebe Dean.

Miss Essa Singleton.



HESPERIAN SOCIETY.

Hesperian Society



OFFICERS.

W. T. BARNUM,	President
D. J. HALE,	Secretary
J. A. ELLIOTT,	Treasurer

MEMBERS.

CLASS '96.

W. T. Barnum,
J. H. Briley,
L. P. Fimple,
L. D. Sees.

'97.

J. A. Elliott,
C. B. Laitner,
F. N. Lowry,
J. D. McLouth,
E. D. Sanderson,
H. E. VanNorman.

'98.

H. L. Becker,
H. C. P. Case,
G. W. Corey,
H. A. Eldridge,
D. J. Hale,
W. D. Hurd,
C. H. Loomis,
D. A. Seeley.

'99.

E. R. Austen,
B. Barlow,
L. S. Christensen,
M. B. Dewey,
D. E. Hoag,
T. Lewis,
L. E. Sage,
A. H. Stone.

HISTORY.

The Hesperian Society dates its history from 1889. In the spring of that year a few students, now society men, recognizing the advisability of adding to the list already in existence, met in a private room to consider the desirability of organizing a new literary society.

As a result of this meeting other conferences were held, the faculty consulted and after much serious thought and careful consideration, by-laws and a constitution were drawn up and adopted, and the Hesperian Society was formally organized the 20th of April, 1889.

For a considerable period the society existed under rather adverse circumstances. They had no regular place for holding their meetings, no rooms they could call their own. They met in literary and business sessions in the private room of some of its members, or in a class room on the third floor of College Hall. But as we are strengthened by overcoming difficulties it may be that struggling against these inconveniences acted as an invigorator to the young society.

The first change which occurred to mark a material improvement in the society was the occupation of the rooms in Wells Hall in August of 1890. With the possession of these rooms seemed to come even greater persistence and energy than before had been exhibited, and the success and endurance of the society from that time was assured. Other improvements were soon made, a piano was purchased and furniture provided. A second great step in the improvement of the rooms was taken

in 1893, when the parlor was added and new furniture provided throughout. And lastly was the hardwood floor, put down in the spring term of '96. With these changes the rooms appear today unrivalled by any on the grounds in furnishings, and in the general qualities which go to make pleasant and attractive apartments for the society in the work it was designed to do.

The society was organized with a charter membership of eight persons. The number of members has since increased until at times it has numbered over forty.

In the summer 1890, the Hesperian was recognized by the other societies when their request for representation on the *Speculum* was granted. In the fall of the same year the society for the first time sent a representative to the oratorical contest. The representative that year was successful in receiving first honors, and in the years that have followed the contestant from this society has won either first or second honors.

The work of the society and the objects it was designed to accomplish, are as set down in the constitution to promote the intellectual and social qualities of its members, and increase their knowledge of parliamentary law.

This in brief is the growth, aims and history of the society. Though comparatively young in years, yet it has made such marked progress that to-day it holds a place in the very foremost rank of the societies at the M. A. C.

• • ROLL • •

CLASS '89.	F. L. Hoffman.	V. L. Steward.	R. E. Johnston.	R. E. Latting.	W. C. Stewart.
G. C. Davis.	V. J. Hooper.	J. L. Watson.	H. K. Jones.	W. C. McLean.	H. E. Van Norman.
F. M. Paine.	E. E. Miller.	W. S. Wiggins.	M. G. Kains.	G. E. Miles.	
F. E. Semon.	H. N. Peck.	J. T. Wight.	S. C. Laitner.	F. C. Morse.	'98.
H. A. Stewart.	C. H. Piper.		H. F. Lake.	G. W. Munro.	H. L. Becker.
C. H. Todd.	L. B. Plummer.	'94.	H. W. Lawson.	C. M. Otis.	H. C. P. Case.
R. H. Wilson.	W. K. Sagendorph.	C. J. Barnum.	W. Matura.	L. Parkes.	L. J. Cole.
'90.	A. H. Sales.	A. N. Clark.	H. J. McEwen.	G. Patterson.	G. W. Corey.
G. W. Kinsey.	W. H. Sales.	M. H. Coon.	J. S. Mitchell.	J. R. Sayles.	L. Crittenden.
F. A. Sanderson.	C. H. Spencer.	J. W. Dunn.	F. P. Normington.	L. D. Sees.	H. A. Eldridge.
W. G. Stewart.	D. N. Stowell.	F. H. Elliott.	M. D. Owen.	B. E. Thomas.	D. J. Hale.
'91.	D. W. Trine.	P. W. Jones.	G. H. Phillips.	M. M. Thompson.	W. D. Hurd.
C. D. Dundore.	A. S. Todd.	E. V. Johnston.	C. W. Porter.	M. P. Thompson.	E. L. P. King.
S. C. Dundore.	'93.	S. P. Orth.	R. L. Reynolds.	G. C. Van Alstyne.	C. H. Loomis.
J. R. Frank.	J. C. Anderson.	C. H. Perrin.	T. W. Rockwell.		E. J. Mahon.
H. C. Whipple.	G. W. Benjamin.	A. Rohr.	F. Sharp.	'97.	D. A. Seeley.
'92.	W. D. Bingham.	W. G. Shepherd.	F. D. Small.	F. E. Barr.	R. L. Stone.
H. B. Baker.	P. S. Burnham.	C. B. Smith.	W. W. Smith.	T. W. Clark.	C. H. Wahl.
H. W. Bateman.	H. M. Goss.	F. Trout.	G. L. Stewart.	E. B. De Lano.	
L. N. Brown.	O. B. Hall.	R. S. Welsh.		J. A. Elliott.	'99.
N. E. Dresser.	W. L. Harvey.	W. F. Wight.		C. A. Graves.	E. R. Austin.
G. E. Ewing.	C. E. Holmes.	'95.	W. T. Barnum.	R. A. Gongwer.	B. Barlow.
G. Ford.	C. I. Hood.	J. B. Brockway.	W. W. Bradfield.	G. C. Humphrey.	W. L. Chase.
H. B. Fuller.	T. W. Kathe.	J. W. Busch.	J. H. Briley.	A. La Due.	L. S. Christensen.
R. D. Gardner.	F. H. Kishpaugh.	J. Chamberlain.	A. T. Cartland.	C. B. Laitner.	M. B. Dewey.
A. H. Gillett.	W. W. Kramer.	F. W. Cogswell.	J. A. Clark.	F. N. Lowry.	D. E. Hoag.
C. A. Hathaway.	H. H. Merriman.	C. J. Combs.	R. E. Doolittle.	J. B. McCallum.	T. Lewis.
W. P. Hawley.	H. C. Moyer.	O. Elliott.	L. P. Fimple.	J. D. McLouth.	C. H. Palmer.
W. I. Herron.	H. J. Peaster.	G. W. Graham.	G. A. Fisher.	E. D. Sanderson.	L. E. Sage.
A. D. Himebaugh.	E. Smith.	W. B. Hunt.	F. E. Hoppins.	L. C. Smith.	A. H. Stone.



ECLECTIC SOCIETY.

Eclectic Society



OFFICERS.

W. R. VANDERHOEF,	.	.	President
D. C. McELROY,	.	.	Vice President
F. W. NEWMAN,	.	.	Secretary
A. S. ELDRIDGE,	.	.	Treasurer

MEMBERS.

CLASS '96.

R. L. Clute.
R. B. Buek.
W. R. Vanderhoef.
G. W. Williams.

'97.

C. D. Butterfield.
H. A. Dibble.
J. N. Goodrich.
H. M. Howe.
F. W. Kramer.
D. C. McElroy.

'98.

H. N. Brown.
H. W. Force.
W. J. Merkel.
H. L. Mills.
F. W. Newman.

E. B. Wallace.

'99.

M. Agnew.
E. Bailey.
W. A. Bartholomew.
S. Culbertson.

A. S. Eldridge.

W. H. Flynn.

E. D. Gagnier.

G. D. Miller.

R. W. Swift.

P. W. Porter.

L. W. Clancy.

L. J. Bolt.

C. H. Adams.

E. S. Good.

F. H. Libbey.

HISTORY.

Nearly twenty years ago, in one of the class rooms of College Hall, a few earnest and energetic students, not at that time members of any literary society, met for the purpose of perfecting an organization which should at once assume and hold high rank among literary societies already organized at the M. A. C. For a number of years a chapter of the Delta Tau Delta fraternity had had its existence at the College, and later a chapter of the Phi Delta Theta fraternity was organized; also, after several years the Union Literary Society formed. This had been the only distinctively literary society on the campus, although it is supposed that both fraternities had, as they have since, maintained what they called a literary society in their own halls.

The framers of the first constitution and by-laws of the Eclectic Society were young men of energy, worth and perserverance. They certainly showed an unusual amount of application and devotion to the cause for which they enlisted, as may be known from the fact that many of their best days at college and much of their hard-earned money were devoted to organization and development of the new society.

Joseph A. Briggs, J. R. Monroe, and a student by the name of Morrison whose initials are not known to us, constituted the committee that was appointed during the fall term, 1877, to prepare a constitution and by-laws of the newly formed society early in the spring term, 1878. J. R. Monroe was the first president and James P. Lewis

was secretary, pro tem, of the first meetings, and also of subsequent meetings that were held during the first three months of the society's existence.

It is fair to assert that at the end of the first term of existence of the society, there were at least twenty active members, and that from that time to the present day the Eclectic Society has been an important factor in the social and literary life of M. A. C.

To write a complete history of the struggles and privations that were undergone by the members who did the pioneer work for the Eclectic Society would be impossible. While the records are incomplete and the story has not been well written, yet we distinctly remember anecdotes of the young heroes who carried the lath, lime and sand to the fourth floor of Williams Hall, and by their own efforts, made the plaster, did the work and fitted up the society hall. Old members visiting the College away back in the early eighties often related to interested hearers, how, after the labors of the day were over, and late in the evenings and on Saturdays, the boys finished up what is now the main room of the Eclectic Society hall, holding their meetings in the presence of the piles of materials which they were using to complete the room.

Since that time, however, many changes and improvements have been made in the society hall, and many Eclectics have left their college home to tread successfully the paths of life.

• • ROLL • •

CLASS '78.	W. H. Coffron.	A. W. Sutton.	F. E. Rood.	P. P. Chapman.	B. O. Johnson.	H. S. Enlaw.	J. N. Goodrich.
J. P. Lewis.	H. A. Dickie.	E. E. Troxel.	D. F. Sayre.	E. G. Cooney.	T. S. Major.	C. R. Haigh.	H. M. Howe.
J. R. Monroe.	J. F. Evert.	L. K. Woodman.	R. W. McCulloch.	J. H. Hooper.	T. F. Marston.	F. W. Lewis.	F. G. Jahn.
J. E. Miller.	A. Elsby.	'85.	F. R. Smith.	J. H. Heard.	W. E. Palmer.	B. O. Longyear.	F. W. Kramer.
'79.	S. T. Elliott.	E. S. Briggs.	W. A. Thomas.	G. S. Jenks.	B. W. Peet.	C. C. Lemon.	R. T. Lockie.
J. A. Briggs.	W. Farnsworth.	J. Y. Clark.	H. S. Theirs.	B. L. Jenks.	E. H. Polhamus.	L. A. Willson.	N. J. Miller.
C. W. Gammon.	L. B. Hall.	F. L. Chappell.	C. S. Whitmore.	C. D. Mena.	H. U. Shattuck.	'95.	D. C. McElroy.
C. S. Guile.	A. G. Jack.	H. T. French.	H. H. Winde.	W. W. Morrison.	C. S. Smith.	H. R. Allen.	M. Montgomery.
C. E. Sumner.	W. T. Langley.	H. P. Gladden.	'88.	R. B. McPherson.	L. G. Stine.	W. A. Ansoerge.	J. F. Merkel.
'80.	E. McArthur.	H. L. Harrison.	H. B. Andrus.	J. R. Rogers.	A. L. Thompson.	G. J. Baker.	E. D. Osborn.
F. P. Hagenbeck.	E. A. Murphy.	R. W. Hemphill.	F. B. Ambler.	C. P. Smith.	W. J. Wilt.	H. Chatterton.	A. L. Podd.
M. E. Ruthruff.	B. J. Robertson.	W. F. Landreth.	L. C. Colburn.	B. F. Simons.	'93.	E. Ellsworth.	J. Stock.
T. B. Preston.	E. C. Spaulding.	J. B. Leonard.	A. E. Bulson.	A. L. Waters.	S. J. Blake.	E. C. Engle.	W. H. Williams.
'81.	G. W. Thompson.	H. W. Meeker.	F. W. Essig.	'91.	H. R. Breck.	E. J. Heck.	'98.
L. W. Wilcox.	C. E. Weed.	F. R. Osborn.	H. E. Harrison.	F. W. Ashton.	E. T. Bernart.	G. Nichols.	H. Arnt.
A. L. Anderson.	L. W. Wilcox.	W. Buckman.	W. J. Hinkson.	J. T. Ashton.	A. B. Chase.	O. A. Nichols.	H. N. Brown.
A. E. Ball.	'83.	F. W. Sheldon.	C. Helmore.	R. W. Blake.	Dwight Cole.	W. C. Stebbins.	W. F. Cheek.
J. I. Bicknell.	A. C. Bird.	P. G. Towar.	A. B. Ide.	J. W. Begole.	C. B. Chapin.	C. S. Wardwell.	Harold W. Force.
W. H. Burgess.	C. P. Bush.	J. D. Towar.	C. L. Lawton.	S. K. Boyd.	F. P. Clark.	C. H. Watson.	W. J. Merkel.
C. W. Clark.	E. P. Clark.	T. O. Williams.	S. B. Monroe.	K. L. Butterfield.	E. W. Carson.	'96.	H. L. Mills.
F. L. Corbin.	D. C. Holliday.	D. B. Wade.	D. W. Roberts.	H. H. Doty.	J. B. Dimmick.	R. L. Clute.	F. W. Newman.
C. A. Dockstader.	E. A. Haven.	'86.	B. B. Smith.	H. H. Hopkins.	H. Goodenow.	J. Beauvais.	G. R. Snyder.
G. W. Grover.	E. F. Law.	G. M. Allen.	F. C. Wilkins.	H. A. Hunter.	J. S. Holden.	B. H. Davis.	E. B. Wallace.
W. E. Goull.	C. L. Major.	H. A. Brown.	G. B. Van Atta.	E. E. Gregory.	F. T. Hatch.	R. B. Buek.	L. E. Croe.
A. M. Groner.	A. C. Redding.	F. C. Davis.	'89.	V. S. Hillyer.	J. S. Mann.	A. C. Cole.	'99.
C. S. McGill.	L. A. Strong.	W. E. Gammon.	G. M. Axford.	W. S. Howland.	H. McArthur.	F. W. Herbert.	M. Agnew.
D. S. Lincoln.	E. C. Varnum.	J. E. Hammond.	O. E. Beach.	H. B. Lazell.	H. E. Norton.	L. J. Kellogg.	E. Bailey.
E. Northrop.	G. D. Willets.	J. J. Jackway.	W. H. Burns.	G. C. Monroe.	J. Perrin.	E. L. Kirby.	W. A. Bartholomew.
W. F. Pack.	'84.	H. N. Jenner.	C. D. Beecher.	A. Merchant.	E. C. Peters.	J. R. Petley.	S. Culbertson.
C. R. Turner.	R. H. Baker.	A. L. Nichols.	A. Carton.	C. A. Stimson.	E. T. Pennoyer.	D. T. Randall.	A. S. Eldridge.
A. B. Turner.	J. J. Bush.	W. R. Rummier.	W. P. Cooper.	F. B. Smith.	A. T. Stevens.	W. W. Taylor.	W. H. Flynn.
A. W. Troupe.	R. J. Coryell.	G. L. Spangler.	R. C. Clute.	C. A. Udell.	D. C. Sheldon.	W. R. Vanderhoef.	E. D. Gagnier.
S. Upton.	W. H. Draper.	E. T. Welch.	C. M. Hemphill.	G. A. Waterman.	J. C. Sesser.	G. W. Williams.	W. B. McCallum.
C. R. White.	W. H. Dohntany.	E. A. Whitney.	F. M. Kellogg.	'92.	J. A. Willson.	J. H. C. Goodban.	G. D. Miller.
J. Woodman.	F. J. Hodges.	'87.	A. Moore.	J. E. Brown.	A. U. Widman.	G. S. Mead.	R. W. Swift.
'82.	H. D. Luce.	J. J. Benjamin.	L. W. Rice.	E. S. Bullock.	A. E. Wilber.	F. H. Anthony.	P. W. Porter.
L. Avery.	F. H. Lyman.	E. A. Burnett.	W. E. Rohnert.	M. J. Foster.	'94.	E. D. Woolsey.	L. W. Clancey.
J. W. Beaumont.	W. B. Kirby.	G. Arnold.	F. J. Stahl.	L. C. Gibbs.	W. S. Ashton.	L. J. Lembach.	L. J. Bolt.
F. H. Corbin.	W. L. Gaw.	C. L. Crabbs.	J. W. Tournay.	C. P. Hulbert.	A. J. Beese.	'97.	C. H. Adams.
M. Case.	A. W. Page.	W. W. Diehl.	'90.	J. S. H. Holmes.	M. P. Carney.	F. E. Baker.	E. S. Good.
C. W. Crossman.	C. R. Schlappi.	C. H. Granger.	H. L. Burnell.	J. E. Hinkson.	M. M. Chaffee.	C. D. Butterfield.	T. H. Libbey.
				D. T. Jones.		H. A. Dibble.	A. Landon.



OLYMPIC SOCIETY.

Olympic Society



OFFICERS.

C. A. JEWELL,	.	.	.	President
W. R. GOODWIN,	.	.	.	Vice President
F. J. KLING,	.	.	.	Secretary
S. J. REDFERN,	.	.	.	Treasurer

MEMBERS.

CLASS '96.	H. H. Rhodes.
C. A. Jewell.	E. Shaw.
N. M. Morse.	'98.
F. M. Nichols.	W. H. Marsh.
'97.	F. J. Kling.
W. R. Goodwin.	J. C. Nichols.
H. W. Hart.	W. M. Backus.
I. L. Simmons.	A. M. Patriarche.
S. J. Redfern.	George Campbell.

'99.
F. V. Young.
E. A. Winegar.
E. R. Russell.
John Mayes.
I. W. Boyer.
C. J. Perry.
F. R. Crain.



History •

The Olympic Society was organized in October of 1885 in room No. 105, then occupied by A.

L. Marhoff, '87, who did more toward the primary steps of its organization than any other student. He, with F. L. Wigglesworth and Everhart of '86, O. C. Wheeler, '87, G. L. Teller, '88, and one or two others were the charter members and formed the nucleus from which the present Olympic Society has grown.

Until the organization of this society, there were but two open literary societies at this College. These were the Eclectic and the Union Literary societies. At this time, these two were filled to their constitutional limit, which at best accommodated but a small proportion of the students then in attendance at the College. It had been ten years since a society had been formed and it had now become apparent that another society was needed, as the remainder of the students were denied the privilege and training of a literary society. It was for this reason that the Olympic Society was organized; it was with the hope that more students might receive the benefit and training given by societies of this kind.

The early history of this society is a record of hard work and thought which the first members will not readily forget. They, like the others, started with comparatively nothing, but struggled along as best they could holding their meetings in class-rooms or in the rooms of students wherever they found it most convenient to meet. Their literary work was conducted along much the same lines as today but with fewer numbers. From time to time, more members were added to its roll until it became as strong and influential as its sister societies. These men did not work alone in their struggle for an existence, for, had it not been for the invaluable aid rendered by president Willits the Olympic Society would not be in existence to-day. He it was that christened the society and it was through his influence that the pleasant rooms were secured that they now occupy. This was in the spring of 1887, at which time O. C. Wheeler, '87, was chosen chairman of the building committee that was to finish the rooms located on the fourth floor of the south wing of Williams Hall. The work was completed in time for commencement of that year; the commencement program and banquet being the first meeting held in the new quarters.

The emblem of the society as will be seen in the accompanying cut is a Grecian lyre designed by Mr. Wheeler and adopted by the society in '86. The original as designed by him differed somewhat from that here represented. It consisted of a lyre with the reeds

omitted and the Parthenon resting upon the cross-bar and had O. S. engraved upon the upper cross-bar. It was also much smaller than the present one, with no base.

The union literary meetings that are held each summer term and the oratorical contests held each fall term were both originated in the Olympic Society. The first union meeting was held in the summer of '87 and was a decided success, as all subsequent meetings have been. The oratorical contests have been equally successful. In the first contest Mr. David Anderson of Olympic Society received first honors.

The general work of this society has been along literary lines, but in addition to the literary training, our aim has been, and is today, to train all members morally and socially as well. How well this work has been done and the success that has been attained are known by all who are acquainted with the College affairs of today. Some changes have been made in the appearance of the rooms from time to time, such as the arranging and furnishing a parlor, and a new hardwood floor recently laid, but it still remains with open door ready to welcome any old Olympian or any visitor who wishes to know more of the workings of our society.





UNION LITERARY SOCIETY BUILDING.

Union Literary Society



OFFICERS.

J. T. BERRY,	President
L. R. LOVE,	Vice President
F. V. WARREN,	Secretary
E. A. ROBINSON,	Treasurer

MEMBERS.

CLASS '96.

C. H. Briggs.
G. N. Eastman.
L. R. Love.
W. J. McGee.
C. E. Meyers.
E. D. Partridge.
S. W. Tracy.
S. B. Young.

'97.

L. S. Munson.
J. W. Rigterink.
E. A. Robinson.

G. A. Parker.
R. H. Stocoum.

'98.

E. A. Calkins.
C. A. Gower.
R. W. Landon.
M. H. Lapham.
W. R. Kedzie.
G. F. Richmond.
R. J. Robb.
F. W. Robison.
O. W. Slayton.

F. T. Williams.
F. L. Woodworth.
F. V. Warren.

'99.

W. B. Ball.
W. B. Nevins.
J. L. Sutherland.
S. F. Edwards.
C. Calkins.
A. E. Wallace.
C. Hoppough.
G. N. Gould.

HISTORY.

From an early date fraternities and class lyceums were in existence at M. A. C.; but these did not combine the elements necessary to meet the approval of those who desired both social and literary training. So, in the spring of '76, a few of the brightest non-fraternity men conceived and brought into existence the first permanent literary society at M. A. C. They named it the Union Literary Society and dedicated it to the improvement of its members, socially, intellectually and morally. How well they builded is shown by the magnificent structure which now bears the name they chose.

On the 8th of April, 1876, the Union Literary Society was organized, with W. C. Latta, '77, president; James Brassington, '76, vice-president; and W. K. Prudden, '78, secretary. At first the meetings were held in classroom A, College Hall, (now the English class-room) afterward in rooms granted the society by the Board, in the basement of Wells Hall.

Most of the early members were poor, and it was two years before they got together enough money to buy an organ, and not till '84 were the rooms well furnished. At that time the society purchased a new carpet, new furniture and a piano. Then they began really to enjoy themselves and feel at home.

In the fall of '89, the society's spirit of progress manifested itself in an effort to induce its alumni to erect a society building. A committee was appointed to correspond with the alumni during the winter, and the result

of their labor was so encouraging that in the spring active preparations were made for the erection of such a building. The work progressed rapidly, and, at the following commencement, the cosy brick home now occupied by the society, was dedicated. At first most of the furniture in the new building was from the old rooms, but, as they could afford it, the boys replaced this with new, until now they have an elegantly furnished home.

Three things, it seems to me, have been most potent in promoting the success of the U. L. S.:

The business meetings of the society have always been secret, thus promoting free and earnest discussion of all questions of policy and principle and friendly criticism of the conduct of members.

From the first, the utmost caution has been exercised in the selection of members. Good character and a disposition to work have ever been the first requisites to membership.

And, once a member, each student is taught that, excepting only the College itself, his undivided loyalty belongs to the Union Literary Society. He can not be at the same time a member of any other literary society or fraternity. In return for this loyalty, the society lends its help and support in every way possible; furnishes him a pleasant college home; and, best of all, surrounds him with a band of brothers who make his interests their interests—sustain him in misfortune, comfort him in sorrow, rejoice with him in prosperity.

ROLL

CLASS '76.	A. B. Swift.	F. F. Rogers.	J. B. Cotton.	W. F. Staley.	A. F. Gordon.	H. Buell.	J. T. Berry.
J. Brassington.	F. L. Hough.	M. St. John.	E. G. Eldridge.	G. F. Stow.	W. O. Hedrick.	J. C. Butler.	S. B. Young.
R. A. Clark.	H. M. Smith.	A. L. Bemis.	G. S. French.	W. A. Taylor.	A. H. Kneen.	R. S. Campbell.	'97.
W. B. Jakways.	'80.	F. W. Gamble.	G. E. Hancorne.	H. Thurtell.	A. R. Locke.	C. J. Foreman.	J. W. Rigtterink.
D. H. Kedzie.	I. T. Sayre.	O. W. Harris.	H. B. Howe.	W. H. Hannaford.	C. P. Locke.	E. A. Goodwin.	E. A. Robinson.
Z. Beverly.	'81.	'84.	C. H. Judson.	D. M. Myers.	E. P. Safford.	C. S. Goodwin.	L. S. Munson.
'77.	W. S. Delano.	W. D. Barry.	W. A. Kinnan.	W. L. Roberts.	A. C. Sly.	D. D. McArthur.	R. H. Stocoum.
C. I. Goodwin.	A. Jones.	C. P. Gillette.	G. W. Park.	J. A. Thompson.	W. A. Cannon.	C. Newman.	G. A. Parker.
W. C. Latta.	J. L. H. Knight.	O. L. Hershisier.	W. M. Badcock.	Herbert Thurtell.	C. L. Crandall.	J. D. Nies.	A. T. Jennings.
J. A. Poucher.	E. C. McKee.	J. D. Hill.	D. W. Bowser.	'89.	S. L. Otis.	J. E. Niswander.	E. A. Greening.
F. Barnett.	C. McKenney.	C. C. Lillie.	W. S. Launstein.	R. J. Cleland.	'92.	H. L. Pinney.	L. L. Edwards.
'78.	H. A. Price.	W. V. Sage.	E. T. McClear.	J. W. Earle.	L. C. Brooks.	W. B. Stutsman.	D. F. Pagelson.
H. F. Buskirk.	W. D. Gordon.	E. E. Vance.	W. A. Morse.	W. Lightbody.	L. Burnett.	T. Smith.	G. J. Rhodes.
T. P. Caulkins.	W. E. Merriam.	W. M. Adams.	F. S. Rogers.	E. G. Lodeman.	C. M. Conner.	H. W. Tracy.	H. C. Newman.
H. V. Clark.	C. A. Mills.	M. H. Hopkins.	H. D. Sexton.	T. F. McGrath.	G. A. Hawley.	G. C. Wallace.	'98.
H. E. Emmons.	S. F. Russell.	M. A. Jones.	'87.	F. J. Niswander.	C. H. Angell.	R. S. Woodworth.	H. L. Fairfield.
C. C. Georgeson.	A. L. Seeley.	A. M. Knapp.	H. L. Chapin.	J. W. O'Bannon.	M. S. Gregory.	'95.	C. C. Stocum.
E. Gregory.	J. A. Sherman.	B. B. Lower.	G. C. Crandall.	E. N. Pagelsen.	W. E. Hall.	R. S. C. Fisher.	F. V. Warren.
F. W. Hastings.	J. G. Sleeth.	S. M. McKee.	J. C. Duffey.	W. S. Palmer.	J. M. McVea.	W. Goodenough.	H. E. Loomis.
E. O. Ladd.	'82.	W. H. Preston.	W. C. Hall.	G. H. Foote.	S. E. R. Meserve.	H. Hodgeman.	Wm. Greener.
W. K. Prudden.	A. J. Chappell.	W. F. Ross.	G. J. Hume.	D. C. Gillette.	C. Nichols.	I. R. Jones.	F. T. Williams.
F. E. Skeels.	T. F. Delano.	L. B. Walton.	H. W. McArdle.	E. G. Graham.	J. A. White.	G. Masselink.	F. W. Robison.
J. Troop.	T. F. Millspaugh.	'85.	E. W. Redman.	G. T. Gridley.	'93.	T. L. O'Brien.	F. L. Woodworth.
E. D. A. True.	E. D. Millis.	R. M. Bates.	W. C. Sanson.	W. Needham.	L. J. Briggs.	E. A. Robinson.	W. R. Kedzie.
J. D. Brown.	J. L. McClear.	J. H. Brown.	C. B. Waldron.	'90.	D. J. Crosby.	C. H. Robison.	R. W. Landon.
M. A. Gates.	C. B. Plummer.	J. D. Campbell.	J. H. Brown.	W. Babcock.	W. L. Cumings.	G. A. Sager.	J. Severance.
A. L. Kerr.	J. M. Smith.	G. C. Lawrence.	J. T. Crabbs.	C. E. Ferris.	E. B. Hale.	D. G. Smith.	M. H. Lapham.
'79.	F. M. Andress.	J. W. Mathews.	G. E. Drew.	H. J. Hall.	U. P. Hedrick.	G. H. Swift.	O. W. Slayton.
C. P. Cronk.	J. J. Bohn.	G. Morris.	J. B. Jenne.	W. J. Meyers.	W. A. Maxfield.	C. Tallman.	G. F. Richmond.
A. A. Crozier.	G. H. Kyle.	L. G. Palmer.	G. L. Smith.	W. Petrie.	E. M. McElroy.	'96.	R. J. Robb.
T. E. Dryden.	G. E. Lawson.	T. L. Parker.	E. St. John.	E. J. Rowley.	O. H. Pagelsen.	C. H. Briggs.	E. A. Calkins.
R. Sessions.	C. S. Park.	H. M. Wells.	N. S. Tuttle.	O. A. Turner.	H. F. Palmer.	O. J. Cornell.	C. A. Gower.
J. Q. Thomas.	F. E. Smith.	F. M. Woodmansee.	A. M. Woodmansee.	C. E. Burns.	W. W. Parker.	G. N. Eastman.	'99.
H. Wilcox.	'83.	E. Graham.	'88.	J. F. Clemons.	R. B. Pickett.	F. J. Fairweather.	W. B. Ball.
C. S. Armstrong.	W. H. Bahlke.	W. B. Northrop.	L. A. Bregger.	J. W. Campbell.	F. J. Porter.	E. E. Gallup.	W. B. Nevins.
C. F. Barnard.	C. H. Eldridge.	F. B. Otis.	H. B. Cannon.	C. E. Pray.	E. N. Thayer.	J. L. Horne.	J. L. Sutherland.
A. B. Cortwright.	A. M. Emery.	F. C. Paine.	L. H. Dewey.	E. Prickeitt.	W. W. Tracy.	M. Larabee.	S. F. Edwards.
N. P. Graham.	O. C. Howe.	G. S. Rutherford.	F. J. Free.	F. S. Robinson.	A. K. Meyers.	L. Love.	C. Calkins.
J. W. Gray.	C. F. Lindsley.	F. M. Standish.	F. H. Hall.	H. M. Williams.	A. M. Meyers.	W. J. McGee.	A. E. Wallace.
O. S. Hartson.	A. W. Mather.	R. C. Williams.	F. H. Hillman.	'91.	F. B. Moore.	E. D. Partridge.	C. Hoppough.
J. T. Latta.	J. T. Mathews.	'86.	C. H. Redman.	Susie A. Hillman.	H. D. Waldron.	S. W. Tracy.	G. N. Gould.
P. P. Scott.	H. C. Nixon.	J. W. Clemons.	D. A. Smith.	G. A. Goodenough.	'94.	C. E. Meyers.	
		W. H. Clemons.					



COLUMBIAN LITERARY SOCIETY.

Columbian Literary Society

OFFICERS.

F. N. JAQUES,	President
E. H. SEDGWICK,	Vice President
T. A. CHITTENDEN,	Secretary
R. E. MORROW,	Treasurer

MEMBERS.

CLASS '96.	S. H. Fulton.	Chas. Townsend.
O. P. West.	E. H. Sedgwick.	H. A. Williams.
F. N. Jaques.	'98.	'99.
J. H. Steele.	H. B. Gunnison.	C. F. Austen.
F. H. Stoffer.	T. L. Hankinson.	E. M. Hunt.
'97.	R. E. Morrow.	W. E. Locklin.
T. A. Chittenden.	E. B. Thomson.	A. J. Weeks.

HISTORY.

Our youngest society, the Columbian Literary Society, was organized but four years ago, in March, 1892. Though young, it is already recognized as one of the successful societies of M. A. C.

Tracing back its history prior to the adoption of the constitution, its true beginning dates back to the fall of 1890. A large number of the class of '94 did not join any society. As was quite natural, on Saturday nights while the others attended their society meetings, these boys met to tell stories in various places about the grounds. Finally, under the leadership of Mr. M. W. Fulton, they decided to form a new society.

Immediately the young society was confronted by several difficulties. In the first place they had no rooms. After meeting in the English class room for a year, this was overcome by a grant of the State Board giving them their present rooms. As they had no furniture, it took considerable hard work to furnish them, but through persistent efforts of the members, they soon had a most pleasant home. The third great difficulty lay in the choice of a name. After much discussion, the society was called "Philomathian," but this was soon dropped for a better name—Columbian. This was considered very appropriate as the society was organized in 1892.

Since the society has obtained recognition as a literary society, it has made great progress both in the literary and in the social way. Last year they were admitted into the Oratorical Association, and on their first appearance in these contests, gained the second prize. This both encouraged them and helped put them on an equal footing with the other societies.

A sad event that will long be remembered, occurred on June 7, 1893. On that date, Mr. F. J. Bone, one of the most promising members, met his death by drowning in the Red Cedar. All who knew him recall this accident with sincere regret.

The membership of this society has been comparatively small, averaging about twenty members. The charter members are: M. J. Cummings, J. B. Dodge, Gideon Ellis, M. W. Fulton, O. S. Groner, E. J. Heck, H. R. Parish, F. B. Phillips, E. R. Pierce, P. V. Ross, M. W. Stutz, L. H. Van Wormer, J. G. Veldhuis and O. P. West. Of these members, two are still with the society, three have resigned and four have graduated. To these fifteen students all credit is due, both for the organization of the society and for bringing it up to its present plane of literary and social achievements.

• • ROLL. • •

CLASS '93.

G. Ellis.

'94.

E. C. Crawford.

W. J. Cummings.

O. S. Groner.

F. B. Phillips.

E. R. Pierce.

C. H. Spring.

M. W. Stutz.

'95.

J. B. Dodge.

M. W. Fulton.

F. Johnson.

J. A. Lee.

H. R. Parish.

J. G. Veldhuis.

'96.

W. J. Garbe.

W. J. Graham.

F. N. Jaques.

J. H. Steele.

F. B. Stoffer.

O. P. West.

Z. Veldhuis.

'97.

S. L. Chapman.

T. A. Chittenden.

S. H. Fulton.

S. Hori.

Y. H. Kato.

H. C. Matheson.

A. H. Metzilaar.

D. H. Quick.

E. H. Sedgwick.

A. H. Sissakian.

G. H. Van Peit.

S. J. Walker.

R. J. Wilson.

Tau Beta Pi Association

Alpha Chapter of Michigan

• Autumn of 1892 •



Colors—Brown and White.

Quarters—Tower of Mechanical Building.



MEMBERS IN FACULTY.

HONORARY.

H. K. Vedder, Cornell.
C. L. Weil, Mass. Inst. Tech.
P. M. Chamberlain, M. A. C.
A. L. Wescott, Purdue University.

ACTIVE.

W. S. Holdsworth.
P. B. Woodworth.
W. Babcock, Jr.
V. V. Newell.
C. C. Pashby.

OFFICERS.

E. D. PARTRIDGE. . . . President
V. V. NEWELL, . . . Vice President
J. H. STEELE, . . . Recording Secretary
C. C. PASHBY, . . . Corresponding Secretary
V. V. NEWELL, . . . Treasurer

STUDENTS.

CLASS '96.

E. D. Partridge.
J. H. Steele.
H. E. Smith.

'97.

G. A. Parker.
E. H. Sedgwick.

HISTORY.



The objects of this society are best expressed in the language of the preamble to its constitution: "To mark in a fitting manner those who have conferred honor upon their Alma Mater by a high degree of scholarship as under-graduates, or by their subsequent attainments as alumni, and to foster a spirit of liberal culture in the technical and scientific schools of the United States."

The last quarter of a century has seen the foundation and growth of a large number of purely-technical or scientific schools in this country, and with this growth the need of a society of this nature became apparent. Although the old and well known honorary fraternity Phi Beta Kappa became liberal in some of its chapters to the point of extending its privileges of membership to technical men, the traditions of the society were all averse to extending recognition to merit found outside the study of the "Humanities."

The organization of Tau Beta Pi was perfected in Lehigh University in 1885 by the eligible men in the out-going class of that year after wide correspondence with high standing alumni of that institution. From the first this association profited by the experience of its literary counterpart and restricted the rights of membership to the first fourth only in scholarship at the end of the under-classmen years. While a grade of seventy-five per cent at least is necessary, high standing alone will

not insure the student a place on the society's roll. The candidate must possess that "good fellowship" and be free from all penalties for dishonesty in class work. It is a pleasure, however, to announce that these privileges reserved to itself by the association are rarely used. Tradition is rather against the use of the first and men who maintain a high grade of scholarship are rarely deserving of reprimand.

The local chapter chooses its candidates from the report of a committee appointed to examine the records of the College ; so that, though some alumnus is usually on the committee, the choice is removed entirely from the influence of the faculty. Students have been requested to be certain that their records were correct in every particular in a few instances, where the contest was to be sharp, and the elections have uniformly met the approval of the student body.

The average student desires some permanent record of the excellency of his college work. This is not given by the diploma for that instrument reduces the valedictorian to the level with the dullest shirk of the class. Hence it is not to be wondered at that many who wear the "Beut" of Tau Beta Pi and bear the certificate of membership in the association prize these insignia more highly than they do their diplomas.

* * ROLL. * *

'78.
William S. Holdsworth, 1878; M. S. 1890. Assistant Professor of Drawing at M. A. C., 1890.

'86.
Phillip B. Woodworth; M. E. Cornell, 1890. Instructor in Physics at M. A. C., 1837-90. Assistant Professor of Physics at M. A. C., 1890.

'88.
Paul Mellen Chamberlain; M. E. Cornell, 1890. With Hercules Iron Works, Aurora, Ill., 1890-93. Assistant Professor Mechanical Engineering at M. A. C., 1893.

'89.
William Humphry VanDervoort; M. E. Cornell, 1893. Foreman Iron Shops at M. A. C., 1889-91. Assistant Professor Mechanical Engineering at M. A. C., 1891-93. Assistant Professor Mechanical Engineering, University of Illinois, 1893.

'90.
Warren Babcock, Jr., Instructor in Mathematics at M. A. C., 1891-93. Assistant Professor Mathematics at M. A. C., 1893.

'91.
George Alfred Goodenough. Instructor in Mechanics at M. A. C., 1891-93. Professor Mechanics in Scranton School of Mechanics, Scranton, Penn., 1893. Instructor in Mechanics, University of Illinois, 1895. Address, 511 John St., Champaign, Ill.

Louis C. Brooks. Postgraduate, M. A. C. Teacher, Stronach, Mich.

Walter Davis Groesbeck. Foreman in Iron Shops at M. A. C., 1891-94. Third Assistant Examiner, Patent Office, Washington, D. C. '93.

Alton Cyrel Burnham. Instructor in Mechanical Engineering in South Dakota Agricultural College, 1893. Post Graduate at University of Michigan, 1894. Instructor in Mechanical Engineering at University of Illinois, 1894.

Adelbert Dryer, with 1893. Lansing, Mich.

Bernard A. Stowe, with 1893. With Buss Machine Co., Benton Harbor, Mich., 1893-95. With Buckeye Incandescent Light Lamp Co., Cleveland, O.

Lyman J. Briggs, M. S., University of Michigan, 1895. Student at Johns Hopkins University, 1895. Physicist in U. S. Dept. Agriculture.

'94.
Edwin Ralph Pierce. With '94. Detroit, Mich.
Geo. Edward Simmons, with Sterling Refining Co., 1894-95. With Ft. Wayne Electric Corporation, Ft. Wayne, Ind., 1895-96. With Ill. Cen. R. R. Co.

Cyrus Clark Pashby. Instructor in Mathematics, M. A. C., 1894. Member Michigan Engineering Society.

John D. Nies, Holland, Mich.

Vinton V. Newell. Foreman Machine Shops at M. A. C., 1894. Member Michigan Engineering Society.

Leo. B. Plummer. Teacher, Burnips Corners, Mich.

'95.
Henry F. Lake, Jr., with Central Business College, Denver, Col.

Robert L. Reynolds, with Lowe Electrical Co., Pasadena, Cal.

Harry R. Parish. Third Engineer on the Rapahannock, 1895.

'96.
Ernest De Alton Partridge. Student, M. A. C.
Dwight T. Randall. Student, University of Illinois.

Joseph H. Steele. Student, M. A. C.
Moses W. Stuts, with 1896. Flat Rock, Mich.

'97.
Harry Edmund Smith. Student, M. A. C.
E. H. Sedgewick. Student, M. A. C.
G. A. Parker. Student, M. A. C.

HONORARY.

Professor H. K. Vedder, Department Mathematics, M. A. C.

Professor C. L. Weil, Mechanical Department, M. A. C.

Phi Delta Theta

Founded at
Brown University 1826

CHAPTER ROLL

Alpha Chapter
Beta Chapter
Gamma Chapter
Delta Chapter
Epsilon Chapter
Zeta Chapter
Eta Chapter
Theta Chapter
Iota Chapter
Kappa Chapter
Lambda Chapter
Mu Chapter
Nu Chapter
Xi Chapter
Omicron Chapter
Pi Chapter
Rho Chapter
Sigma Chapter
Tau Chapter
Upsilon Chapter
Phi Chapter
Chi Chapter
Psi Chapter
Omega Chapter



Copyright 1914

Phi Delta Theta.

Founded at . .

 Miami University, 1848.



CHAPTER ROLL.

ALPHA PROVINCE.

Colby University.
Dartmouth College.
University of Vermont.
Williams College.
Amherst College.
Brown University.
Cornell University.
Union University.
Columbia University.
Syracuse University.
Lafayette College.
Gettysburg College.
Washington and Jefferson College.
Allegheny College.
Dickinson College.
University of Pennsylvania.
Lehigh University.

BETA PROVINCE.

Roanoke College.
University of Virginia.
Randolph-Macon College.
Washington and Lee University.
University of North Carolina.
Center College.
Central University.
University of Georgia.
Emory College.
Mercer University.
Vanderbilt University.
University of the South.
University of Alabama.
Alabama Polytechnic Institute.
Southern University.
University of Mississippi.
Tulane University of Louisiana.
University of Texas.
Southwestern University.

EPSILON PROVINCE.

Miami University.
Ohio Wesleyan University.
Ohio University.
University of Wooster.
Buchtel College.
Ohio State University.

Indiana University.
Wabash College.
Butler University.
Franklin College.
Hanover College.
DePauw University.
Purdue University.
University of Michigan.
State Agricultural College of Michigan.
Hillsdale College.

ZETA PROVINCE.

Northwestern University.
Knox College.
Illinois Wesleyan University.
Lombard University.
University of Illinois.
University of Wisconsin.
University of Missouri.
Westminster College.
Washington University.
Iowa Wesleyan University.
State University of Iowa.
University of Minnesota.
University of Kansas.
University of Nebraska.
University of California.
Leland Stanford, Jr. University.

Michigan Beta Chapter.



Yell—Rah, Rah, Rah!
Phi-Kei-a,
Phi Delta Theta,
Rah, Rah, Rah!



OFFICERS.

C. K. CHAPIN,	President
J. F. MICHAN,	Secretary
H. A. HAGADORN,	Treasurer
W. G. AMOS,	Warden
B. A. BOWDITCH,	Reporter

MEMBERS.

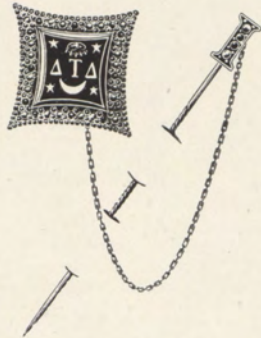
CLASS '96.	C. K. Chapin.
B. A. Bowditch.	'99.
'97.	J. F. Michan.
C. F. Herrmann.	R. W. Clark.
H. A. Hagadorn.	F. H. Smith.
W. G. Amos.	

• ROLL. •

MEMBERS IN FACULTY.	M. W. Gray.	W. H. Goss.	F. O. Shattuck.	C. M. Underhill.	'94.
W. J. Beal.	S. A. Silly.	W. E. Hale.	D. J. Stryker.	'90.	H. D. Baker.
F. S. Kedzie.	A. B. Simonson.	J. M. Hollingsworth.	W. D. Watkins.	H. E. Bunce, Jr.	E. B. Huges.
P. B. Woodworth.	'78.	J. H. Irish.	'86.	W. H. Culver.	M. F. Loomis.
ALUMNI.	F. I. Dunn.	H. S. Osborn.	J. B. Cotton.	J. H. Freeman.	J. C. Patrick.
CLASS OF '70.	E. S. Dyckman.	W. B. Osborn.	A. C. Himebaugh.	H. F. Hall.	J. W. Rittinger.
O. W. Garfield.	O. R. Root.	H. I. Penoyer.	N. H. Parker.	W. R. Hawkins.	'95.
'71.	R. H. Gulley.	'83.	T. A. Stanley.	J. R. McColl.	W. C. Bagley.
R. F. Kedzie.	R. T. McNaughton.	O. S. Bristol.	'87.	J. H. F. Mullett.	J. H. Kimball.
'74.	H. H. Mills.	W. H. Bristol.	I. B. Bates.	F. B. Plimpton.	R. G. Root.
H. S. Hume.	H. E. Owen.	J. E. Eddy.	C. L. Himebaugh.	C. F. Rittinger.	C. H. Alvord.
T. F. Rogers.	J. S. Pardee.	E. D. Hutton.	C. H. Smith.	N. E. Snyder.	'96.
'75.	R. D. Sessions.	N. S. Kedzie.	'88.	F. B. Stockwell.	B. A. Bowditch.
F. J. Annis.	C. F. Shilling.	W. H. Sheldon.	H. W. Carr.	Paul Woodworth.	W. H. Rider.
A. A. Crane.	J. D. Williams.	'84.	H. R. Case.	'91.	N. C. Johnson.
E. Fuller.	'79.	C. Atchinson.	H. B. Cordley.	C. F. Baker.	'97.
O. Fuller.	C. B. Charles.	C. Baker.	H. J. DeGarmo.	N. Enders.	C. F. Herrmann.
D. F. Griswold.	B. H. Dyckman.	R. R. Briggs.	C. Hubble.	V. H. Lowe.	C. K. Chapin.
C. W. Sheldon.	O. P. Gulley.	C. S. English.	N. S. Mayo.	R. H. Stanley.	L. R. Bean.
C. A. Sturges.	E. J. Ranchfuss.	D. J. Gillam.	W. M. Mumson.	C. F. Neidmann.	H. A. Hagadorn.
'76.	'80.	C. E. Kelley.	F. F. Nixon.	'92.	W. G. Amos.
R. E. Caine.	W. F. Durand.	B. C. Porter.	D. P. Yerkes.	L. B. Allison.	O. Gorenflo.
I. B. Gage.	C. S. Hitchcock.	C. E. Smith.	'89.	C. W. Deye.	'98.
S. B. Long.	'81.	N. C. Stryker.	R. S. Baker.	E. H. Mead.	C. Wardwell.
G. M. Morse.	G. J. Dunn.	W. Thum.	B. K. Canfield.	D. Park.	O. R. Cole.
W. J. Sloss.	H. M. Holmes.	G. P. Antisdale.	Yeigi Ekeda.	G. A. Peabody.	A. N. Spear.
J. E. Taylor.	W. R. Hubbert.	E. S. Antisdale.	C. M. Hemphill.	'93.	E. T. Nunneley.
'77.	A. Sherwood.	W. Brumfield.	H. A. Kuevels.	B. F. Bain.	'99.
C. Bloodgood.	W. G. Simonson.	E. T. Gardner.	L. C. McLouth.	L. H. Baker.	R. W. Clark.
	W. L. Simpson.	O. H. Hoyt.	W. L. Morrison.	P. A. Barlow.	F. H. Smith.
	L. H. Bailey.	E. R. Lade.	H. W. Quinby.	R. C. Bristol.	J. F. Michan.
	E. W. Crafts.	W. A. Potter.	O. J. Root.	C. W. Leipprandt.	

Delta Tau Delta.

• • Chapter Iota.



CLASS '98.
F. B. Ainger.
Alex. Krentel.

MEMBERS.

'99.

A. B. Clark.
Wilbur Judson.
R. W. E. Millis.
C. P. Wykes.

OFFICERS.

ALEX. KRENTEL, . . . President
F. B. AINGER, . . . Sec'y and Treas.
R. W. E. MILLIS, . . . Alumni Sec'y

HISTORY.



Before 1872, there was but one chapter of the Delta Tau Delta fraternity in Michigan, that being situated at Hillsdale. At that time G. W. Smith of that college, and Chas. L. Ingersoll of M. A. C. took steps toward establishing a chapter at our College, and on the third of May of the same year, Chapter Iota was organized with the following charter members: R. A. Carpenter, Chas. Goodwin, F. A. Gulley, F. A. Haigh, C. L. Ingersoll, L. T. Ingersoll, G. A. Young and R. M. Young.

Mr. Gulley was elected first president, and the first meetings were held in his room, but because of spies and meddlers among the "barbarians," they were compelled to shift their place of meeting from place to place. Finally they petitioned the faculty for a place to meet, and knowing the opposition to fraternities at that time, it was worded as follows: "We, the undersigned members of the different classes of this College, having organized a 'private literary society,' respectfully petition the faculty that they allow us the privilege of meeting in the Practical Agriculture rooms on Saturday evenings." The petition was granted and the meetings were held in peace in this or some other class-room until 1877, when the State Board granted them their present rooms.

General literary work was introduced shortly after the fraternity was organized, and the year '73 was spent

with hard, solid literary work, and but little social enjoyment. Each member was required to produce an exercise every week. The program usually consisted of a salutatory, a valedictory, essays, readings, debates and declamations. They made such progress in this line of work, that within a year, the Delts were openly avowing the aims of their fraternity.

The first and only serious trouble among the members themselves occurred in '74, when the class of that year organized a debating club. Some ill feeling was aroused over this, in consequence of which four members withdrew from the fraternity. Then followed a period of internal strife which ended the next year, the opposition of the Michigan Beta of the Phi Delta Theta compelling the members to unite for the preservation of "Old Delta."

Since that time, the history has been one of undisturbed prosperity. The most important event since was the edition of the *Iota Chronicle*, a paper issued once each term. This paper had two objects: to keep the alumni in touch with each other, and to acquaint them with our undertakings and successes. Other than this, *Iota* has been maintaining "the even tenor of her way," making no great outburst, but rather exemplifying the principle—"still waters run deep."

✧ ✧ ROLL. ✧ ✧

CLASS '62.	H. S. Hampton.	M. W. Jones.	E. C. Bank.	'89.	'94.
A. J. Cook.	S. C. Hedger.	F. A. Gully.	L. Bonham.	L. C. Bartmess.	J. W. Perrigo.
'72.	J. A. Horton.	W. W. Remington.	F. Herrington.	F. G. Hubbard.	R. A. Bentley.
C. G. Miller.	G. L. Stannard.	C. F. Davis.	M. M. Marble.	W. D. McDonald.	A. W. Chase.
A. C. Williamson.	J. D. Stannard.	W. L. Thomas.	M. Tsuda.	J. H. Wheeler.	F. H. Gillis.
'73.	'77.	'81.	L. M. Wooden.	C. J. Priest.	A. L. Pattison.
E. A. Baker.	E. A. Alvord.	F. P. Arthur.	'85.	G. J. Jenks.	G. E. Mitchell.
C. W. Ball.	L. H. Cady.	V. E. Bailey.	E. A. Bartmess.	F. M. Seibert.	F. R. Poss.
R. C. Carpenter.	A. Dodge.	H. Bamber.	C. B. Collingwood.	W. L. Rossman.	G. W. Rose.
J. P. Finley.	W. O. Fritz.	T. W. Conway.	J. A. Dart.	G. L. Flower.	F. L. Reynolds.
B. T. Halstead.	E. H. Hunt.	C. W. McCurdy.	C. R. Dewey.	D. A. Garfield.	H. M. J. Mulheron.
G. E. Kedzie.	R. W. Keith.	B. S. Palmer.	W. S. McClintock.	W. H. Vandervort.	'95.
G. C. Nevins.	E. J. McAlpine.	W. W. Palmer.	A. T. Miller.	G. L. Chase.	F. W. Hutchings.
W. A. Rowe.	H. M. Moorman.	A. M. Robison.	T. F. Nelson.	'90.	W. F. Bernart.
'74.	A. B. Peebles.	S. B. Share.	J. R. Newton.	J. P. Lockwood.	'96.
C. L. Bemis.	J. A. Porter.	A. E. Smith.	W. I. Power.	F. G. Clark.	H. L. Chamberlain.
H. A. Haigh.	'78.	A. H. Voigt.	T. H. Rees.	M. C. Smith.	O. H. Reed.
C. L. Ingersoll.	G. E. Breck.	'82.	F. Storrs.	B. K. Bentley.	E. M. Kanter.
L. F. Ingersoll.	E. Davenport.	E. N. Ball.	H. E. Thomas.	T. R. McClure.	'97.
G. A. Young.	C. E. Harrington.	J. E. Coulter.	'86.	'91.	B. H. Halstead.
R. M. Young.	W. S. Holdsworth.	F. E. Crafts.	A. E. Brown.	F. J. Flower.	H. H. Bridge.
'75.	E. J. Rawson.	L. W. Hoyt.	C. B. Hays.	J. L. Potter.	A. B. Robertson.
O. E. Angstman.	A. A. Robinson.	A. W. Jones.	C. B. Long.	F. J. Northway.	F. S. Hobart.
J. T. Brown.	F. E. Robson.	P. P. Nelson.	G. Osborn.	A. J. Morley.	F. H. Yapple.
W. L. Carpenter.	W. M. Royce.	C. H. Osband.	L. A. Ross.	LaF. G. Barber.	DeW. Gage.
C. Goodwin.	C. J. Strang.	J. R. Shelton.	'87.	C. DeW. Colby.	J. F. Coats.
J. S. Gray.	S. S. Trowbridge.	F. C. Snyder.	J. L. Dawson.	W. D. Groesbeck.	'98.
C. L. Ingalls.	H. W. Wixson.	W. L. Snyder.	T. A. Saylor.	'92.	S. Crawford, Jr.
W. L. Kelly.	'79.	J. B. Ware.	R. W. McCulloch.	E. M. Devendorf.	E. A. Baker.
B. A. Nevins.	J. D. Carpenter.	'83.	'88.	F. Bauerle.	J. M. Barnay.
C. H. Parker.	L. G. Carpenter.	H. W. Baird.	W. L. Learned.	H. M. Rich.	F. B. Ainger.
G. A. Royce.	C. T. Gage.	A. M. Bamber.	P. M. Chamberlain.	W. G. C. Merritt.	A. N. Irwin.
W. H. Smith.	Jay Mead.	J. I. Breck.	D. K. Davison.	'93.	A. C. Krentel.
R. G. Baird.	R. B. Norton.	L. A. Buell.	H. W. B. Taylor.	C. E. Hale.	'99.
'76.	E. D. Parshall.	H. W. Collingwood.	W. J. Hinkson.	C. H. Alexander.	W. Gossip.
W. W. Bemis.	M. A. Porter.	T. H. Hough.	F. B. Ambler.	W. F. Hopkins.	R. W. E. Mills.
E. D. Brooks.	M. S. Thomas.	W. F. Hoyt.	A. E. Bulson.	L. C. Slayton.	A. B. Clark.
F. H. Brown.	'80.	'84.	G. M. Van Atta.	W. F. Lyon.	C. P. Wykes.
W. Caldwell.	C. T. Crandall.	J. R. Abbott.	G. D. Perrigo.	R. M. Kedzie.	W. Judson.



The wisdom of humanity,
From atoms to infinity,
And jokes that long ago were dull,
Are wrapt within his ponderous skull.



SENIOR LITERARY OFFICERS.

Class of '96.

Colors—Blue and Gold.

Class Yell, 1892—

Rom-a-tilla, Boom-a-la, Fa, Fa!
Ninety-six, Ninety-six,
'Rah! 'Rah! 'Rah!

Class Yell, June 17, 1893—

Rockety Rix, Rockety Rix!
We are the Class of Ninety-six!



OFFICERS.

GEORGE WILLIAMS,	President
F. N. JAKES,	Vice President
J. E. W. TRACY,	Secretary
W. F. BARNUM,	Treasurer
C. A. JEWELL,	Orator
L. P. FIMPLE,	Historian
R. B. BUEK,	Prophet
L. D. SEES,	Poet
N. M. MORSE,	Editor of College Paper
R. L. CLUTE,	Toastmaster
R. E. DOOLITTLE,	Address

MEMBERS.

W. T. Barnum.	R. E. Doolittle.	L. R. Love.	Vadium Sobennikoff.
J. T. Berry.	G. N. Eastman.	W. J. McGee.	J. H. Steele.
B. A. Bowditch.	L. P. Fimple.	C. E. Meyers.	J. E. W. Tracy.
C. H. Briggs.	A. F. Hughes.	N. M. Morse.	S. W. Tracy.
J. H. Briley.	L. J. Hughes.	E. D. Partridge.	Bertha M. Wellman.
R. B. Buek.	F. N. Jaques.	L. D. Sees.	O. P. West.
R. L. Clute.	C. A. Jewell.	H. E. Smith.	G. W. Williams.
			S. B. Young.

HISTORY.

We were surrounded, in our early history, by more or less trying circumstances and conditions. The Sophomores were naturally put on their metal on noting the goodly numbers of our class, for we formerly numbered over one hundred men, although scarcely one-fourth of that number yet remain. They saw by our numbers and fine physique that their sovereignty was jeopardized; their self-asserted rights menaced. And so they resolved at once to assume the offensive. Of course it is unnecessary to say that in the class fray of the summer of '93, we triumphed, carrying everything before us. As to the next battle fought in the summer of '94, we hesitate to chronicle the result. For alas, the hose was cut and both sides became sadder and wiser.

But out of all these conflicts we have come forth as you know us to-day, honored and admired. You ask me how honored—and I answer because our class marks the close of an epoch in the history of our college, and the beginning of a new regime; for which, may the fates pardon us if we are over-reaching, we take to ourselves a goodly share of credit. Were we not the great movers in inaugurating this new era of summer vacation and co-education. And why should we not receive all honor if this were the single notable deed of our college existence. Have we not labored for this, nay, threatened to terminate our connection with the College, unless the powers that be made stronger efforts to bring about the millennium. But for all our self-sacrifice, real and imag-

ined, we in our time are destined to reap no reward, thus being like patriots who work great reforms in all times and countries. But more than this, have we not inherent strength of a superior type in the realm of mind. Think of our Websters, Clays and Pasteurs as yet unheralded, but who, in their past college work have here and there thrown out sparks indicative of the latent fire of genius burning deep in their souls. No less in physical, than in the mental power does our history indicate our strength. We have recorded success time and again on the class trophy adorning our library.

Our work as a class is fast drawing to a close. The ties of association that have bound us to each other and to our Alma Mater will soon be broken. We have reached the prize of our college course, and will soon step forth into the busy thoroughfares of life.

Our college days must stand as recorded. Some may look back on them with pleasure, some with sorrow. To the former, the sincere wish of the Historian is that their future may be as happy and prosperous as their past, and to the latter we would say, "opportunity lies before you." It is in your power to crown effort with success, and by resolute will and purpose in life make opportunity bow in submission. The grand possibilities of life are within our reach and we owe it to ourselves, humanity and our God that we make the most of them.

HISTORIAN, '96.



CLASS OF '96.

Senior Banquet.

Motto: "If thou has't never been a fool, be sure thou wilt never be a wise man."

Guest Master, R. L. Clute, Eclectic Society.

Incidents of College Life,

J. H. BRILEY, Hesperian Society.

"Happy the man, and happy he alone,
He who can call to-day his own:
He who, secure within, can say,
To-morrow, do thy worst, for I have lived to-day."

Athletics,

F. N. JAQUES, Columbian Society.

"Swift men of foot, whose broad-set
backs their trailing hair did hide."

The Value of Organization,

C. A. JEWELL, Olympic Society.

"There is nothing so sweet as the
softness and gentleness of power."

Moulded Clay,

H. E. SMITH, Tau Beta Pi.

"Sir, he made a chimney in my father's house, and
the bricks are alive this day to testify it."

The Ladies,

B. A. BOWDITCH, Phi Delta Theta.

"Ladies like variegated tulips, show
'Tis to their changes half their charms we owe."

Response,

MISS BERTHA WELLMAN, Feronian Society.

"Tho' modest, on his unembarrassed brow
Nature has written—Gentleman."

The College Student of To-morrow,

R. B. BUEK, Eclectic Society.

"To-day is ours; why do we fear?
To-day is ours; we have it here:
Let's banish bus'ness, banish sorrow:
To the Gods belongs to-morrow."

• Class Song. •



The Junior.



Oh, Ninety-seven, may there be
A long and prosperous life to thee!
No cowardly deeds disgrace thy name.
Thou art a child well known to fame,
Thy virtue none surpass.

No class in college is thy peer.
Thy praise to us is ever dear,
And long years hence, though scattered wide,
Our memories will recall with pride,
Thy name, Oh, noble class!





CLASS OF '97.

Class of '97.

Class Colors.

Heliotrope and Yellow.

Class Yell.

'Rah, 'Rah, 'Ree! 'Rah, 'Rah, 'Ree!

Ninety-seven, Ninety-seven, M. A. C.!

OFFICERS.

S. J. REDFERN,	President
E. H. SEDGWICK,	Vice President
SADIE D. CHAMPION,	Secretary
C. D. BUTTERFIELD,	Treasurer
ELWOOD SHAW,	Sergeant-at-Arms

MEMBERS.

Walter G. Amos.
Clinton D. Butterfield.
Sadie M. Champion.
Cornelius K. Chapin.
Thomas A. Chittenden.
Henry A. Dibble.
James A. Elliott.
Sanford H. Fulton.
John N. Goodrich.
Wm. R. Goodwin.
E. C. Green.

Herbert A. Hagadorn.
Herbert W. Hart.
Chas. F. Herrmann.
Frederick W. Kramer.
Cass B. Laitner.
Fred N. Lowry.
David McElroy.
J. DeWitt McLouth.
Lewis S. Munson.
George A. Parker.
Scott J. Redfern.

C. J. Rhodes.
John W. Rigerink.
Ernest A. Robinson.
E. Dwight Sanderson.
Earl H. Sedgwick.
Elwood Shaw.
Rollin H. Stocoum.
Irving L. Simmons.
Herbert E. VanNorman.

HISTORY.

The children of future generations will look upon the year 1893 as marking great historical events. Two coincident events of noteworthy importance occurred at that time. The one was the World's Columbian Exposition, the other, the arrival of the class of '97 at the M. A. C. When the members of the classes of '94, '95 and '96 returned from their encampment at the fair, they were greeted by the "new men" who were to prove their rivals in class honors.

Our class numbered ninety-seven in the fall term. Some left during the term. In the beginning of the spring term we missed the smiling faces of a number of our classmates, but in their place we enlisted thirty-six new men.

From the beginning ours were the ways of peace and we tried to introduce, by example, needed reforms. It was the general sentiment to refrain from hazing the coming Freshman, and when they did arrive the "Dance, Sing, or Eat Soap," was kept at a minimum. On the other hand, however, we were not to stand abuse from the Sophomores, nor were we to suffer defeat.

When the Sophomores became too bold and boisterous, they were challenged to the "class scrap," but not one of them was to be found. This same challenge was repeated later, which was accepted, resulting in the defeat of '96 and a promise that they would forever keep their peace. But on the other hand, our kind treatment of '98 did not improve their savage nature as we had hoped.

The constituency of '97 is superb, mosaic indeed. There are long men and short men, heavy men and feather-weights; men with whiskers, men with none, (not their fault they tried hard enough); men with mustaches and men with countenances unsullied by such appendages, men with luxuriant epicranial growth and those with bald and barren pates. Yes, where will wonders end?—we have a real living "Skeleton."

We come here with a Pond, but never lost Hart when we were ducked. We enrolled a man that was Green, but true and honest. We honor a Champion—the embodiment of everything elevating and ennobling to man. The history of the class does not date back so far as Abraham, but still we have a Patriarche.

Some claim that we do not figure a very conspicuous part on the athletic field, still we are proud to mention that our class carried off two-thirds of the first medals awarded to the M. A. C. at the inter-collegiate field day. We enroll the champion feather-weight wrestler of the M. I. A. A., and, also, the champion light-weight wrestler of the State. Our proud distinction is the defeat of the Seniors in base ball. Whatever we lack in athletics we more than counterbalance by superior class-work.

We might enumerate many instances connected with our class history. Suffice to say that we have made a grand success of every undertaking and are recognized as a class of sterling abilities.

JNO. W. RIGTERINK.



The Sophomore.



These swagger, Sophomore, city sports,
At M. H. C., from all reports,
Soon learn the art of how to stack,
And then of ducking get the knack.





CLASS OF '98.

Class of '98.

Class Colors.

Scarlet and Old Gold.

Class Yell.

Ninety-eight, Ninety-eight,

Cis, Boom, Bah!

M. A. C., M. A. C., Rah! Rah! Rah!

OFFICERS.

H. L. BECKER,	President
CHAS. TOWNSEND,	Vice President
F. J. KLING,	Secretary
F. J. WILLIAMS,	Treasurer

MEMBERS.

F. Brainard Ainger.	Charles A. Gower.	Macy H. Lapham.	D. A. Seeley.
Wesley M. Backus.	Hugh B. Gunnison.	Charles W. Loomis.	Clara M. Steele.
Bertha B. Baker.	David Jones Hale.	Ward H. Marsh.	O. W. Slayton.
J. M. Barnay.	Thomas L. Hankinson.	C. Luther Meaux.	Eber B. Thompson.
Henry L. Becker.	George C. Henderson.	William J. Merkel.	Elmer L. Thompson.
Hayes N. Brown.	William R. Kedzie.	Harry L. Mills.	Charles Townsend.
E. A. Calkins.	William Kington.	Robert E. Morrow.	Carl H. Van Auken.
George Campbell.	Frederick J. Kling.	F. Will Newman.	Fenner M. Van Auken.
Harry C. P. Case.	Adolph B. Krentel.	J. C. Nichols.	Edwin B. Wallace.
George W. Corey.	Alex C. Krentel.	George F. Richmond.	Frank V. Warren.
Homer A. Eldridge.	Chris M. Krentel.	R. J. Robb.	Fred T. Williams.
Herbert L. Fairfield.	Rufus W. Landon.	Floyd W. Robison.	Harvey A. Williams.
Harold W. Force.	C. B. Lundy.	P. S. Rose.	Fred L. Woodworth.

HISTORY.

In the latter part of the summer of 1894, about sixty young men left their homes in various parts of the State and country and started for our capital city for the purpose of attending the M. A. C. Many of them probably expected to spend four years in pursuing the path of knowledge which may be so pleasantly followed at this College.

These young men on arriving constituted the class of '98—in its unripe form. The Y. M. C. A. boys and many of the upper classmen treated them most kindly in the way of helping them out of the many difficulties that every bewildered Freshman is sure to encounter. But often one of these new-comers would mistake a tricky Sophomore for his friend, and, consequently, he would be made an object of laughter on account of buying some agricultural report or hastening over to the president's office at a false alarm created by some urgent request in a mock "faculty letter;" perhaps he would be sent over to Howard Terrace or to the library building for his meals, or to commit many other ridiculous blunders because of his natural ignorance of the College.

In the third week after our entrance, with the assistance of one of our Junior friends, Mr. Ernest D. Partidge, we were organized into a class. A constitution was formed September 20, '94. Our first officers were as follows: R. L. Stone president, E. Dwight Sanderson vice-president, H. L. Fairfield secretary, T. H. Wilcox treasurer.

Since the constitution was adopted the class has made much progress. Class colors were chosen at the third meeting. They were of orange, green and pink. These, however, did not seem to suit the tastes of the members, so in the following spring, a committee of ladies was appointed to look up colors. At last scarlet and old gold were chosen. Caps were procured in the summer term of '95. These created the usual excitement; but many of us still have our caps.

Our class has met with success in nearly all their undertakings; and they have succeeded in doing some things that have attracted much attention, as one of our members accomplished the feat of crowning the ball on top of the flag-pole with a '98 cap. It was the highest point at which any class cap had ever been raised; and it remained there till long after that class ceased to be called Sophomores. In the athletic field, we have gained a good reputation. Cole, who won the all-round medal at the M. I. A. A. field day at Hillsdale in 1895, was a member of our class, and our ball team holds the class championship. In all the games we have played we have never been beaten.

Although our membership has naturally somewhat decreased in our two years at college, we are still the same progressive class; and we hope that success will attend us in the future as it has in the past—even after the day of parting in '98.



The Freshman.



The innocent young country boy
Comes to College to enjoy
Cool, refreshing water-bags
When e'er upon the stairs he lags.





CLASS OF '99.

Class of '99.

Class Colors,

Lavendar and White.

Class Yell,

Breke, Koex, Koax, Konine!

M. A. C., M. A. C., Ninety-nine!

OFFICERS.

R. W. CLARK,	President
T. C. LEWIS,	Vice President
A. E. WALLACE,	Secretary
L. S. CHRISTENSEN,	Treasurer
W. B. NEVINS,	Marshal

MEMBERS.

Charles H. Adams.	Harry S. Crawford.	Ina Keillor.	Walter F. Porter.
R. Manning Agnew.	Allan L. Daniels.	Fred C. Kendall.	Guy Purdy.
Clift. F. Austen.	Charles J. De Land.	J Verne Kinsey.	Edward R. Russell.
Elton D. Bailey.	Glen A. Dewey.	Almon Landon.	Louis E. Sage.
Waldo M. Ball.	M. B'iss Dewey.	Thomas C. Lewis.	Bert Slack.
Bronson Barlow.	Perry H. Edmonds.	Thaddeus H. Libbey.	Floyd H. Smith.
Wynn A. Bartholomew.	S. Fred Edwards.	Walter E. Locklin.	Allan H. Stone.
Cassius D. J. Beck.	Arthur S. Eldridge.	Frank E. Masson.	Robert W. Swift.
Louis J. Bolt.	Walter H. Flynn.	John E. Mayes.	Frank H. Thoman.
Charles E. Calkins.	Edward D. Gagnier.	James W. Michan.	Ellen Vaughan.
Fred T. Champion.	Walter Gospill.	G. De Vere Miller.	Albert E. Wallace.
William B. Chapman.	George N. Gould.	Ralph W. Millis.	Harry Walrath.
William L. Chase.	William H. Green.	Willis E. Mills.	A. Judson Weeks.
Leonard S. Christensen.	James Hayden.	Wilfred B. Nevins.	Edwin A. Winegar.
Lee W. Clancey.	Daniel E. Hoag.	Frank O'Brien.	Christian Wolf.
Alvah B. Clark.	Elmore M. Hunt.	Charles H. Palmer.	Fred V. Young.
Frank H. Clark.	Charles Johnson.	Myrtle C. Pashby.	
Ralph W. Clark.	Wilber Judson.	Philip W. Porter.	

HISTORY.

With the return of the upper classmen in the fall of '95, there appeared on the campus the usual crop of Freshmen. They were as green and awkward as the average, perhaps even a little more so. There was the country boy with his "high-water" pants and short jacket, or perhaps he wore "store-clothes." In either case he usually carried a large, old-fashioned carpet-bag, or grip, and was easily recognized. There was the self-important young man who knew it all, or thought he did, and who inquired "the way to the president's office" in a manner that plainly added, "and be quick about it." With a few "mother's darlings" and perhaps a "Willie-boy" or two, the list of freaks is complete.

But one and all, freak and ordinary mortal alike, they were greeted with "Hello—Freshman!" "Say! does your mother know you're out?" and other remarks that tend to make a timid fellow feel anything but at ease. Generally on emerging from the ordeal of "the president's office," each fellow was met by some smooth-speaking upper classman, who was suspiciously polite and very anxious that the Freshman should get some of the bargains in furniture of which he, the upper classman, knew. Truly, they were wonderful bargains; cots, whose queer actions were guaranteed to produce sleeplessness; carpets that had been handed down as heirlooms; and everything in the furniture line, "at prices that couldn't be beaten," which last was also true. The new-comer soon got settled and accustomed to his sur-

roundings, but his life for the next month or so was not at all dry and uninteresting. Water descended frequently, with the suddenness of a cloud-burst, and the cry "Hello—Freshman!" was heard from all directions.

The courses of study for the agricultural and the mechanical students differ widely, but in some cases are identical. Part of the work of the mechanicals for the first term was work in the pattern shop, while the agriculturals went out on the farm to learn the scientific way of killing potato bugs. During the second term, both agriculturals and mechanicals worked in the pattern shop. Some of the boys "monkeyed with the buzz-saw" to their sorrow, but there were no serious accidents.

During the last two terms nothing of much interest occurred, except perhaps the customary "scrap" between the Sophomore and Freshman classes. Of course the Sophomore's claimed the victory—they always do. But the coolness and depth of the fountain was learned from personal experience that night by more Sophomores than Freshmen; and when, a few nights later, the Sophomores were offered another chance to "down" the Freshmen, they concluded they weren't the size and wouldn't try.

The members of the class are at present looking eagerly forward, as is almost everyone at the College, to the long vacation. And, such is human nature, in all probability they will try and make life pleasant for the next crop of Freshmen.

Graduate Students and Specials.

GRADUATE STUDENTS.

Cecil J. Barnum.	Ralph B. Dean.	George J. Hume.	Bert W. Peet.
Charles L. Bemis.	Charles E. Ferris.	Christian M. Krentel.	Cunningham E. Richmond.
Philip A. Bennett.	Grace L. Fuller.	Charles D. Livingston.	Winnie J. Robinson.
James E. Clark.	Isaac B. Gilbert.	Wm. B. McCallum.	Clarence B. Smith.
John A. Crawford.	Frederic Gorton.	Lester McDiarmid.	J. Edward Stoffer.
Dick J. Crosby.	Wilbur O. Hedrick.	Edward M. McElroy.	Charles D. Thompson.
Willard L. Cumings.	Jennie K. Hill.	Albert H. Murdock.	Mary Lillian Wheeler.
Hiram C. Daly.	Perry G. Holden.	George C. Nevins.	

SPECIALS.

Florence L. Abbott.	Sherman Culbertson.	Luther J. Hughes.	Dan F. Pagelsen.	Justin L. Sutherland.
Walter G. Amos.	Jean E. Dawson.	William D. Hurd.	Myrtle Peck.	Ira G. Thorpe.
William H. Anderson.	Birdie Dean.	Max H. Irwin.	George L. Perry.	Clarence R. Tock.
William A. Ansorge.	Phoebie E. Dean.	Fred G. Jahn.	Mary Prindle.	Fred J. Tooze.
Herman Arnt.	Albert N. Demoray.	Fred W. Kramer.	Roy J. Robb.	George A. True.
Oliver R. Austin.	Hiram C. Dodds.	Adorf B. Krentel.	Charles E. Rork.	Leon L. Tyler.
Mary C. Baker.	Emmett E. Doheny.	Rufus W. Landon.	George W. Rose.	John E. Ure.
Henry L. Becker.	Paul F. Fischer.	Addison I. Lincoln.	Robert C. Scott.	Wilfred R. Vanderhoef.
Marie E. Belliss.	Minna B. Fuller.	Burton O. Longyear.	Ruth J. Shank.	John H. Van der Stolpe.
Irwin N. Boyer.	Edwin S. Good.	W. Leroy McDiarmid.	James Shanks.	Hiram C. Walker.
Joseph B. Brady.	Mary E. Green.	Arthur C. McKinnon.	Frank E. Sinclair.	Leon J. Walter.
Hayes N. Brown.	Emma K. Groezinger.	C. Luther Meaux.	Essa Singleton.	William M. Warner.
Arthur J. Bruen.	Fred W. Herbert.	William Melville.	Homer C. Skeels.	Bertha Wellman.
Minna A. Bush.	Carrie L. Holt.	Norton J. Miller.	William M. Smith.	Fay Wheeler.
Henry L. Chamberlain.	Carl N. Hoppough.	Francis M. Morrison.	Almus R. Speare.	Robert J. Wilson, Jr.
Thos. A. Chittenden.	Suguya Hori.	Fred M. Nichols.	Alister B. Staup.	Ida M. Wimer.
Arthur C. Cole.	Herbert M. Howe.	Elmer M. O'Neil.	Thomas E. Stewart.	
George D. Cooley.	Arthur F. Hughes.	Ralph H. Osborn.	Eugene Straight.	

Summary of Students.

	Agricul- tural.	Mechan- ical.	Ladies.	TOTALS.
Graduate Students	27		4	31
Class of '95	27	10		37
Class of '96	20	15		35
Class of '97	30	17	1	48
Class of '98	46	27	5	78
Class of '99	34	39	3	76
Specials	50	20	18	88
TOTALS.....	234	128	31	393





OFFICERS, 1896-'97.

S. H. FULTON,	President
J. D. McLOUTH,	Vice President
C. W. LOOMIS,	Corresponding Secretary
E. M. HUNT,	Recording Secretary
H. E. VAN NORMAN,	Treasurer

STANDING COMMITTEES.

Membership.—(Same as Work for New Students.)

Work for New Students.—F. N. Lowry, R. J. Robb, J. D. McLouth, C. W. Loomis, H. E. VanNorman, E. M. Hunt.

Religious Meetings.—R. J. Robb, R. H. Stocoum, B. Barlow.

Bible Study.—J. D. McLouth, W. R. Kedzie, C. F. Austen.

Intercollegiate.—C. W. Loomis, C. E. Townsend, R. H. Osborn.

Finance.—H. E. VanNorman, D. J. Hale, A. J. Weeks.

Missionary.—E. M. Hunt, T. J. Lewis, H. A. Eldridge.

HISTORY.

The pleasant rooms upon the first floor of Williams Hall are without doubt the centres of religious life at the College. The Young Men's Christian Association, composed of students and faculty, together with its helpful auxiliaries the Bible classes, holds its meetings here, and though undeniable credit is due the helpfulness of Sunday services and chapel exercises, most of what is planned and most of what is done for the religious life of the students takes place in these rooms.

The organization thus important was chartered in 1881. It was the successor to a students' Christian association which for many years had had an effective existence in college life. The change was simply in step with a general movement among religious societies in American colleges at this time to reorganize under the larger association of Christian young men. The range of duties thus enlarged have been uniformly kept up by the College organization both toward the College work throughout the State as well as toward the State work of the general association.

The otherwise steady growth of the association in numbers and influence was broken in 1889 by what seems to have been a general advance in usefulness. The old room on the third floor of College Hall was vacated this year for the new. The appointment of delegates to the Bible study summer schools—the continued practice of which has given such good results—was commenced in this year. From this year, also, dates the

Bible classes among the students led by students, generally of those who had attended the summer schools of Northfield or Geneva, which have quietly but efficiently promoted Bible study in the College. The activity of the following year is only second in importance to that of the preceding. During this year the first Y. M. C. A. hand book made its appearance, followed in each succeeding year by a new and generally better one. In this year also a missionary spirit found vent among its members in subscribing \$1,000 toward an association building then being erected by American colleges at Tokio, Japan.

Throughout its history the association has customarily had a membership of from forty to sixty each year. It has had some social importance through its receptions given each term, sometimes oftener, to the students of the College.

As an association it has always lauded the helpful accessories, so potent in other young men's Christian associations, of gymnasiums and reading rooms. It is simply an association for religious purposes. The religious work of the association has always been the outgrowth of student disposition toward religion. Its chief incentive has been the sincere desire of students to better the religious and moral characters of themselves and their companions. It represents in time and work and money the efforts of Christian students to cultivate religious life among college students.



Students' Organization. • •

OFFICERS.

S. H. FULTON, . . . Vice President
H. L. BECKER, . . . Secretary
E. H. SEDGWICK, . . . Treasurer
B. A. BOWDITCH, . . M. I. A. A. Director
C. F. HERRMANN, Manager Base Ball Team
D. J. CROSBY, . . . Captain Base Ball Team
W. R. VANDERHOEF, Captain Foot Ball Team
Athletic Committee—President, M. I. A. A.
director, captain and manager base ball
team, manager and captain foot ball team.



Club Boarding Association. • •

OFFICERS.

I. L. SIMMONS,	President
H. A. DIBBLE,	Secretary
SEC. I. H. BUTTERFIELD,	Treasurer

STEWARDS.

I. L. SIMMONS,	Club A
H. A. DIBBLE,	Club B
J. G. RIGTERINK,	Club D
H. L. BECKER,	Club E



OFFICERS.

LYMAN R. LOVE,	President.
FRED. N. JAQUES,	Vice President.
J. G. RIGTERINK,	Secretary.

IN the course of study in the Michigan Agricultural College, the natural sciences have always been given a prominent place, and pursuit of these studies gives a practical turn to all connected with the institution. Such training naturally led to the formation of a natural history society.

On May 17, 1872, aided by the members of the College faculty, the students perfected such an organization. Although called a natural history society, its objects have always been broader than this name would indicate, and include chemistry, mechanics, engineering, astronomy, physics, and other sciences.

At the first meeting P. H. Felker was called to the chair and F. C. Wells was made secretary, B. D. Halsted, C. Miller and D. P. Strang were appointed a committee to prepare a constitution and by-laws. On May 20 the first permanent officers were elected as follows: president, W. K. Kedzie; vice president, J. L. Morrice; secretary, C. E. Miller; corresponding secretary, Prof. A. J. Cook; treasurer, G. W. Mitchell; curator, F. C. Wells; librarian, C. L. Ingalls.

The meetings are now held monthly on Friday evenings, and they are always interesting. The program consists of prepared articles or talks, reports of various investigations by both students and professors, and personal observations about the campus by the members. The following persons have served the society as presidents:

W. K. Kedzie, P. H. Felker, Dr. R. C. Kedzie, B. D. Halsted, R. F. Kedzie (twice), Dr. W. J. Beal, J. Stannard, C. W. Garfield, A. J. Cook, C. B. F. Bangs, N. P. Graham, C. F. Davis, G. T. Fairchild, Arthur Jones, L. H. Bailey, Jr., F. F. Rogers, C. R. Gillett, C. H. Hoyt, G. W. Park, D. A. Pelton, L. H. Dewey, (twice), V. H. Lowe, (twice), G. H. Hicks, A. B. Cook, R. S. Campbell, H. W. Lawson, and L. R. Love.

Michigan Academy of Science. ❷

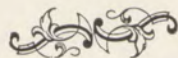
OFFICERS, 1896.



PROF. WM. H. SHERZER, Ypsilanti,	President
HENRY B. BAKER, M. D., Lansing, Sanitary Science	Vice President
DR. J. E. REIGHARD, Ann Arbor,	Zoology " "
PROF. F. C. NEWCOMBE, Ann Arbor,	Botany " "
PROF. C. D. SMITH, Agricultural College, Agriculture	" "
PROF. C. E. BARR, Albion,	Treasurer
PROF. WALTER B. BARROWS, Agricultural College,	Secretary

The Michigan Academy of Science held its second annual field meeting at the College on Friday and Saturday, June 12 and 13. The attendance was not large, but the various sections and sub-sections were fairly well represented and the time was profitably spent in inspecting the various laboratories, collections, and other objects of interest about the College, and in collecting specimens and comparing notes. At the short business meeting thirteen new members were elected, a section of agriculture was organized, and the sub-section of conchology was authorized. The Academy now numbers 130 members and its officers. Those present were from Detroit, Ann Arbor, Lansing, Grand Rapids, Adrian, Ypsilanti, Alma, Hillsdale and Houghton. The next regular meeting will be held at Ann Arbor in April, 1897.

Botanical Club.



OFFICERS.

PROF. C. F. WHEELER,	President
B. O. LONGYEAR,	Vice President
BRONSON BARLOW,	Secretary

The M. A. C. Botanical Club was organized September 26, 1890. Rev. S. P. Orth, then a freshman, was active in urging students to attend the first meeting, which was held in the museum of the Agricultural Laboratory. C. F. Wheeler was chosen chairman of this informal meeting and R. S. Campbell secretary.

A committee on permanent organization named G. H. Hicks president and R. S. Campbell secretary. The club meets Friday evenings, joining with the Natural History Society at its meetings the third Friday of each month. During the past six years the interest in the meetings has been good, and many members have been helped in learning how to observe the behavior of plants out of doors.



OFFICERS.

GORDON H. TRUE,	Master
LYMAN R. LOVE,	Overseer
BURTON A. BOWDITCH,	Lecturer
W. J. MCGEE,	Steward
H. E. VAN NORMAN,	Ass't Steward
J. D. MCLOUTH,	Chaplain
THOS. GUNSON,	Treasurer
H. W. HART,	Secretary
A. C. COLE,	Gate Keeper
MRS. C. F. WHEELER,	Flora
MRS. L. R. TAFT,	Pomona
MRS. C. D. SMITH,	Ceres

THE M. A. C. Grange No. 704, was organized April 7, 1895. The Capitol Grange of Lansing, through the efforts of Dr. Beal, released jurisdiction of all College students and others in any way connected with the College. For the purpose of organizing a grange members of the senior and junior classes from the agricultural course, together with several professors and instructors, met at the Phi Delta Theta fraternity rooms in Wells Hall. Geo. B. Horton master of the State Grange was present at this meeting. The charter members, thirty-nine in number, were mostly from the senior class.

At the first regular business meeting a committee was appointed to set the date of meeting. It was decided to hold the meetings Tuesday evening every two weeks. This was afterwards changed to Friday evening, the meetings being held with the same frequency as before.

The first officers of the Grange were from the senior class and were as follows: Master, Chas. H. Alvord; Overseer, Howard R. Smith; Lecturer, E. Joy Heck; Steward, Royal C. Fisher; Assistant Steward, W. Chandler Bagley; Chaplain, M. W. Fulton; Treasurer, W. C. Stebbins; Secretary, Burton A. Bowditch; Gate Keeper, Hugh E. Ward; L. A. S. Mrs. C. F. Wheeler.

Seventh Annual Oratorical Contest. • •

The seventh annual contest of the M. A. C. Oratorical Association was held Friday evening, October 25, 1895, at the Central M. E. Church, at Lansing. Roscoe E. Doolittle, of the Hesperian Society won first medal, and M. W. Stutz, of the Columbian Society, second medal.

PROGRAM.

March—Third Brigade, I. N. G., *D. W. Godard*
Eclectic Orchestra.

The New Man.

C. A. JEWELL, . . . Olympic Society
Patriotism for America.

R. E. DOOLITTLE, . . . Hesperian Society

Music—Presbyterian Quartette, . . .

The Permanence of American Institutions.

E. E. GALLUP, . . . Union Literary Society

Overture—Around the Metropolis, . . .
Eclectic Orchestra.

A Plea for the Single Tax.

M. W. STUTZ, . . . Columbian Society

Music—Presbyterian Quartette, . . .

Presentation of Medals, Miss ZOE B. FREEMAN

Music—Dance of the Bobolinks, *W. H. Penn*
Eclectic Orchestra.

OFFICERS.

I. L. SIMMONS, . . .	President
H. M. HOWE, . . .	Vice President
H. E. VAN NORMAN, . . .	Secretary
J. T. BERRY, . . .	Treasurer

JUDGES.

ON COMPOSITION.

PRESIDENT R. G. BOONE, . . .	Ypsilanti
PROF. B. A. HINSDALE, . . .	Ann Arbor
PROF. W. C. GORE, . . .	Ann Arbor

ON ORATORY.

JUDGE JOHN W. McGRATH, . . .	Lansing
JUDGE EDWARD CAHILL, . . .	Lansing
REV. C. F. SWIFT, . . .	Lansing

Commencement Oratorical Contest. • •

One of the very recent features of our commencement exercises are the contests, for which the college awards prizes in the shape of gold and silver medals. The contestants are elected from each society by the society members, but no one person is permitted to contest for prizes more than once. A gold medal is offered to the best orator, the best debater, and a silver medal to the best declaimer. The contest will take place Tuesday evening, August 11th. The contestants for this commencement are as follows:

ORATORS.

Our Politics.		
NOEL M. MORSE,	.	Olympic Society
Abolition of War.		
ORSON P. WEST,	.	Columbian Society
The Universal Brotherhood.		
LOUIS D. SEES,	.	Hesperian Society

DEBATERS.

<i>Resolved</i> , That United States senators should be elected by direct popular vote.	
LOUIS S. MUNSON, Negative,	Union Literary Society
BURTON A. BOWDITCH, Affirmative,	Phi Delta Theta Fraternity

DECLAIMERS.

MISS SADIE CHAMPION,	Feronian Society
"The Boat Race"— <i>Holmes</i> .	
CLINTON D. BUTTERFIELD,	Eclectic Society
"The Diver"— <i>Schiller</i> .	

Joint Meeting

November 1, 1895.

of Feronian Society,
Delta Tau Delta and
Phi Delta Theta Fraternities.

PROGRAM.

- Music—"Martha," *Dorn*
MISS MYRTLE M. PECK.
- Joint Recitation,
"Gone with a Handsomer Man than Me"
MISS FAY WHEELER, MR. A. C. KRETEL.
- Oration, . . . "Individual Duty as to Citizenship"
MR. B. A. BOWDITCH.
- Music—"Mazourka Galante," *D. Krug*
MISS LOA RENNER.
- Story, M. A. C. in 2000
MR. CHAS. F. HERRMANN.
- Essay, "Honesty the Best Policy"
MISS MARY C. BAKER.
- Music—"Legende," *H. Wieniawski*
ROY BRISTOL.
- Poem,
FRED H. YAPLE.
- Music—Piano Solo,
MR. W. A. RIDER.

Union Literary Meeting.

Friday, July 31, 1896.

OFFICERS.

- S. B. YOUNG, President, . . Union Literary Society
MISS BERTHA WELLMAN, Vice Pres., Feronian Society
S. J. REDFERN, Secretary, . . Olympic Society
C. F. HERRMANN, Treas., Phi Delta Theta Fraternity

PROGRAM.

- Music—Eclectic Society.
- Reading, W. JUDSON
Delta Tau Delta Fraternity.
- Story, A. M. PATRIARCHE
Olympic Society.
- Music—Quartette—Union Literary Society.
- Oration, W. G. AMOS
Phi Delta Theta Fraternity.
- Paper, T. CHITTENDEN
Columbian Society.
- Music—Eclectic Society.
- Sermon, MISS GREENE
Feronian Society.
- Poem, J. D. McLOUTH
Hesperian Society.
- Music—Union Literary Society.

The King's Daughters. •

MRS. W. B. BARROWS, . . . Leader

MISS LILIAN WHEELER, . . . Secretary

THE order of King's Daughters was founded in New York City in 1886 by half a dozen religious workers, Mrs. Margaret Bottome being president. The object and motto of its members is, "To look up not down, to look out not in, to look forward not back, to lend a hand willingly whenever the Master calls." Ten members complete a circle. All members are requested to wear the silver cross bearing the initials, "I. H. N." (In His Name), or a purple ribbon to show "Whose they are and whom they serve."

In October last a circle was started on the college grounds, invitations being extended to all. The charter members were four in number, who chose for their name, "Try and Trust." Mrs. Thos. Gunson was elected leader, and Mrs. Chas. Weil secretary and treasurer. The growth of the circle has been increasing in work and numbers, having twenty-one members on its roll.

The society meets every two weeks at the different homes of the members. The circle looks forward to the accomplishment of many things in the near future.

Dante Club. ☛

"Almost all other poets have their seasons, but Dante penetrates to the moral core of those who once fairly come within his sphere, and possesses them wholly. His readers turn students, his students zealots, and what was a taste becomes a religion. The homeless exile finds a home in thousands of grateful hearts."—*James Russell Lowell*.

The Dante Club was organized at Professor Holdsworth's, April 15, 1896. The object is to come to know something at first hand concerning an author who, though little known to most English readers, is ranked by all critics among the great poets of all time.

The club meets every Wednesday evening in Professor Hedrick's office, and devotes an hour and a half to reading and discussing three cantos of "The Divine Comedy." Most of the members have Cary's translation, but variety and help is afforded by three other translations—Norton's, Wright's and Longfellow's.

The following is a list of the members:

PROF. A. B. NOBLE, President.

Dr. and Mrs. H. Edwards.

Prof. and Mrs. W. S. Holdsworth.

Mr. and Mrs. Thos. Gunson.

Mr. and Mrs. G. C. Lawrence.

Mrs. F. W. Steele.

Prof. W. O. Hedrick.

Prof. C. F. Wheeler.

Mr. D. J. Crosby.

Mr. Chas. Johnson.



Junior Hop

... Given by the **Class of '97**

In the armory,

Friday evening, April 17, 1896.

About fifty couples participated in the program, which consisted of twenty-four numbers and six extras, the music being furnished by Wurzburg's orchestra of ten pieces, of Grand Rapids. Professor and Mrs. Herman K. Vedder led the grand march. No hop given by previous classes has outdone this one, although its predecessors have been almost as meritorious. The committees and chairman of each, who did so much to make the affair a success, were as follows:

Reception Committee.

Chairman, Joseph F. Merkel.
E. Dwight Sanderson. George A. Parker.
Charles F. Herrmann. John W. Rigterink.

Floor Committee.

Chairman, J. D. McLouth.
C. K. Chapin. C. B. Laitner.

Decoration Committee.

Chairman, John W. Rigterink.
H. W. Hart. S. H. Fulton.
S. J. Redfern. C. K. Chapin.

Music Committee.

Chairman, F. W. Kramer. Chas. F. Herrmann.

Refreshment Committee.

Chairman, Henry A. Dibble. I. L. Simmons.

Invitation Committee.

Chairman, Miss Bertha Wellman.
Miss Sadie Champion. J. N. Goodrich.
W. R. Goodwin. F. N. Lowry.

Program Committee.

Chairman, H. A. Hagadorn. H. E. VanNorman.

Ticket Committee.

Chairman, H. A. Hagadorn.
E. Dwight Sanderson. C. D. Butterfield.

Class Officers.

President, SCOTT J. REDFERN
Vice President, . . . MISS BERTHA WELLMAN
Secretary, MISS SADIE CHAMPION
Treasurer, . . . CLINTON D. BUTTERFIELD

Commencement Hop. •

• Given by the •

Eclectic, Hesperian and Columbian Societies,

and the . .

Phi Delta Theta and Delta Tau Delta
Fraternities.

M. H. C. Armory • August 12, 1896.



COMMITTEES.

Music.

F. W. KRAMER, . . . Eclectic Society

Floor.

C. K. CHAPIN, Phi Delta Theta Fraternity

Program.

E. DWIGHT SANDERSON, Hesperian Society

Refreshment.

S. H. FULTON, . . . Columbian Society

Reception.

A. C. KRETEL, Delta Tau Delta Fraternity

Eclectic Society ♣ ♣

Wednesday evening, August 12, 1896.

LITERARY PROGRAM.

Music.

President's Address, . W. R. VANDERHOEF
Declamation, . CLINTON D. BUTTERFIELD
Oration, . . . ROBERT B. BUEK

Music.

Poem, . . . F. W. NEWMAN
Prophecy, . . . F. W. KRAMER
Society Paper, . . DAVID McELROY

Music.

BANQUET.

Toastmaster, . . E. S. GOOD.

The Tie That Binds, . JASON E. HAMMOND

The New South, . ALVA T. STEVENS

The Farm and the "Hort.,"

ROBERT L. CLUTE

Frauenloch, . . . GEO. W. WILLIAMS

Seniors, . . . H. A. DIBBLE

U. L. S. Commencement Festivities.

Wednesday Evening, August 12, 1896.

• Society Officers. •

President, . . . J. T. BERRY
Vice President, . . . L. R. LOVE
Secretary, . . . F. V. WARREN
Treasurer, . . . E. A. ROBINSON

• • Reception Committee.

C. H. BRIGGS, J. L. SUTHERLAND,
C. A. GOWER.

• • Literary Committee.

G. N. EASTMAN, R. H. STOCUM,
G. F. RICHMOND.

• Programme.

President's Address, . . . J. T. BERRY
Music.
Poem, . . . W. J. MCGEE
Oration, . . . S. B. YOUNG
Music.
Prophecy, . . . R. H. STOCUM
College Paper, . . . G. N. EASTMAN

Society Roll.

Waldo M. Ball	W. B. Perkins
Joseph T. Berry	Geo. A. Parker
Clifford H. Briggs	E. D. Partridge
B. E. Balkins	Geo. F. Recheard
E. B. Balkins	John W. Rytting
Ed. Neal Eastman	R. J. Robb
S. F. Edwards	E. A. Robinson.
W. Nathan Gould	F. W. Robinson.
M. A. Lapham	O. W. Stanton
C. Hoppough	R. H. Stocum
W. R. Hupzic	J. L. Sutherland
R. W. Landon.	S. W. Tracy
Chas. A. Laver	G. D. Warren
L. R. Love.	A. C. Wallace
Wifford J. McGee	F. F. Williams
Clara Eugene Meyers	F. L. Woodworth
L. S. Munson	A. B. Young

Olympic

Programme **

Tenth Annual Reunion,
August 12, 1896.

President's Address,	C. A. Jewell
History,	W. M. Bachus
Poem,	A. M. Patriarche
* Music. *	
Oration,	W. H. Marsh
Prophecy,	W. R. Goodwin
* Music. *	



Toasts. ***

Herbert W. Mumford, Toastmaster.

The Farmer,	N. M. Morse
"There seems to be a notion, Among the folks around, That country folks aint quite so good As them 'at lives in town,"	
Looking Backward,	C. C. Pashby
"New occasions teach new duties, Time makes ancient good uncouth"	
Our Future,	H. W. Hart
"Trust no Future, howe'er pleasant! Let the dead Past bury its dead!"	
The Ladies,	I. L. Simmons
"I see her sweet face still."	
"The College Man in the World,"	

Officers. *



Chas. A. Jewell,	President
Wm. R. Goodwin,	Vice President
Fred J. Kling,	Secretary
Scott J. Redfern,	Treasurer
H. H. Rhodes,	Master of Ceremonies



Society Roll.



'96.

Chas. A. Jewell,	N. M. Morse,	F. M. Nichols.
------------------	--------------	----------------

'97.

H. H. Rhodes,	W. R. Goodwin,	H. W. Hart.
S. J. Redfern,	I. L. Simmons,	E. E. Shaw.

'98.

J. C. Nichols,	W. H. Marsh,	F. J. Kling,
Geo. Campbell,	W. M. Bachus,	A. M. Patriarche.

'99.

E. A. Winegar,	J. E. Mayes,	C. J. Perry,
I. N. Boyer,	E. R. Russell,	F. V. Young,
Fred R. Crane,	F. T. Champion.	



Hesperian Society. ❁

❁ August 12th, 1896.

Sixth Annual Banquet and Hop.

Program. ❁

❁❁

President's Address,	-	W. T. BARNUM
History,	-	J. H. BRILEY
Autoharp Solo,	-	L. CHRISTENSEN
Poem,	-	L. P. FIMPLE
Oration,	-	R. E. DOOLITTLE
Duet,	-	MESSRS. STONE AND SANDERSON
Prophecy,	-	C. B. LAITNER

Coasts. ❁

Coastmaster, ❁

❁❁ L. D. SEES, '96.



Mother Goose Symposium.

CHILDHOOD FANCIES.

Hydiddle, diddle,
The cat and the fiddle,
The cow jumped over the moon,
The little dog laughed
To see such sport
While the dish ran away with the spoon.

L. P. Fimple, '96.

INQUISITIVE YOUTH.

Simple Simon met a pieman
Going to the fair;
Said Simple Simon to the pieman,
Let me taste your ware.

B. E. VanNorman, '97.

LOVERS.

Jack and Jill went up the hill
To get a pail of water,
Jack fell down and broke his crown
And Jill came tumbling after.

D. J. Hale, '98.

THE BENEDICT.

Needles and pins, needles and pins,
When a man marries the trouble begins.

J. H. Elliott, '97.

HAPPINESS REACHED.

Jack Sprat could eat no fat,
His wife could eat no lean,
So between them both they ate the broth,
And licked the platter clean.

R. E. Doolittle, '96.



• Feronian Society •



Annual Meeting.



Music—Instrumental.

President's Address, . MISS BERTHA BAKER

Prophecy, . . . MISS CLARA STEELE

— Music—Quartette.

Reverie, . . . MISS MYRTLE PECK

Oration, . . . MISS MARIE BELLIS

Music—Duet.

Columbian Literary Society.



Wednesday Evening, Aug. 12.



LITERARY PROGRAM.

History, ORSON P. WEST

Music.

Oration, S. H. FULTON

Prophecy, J. H. STEELE

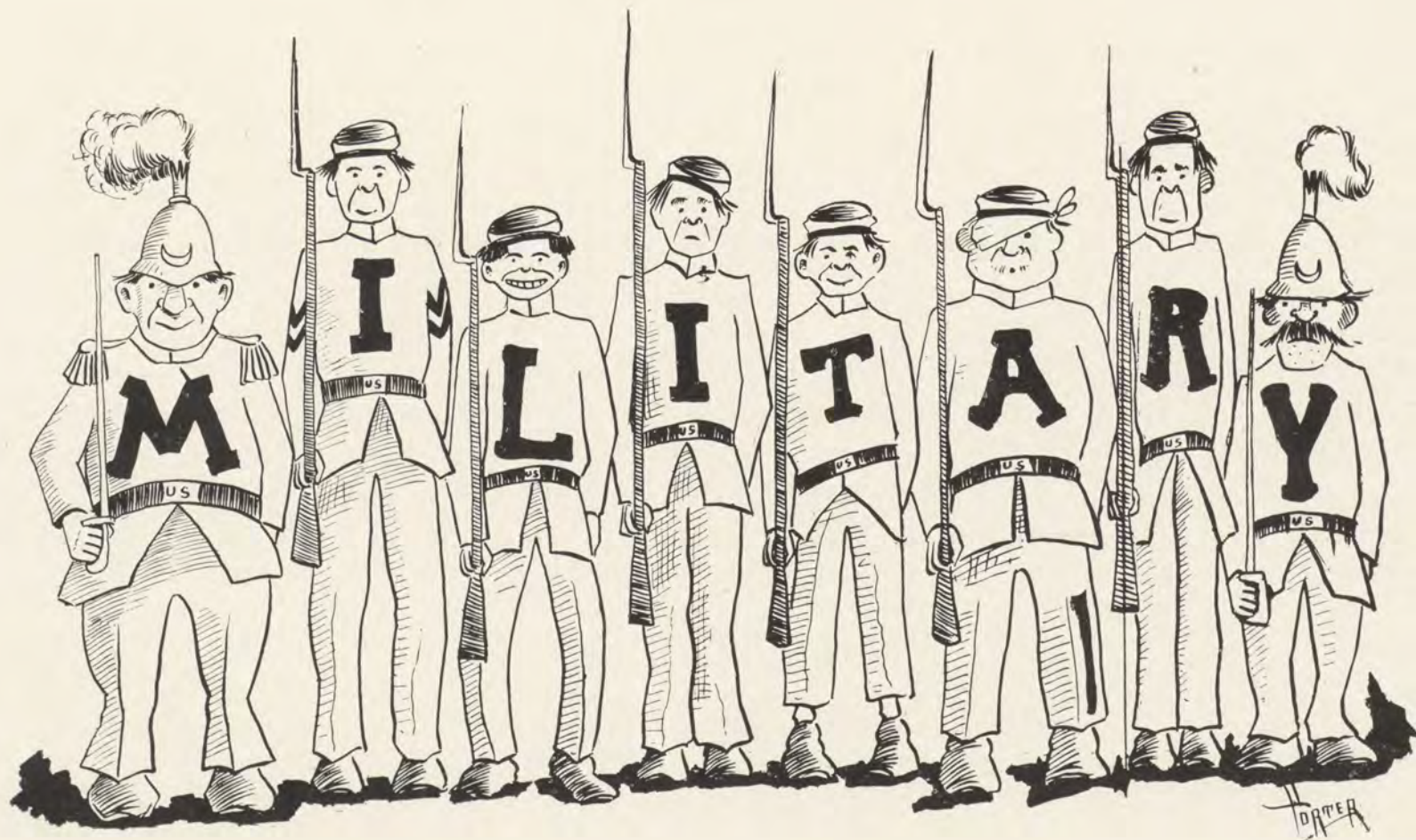
Music.

Poem, E. H. SEDGWICK



BANQUET.

Toastmaster, . . . FRANK N. JAKES



Department of Military Science and Tactics.

THE United States Congress in an act donating certain public lands to the States for educational purposes, deemed it wise to direct the general lines along which the training should proceed in schools established under this grant. Recognizing, before the truth had broken upon our great institutions of learning, the value to the nation that must ensue from a good technical education for farmers and mechanics, the grants directed that the instruction should be mainly "in those sciences and arts which bear directly upon agriculture and kindred industrial pursuits." In addition, Congress sought in these schools of the people to provide a great bulwark for the safety of the nation in times of peril. Appreciating the fact that the defense of the country must always rest with the people, and acknowledging the lessons of the civil war which taught that untrained forces led by inexperienced officers can not win battles, it was resolved that the teaching of military science should be added as one of the conditions to the grant. This department of our College was established in 1884 by the State legislature in an act donating to this College the interest on the United States land grant fund.

By authority of Congress, the War Department of the United States is authorized to detail a limited number of officers of the army to schools having military departments. Further, to such schools is given the use of rifles and equipments and other military stores. Second Lieutenant John A. Lockwood, 17th Infantry (now First Lieutenant Fourth Cavalry) was the officer detailed to assume control of the new department. Drill was made elective, and no uniform was required. There was no building set apart for the use of the department and its expenses were rather grudgingly met. But during the three years of the administration of Lieutenant Lockwood the new department became fairly established as a feature of the institution. Second Lieutenant Wendell L. Simpson, 24th Infantry, (now First Lieutenant 9th Infantry,) succeeded Lieutenant Lockwood, when the latter had finished his three years of duty at the College. Under the care of Lieutenant Simpson the department flourished. Drill was made compulsory on all except seniors, the present armory was erected and the flag staff was put up. The value of military training in the development of the physical and moral man was first generally recognized. It was with the regret of all, students and faculty, that Lieutenant Simpson took leave of the College. First Lieutenant John J. Crittenden (now captain) 22d Infantry, was in charge of the department from February, 1891, until June 1892. He was followed by second lieutenant (now first) Edson A. Lewis, 18th infantry, who is still on duty at the College. In the spring of 1892 a cadet uniform of grey cloth was adopted and was obligatory upon all cadets to appear in uniform at drill. In the fall of 1894 drill was made compulsory for all students except those physically disqualified.



Military Officers.

Field and Staff Officers.

R. B. A. Buek,	First Lieutenant and Adjutant
W. J. McGee,	First Lieutenant and Quartermaster
G. W. Williams,	First Lieutenant and Chief Musician

Captains.

C. H. Briggs,	-	-	-	-	-	Company A
L. P. Fimple,	-	-	-	-	-	Company B
L. D. Sees,	-	-	-	-	-	Company C
N. M. Morse,	-	-	-	-	-	Company D

Lieutenants.

O. P. West.	H. H. Rhodes.	W. T. Barnum.
S. B. Young.	F. N. Jaques.	C. E. Meyers.
	B. A. Bowditch.	E. D. Partridge.

H. E. Van Norman, Sergeant Major.

First Sergeants.

E. Shaw,	T. A. Chittenden.
I. L. Simmons.	H. W. Hart.

Sergeants.

C. F. Herrmann,
W. R. Goodwin,
J. D. McLouth,
J. A. Elliott,
G. A. Parker,
J. G. Rigterink,
W. G. Amos,
H. A. Hagadorn,
A. N. Patriarche,
L. S. Munson,
F. N. Lowry,
S. J. Redfern,
S. H. Fulton.

Corporals.

C. B. Lundy,
W. J. Merkel,
H. L. Fairfield,
H. B. Gunnison,
C. W. Loomis,
F. T. Williams,
F. J. Kling,
M. H. Lapham,
W. H. Marsh,
R. E. Morrow,
H. A. Eldridge,
J. C. Nichols,
E. R. Austin,
F. D. Warren,
W. R. Kedzie,
E. A. Calkins,
F. W. Robinson.

Artillery Detachment.

Lieut. C. E. Meyers,
Chief of Artillery,
Sergt. G. A. Parker,
Corpl. M. H. Lapham.

Signal Corps.

Signal Sergt. E. A. Robinson.
Signal Sergt. H. E. Smith.

Privates.

C. K. Chapin,
W. E. Millis,
F. B. Ainger,
H. A. Dibble,
C. Wolf,
M. H. Lapham,
E. D. Bailey,
J. E. Mayes,
J. W. Michan.



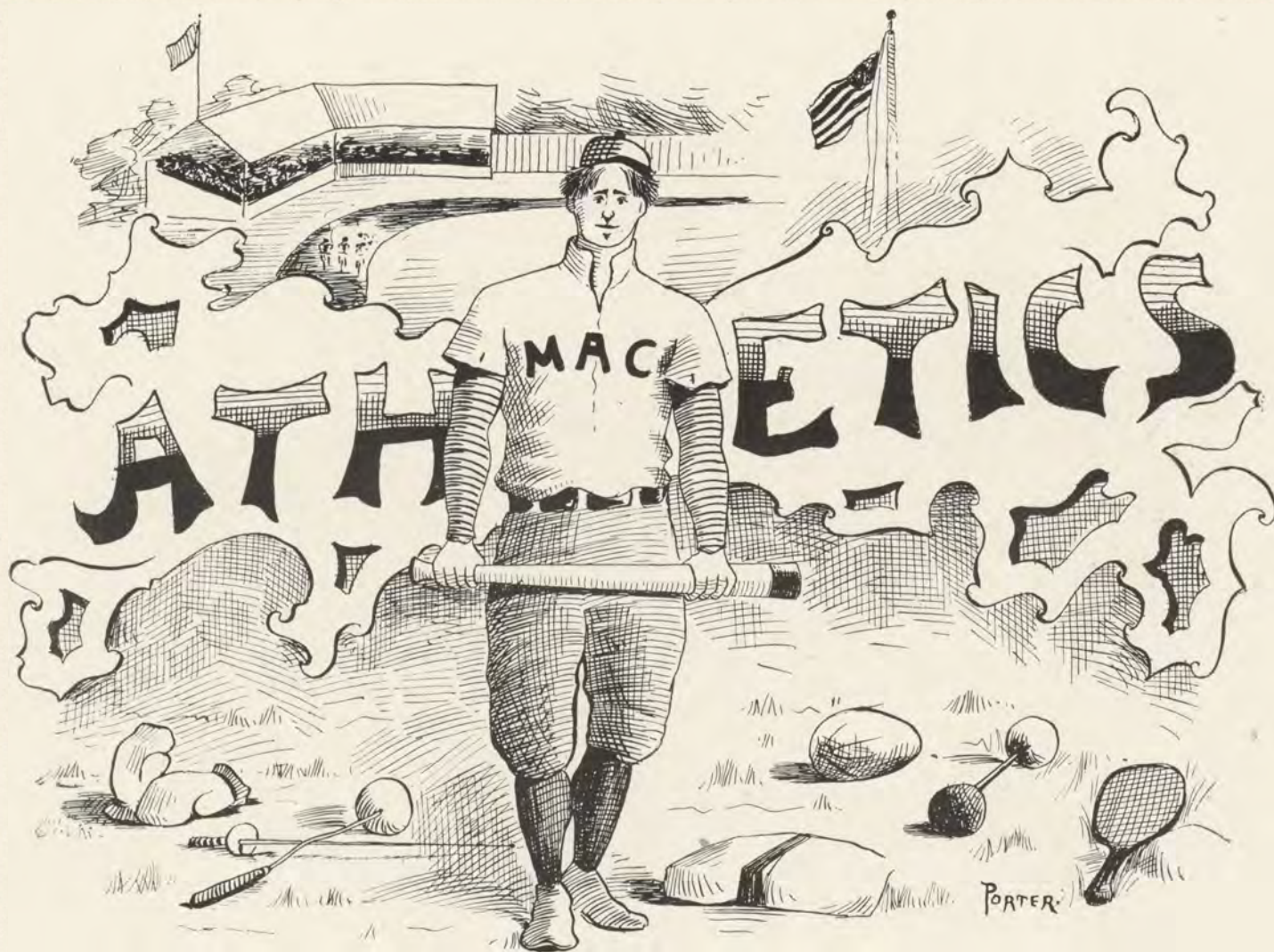
The M. A. C. Alumni Association

Meets at the College at commencement once in three years. The next reunion will probably occur at commencement in June, 1897. At the last meeting in August, 1894, the following officers were chosen: President, M. D. Chatterton, '61; Vice President, C. J. Foreman, '94; Secretary, F. S. Kedzie, '77; Treasurer, P. B. Woodworth, '86; Orator, J. W. Beaumont, '82, alternate, C. B. Collingwood, '85; Historian, W. Babcock, '89, alternate, Jas. Satterlee, '69; Poet, J. E. Hammond, '87, alternate, Chas. H. Hoyt, '85.

The M. A. C. Alumni of Chicago.

The M. A. C. Chicago Alumni Association was organized at Chicago, on February 9, 1896, by electing W. R. Runder, '86, president; and R. S. Baker, '89, of the editorial staff of *The Chicago Record*, secretary and treasurer. Quite a number of the M. A. C. students find their way to Chicago and vicinity. They contemplate holding a banquet once a year, and meeting at other times for acquaintance and talking over the numerous interests of their Alma Mater.

At the winter meeting of the State Teachers' Association in Lansing last December, a temporary organization of M. A. C. Alumni was effected by choosing D. J. Crosby, chairman, and C. E. Holmes, secretary. Soon after it was proposed to form a permanent organization to be known as the M. A. C. Association, to meet annually at the time of the State Teachers' Association. This organization was accomplished by electing C. L. Bemis, '74, of Ionia, president; W. V. Sage, '84, of Decatur, vice president; and D. J. Crosby, '93, Agricultural College, secretary and treasurer.



PORTER

Local Field Day.

Fall Term, 1895.

F. W. Herbert, Manager.

100 yd. dash.....	RIDER.....	time 11 sec.
Standing broad jump.....	PARTRIDGE.....	9 ft. 8 in.
220 yd. dash.....	RIDER.....	24 sec.
Running broad jump.....	KRENTEL, A. C.....	18 ft. 4 in.
440 yd. run.....	RIDER.....	63 sec.
1-4 mile bike.....	THOMPSON.....	49 sec.
Hammer throw.....	BECKER.....	65 ft.
1-2 mile run.....	TRACY.....	2 min. 44 sec.
Run, hop, step, jump.....	KRENTEL, A. C.....	38 ft. 5 in.
Pole vault.....	EWING.....	8 ft.
1 mile bike.....	THOMPSON.....	3 min. 45 sec.

Local Field Day. 2

May 1, 1896.

W. H. Vanderhoef, Manager.

100 yd. dash	PARTRIDGE.....	time 12 sec.
220 yd. dash	KRENTEL, A. C.....	time 25 sec.
1-4 mile run.....	PARTRIDGE.....	time 1 min.
1-2 mile run.....	PARTRIDGE	time 2 :40
2 mile run.....	TRACY, J.	time 5 :35
Run broad jump.....	KRENTEL, A. C.....	17 ft., 8 1-4 in.
Run, hop, step, jump.....	SEES.....	39 ft., 8 3-4 in.
Stand broad jump.....	EASTMAN	9 ft., 7 1-2 in.
High jump	LAITNER.....	4 ft. 8 in,
Shot put.....	WARREN.....	30 ft. 5 1-2 in.
Pole vault	LUNDY.....	8 ft. 1 in.
Hammer throw.....	MARSH.....	74 ft., 3 in.
Mile walk	LIBBEY	10:34
1-4 mile bike	THOMPSON.....	49 sec.
1 mile bike.....	BROWN.....	3 min. 6 sec.
Boxing.....	PORTER—MILLIS.....	draw
	VANDERHOEF—MILLER	draw
Fencing	FRANK YEBINA.....	
Wrestling, Featherweight	ELLIOTT—DIBBLE	
Lightweight	GREEN—COREY	
Welterweight	LAITNER—LOWERY.....	
Middleweight	REDFERN—WOODWORTH.....	
Teams	LAITNER—WOODWORTH—ELLIOTT	
	GREEN—REDFERN—COREY	

Michigan Intercollegiate Athletic Association.

DIRECTORS.

A. M. FLAGG,	President, Olivet
F. W. GREEN,	First Vice President, Ypsilanti.
B. A. BOWDITCH,	Second Vice President, M. A. C.
H. C. JACKSON,	Third Vice President, Kalamazoo.
P. W. CHASE,	Secretary, Hillsdale.
J. O. WHITE,	Treasurer, Albion.



Athletic Association Officers.

JOE MERKEL,	President.
H. L. BECKER,	Secretary.
L. CHAPMAN,	Treasurer.
B. A. BOWDITCH,	Director, M. I. A. A.
I. L. SIMMONS,	Captain Athletics.
PROF. H. K. VEDDER,	Base Ball Manager.
C. F. HERRMANN,	Ass't Base Ball Manager.
D. J. CROSBY,	Captain Base Ball Team.



M. I. A. A. CONTESTS—1896.

CONTEST, 1896.	WINNER.	COLLEGE.	RECORD.
100-Yard Dash	Ewing	Olivet	10 2-5 sec.
One-mile Walk	North	Olivet	7 min. 45 sec.
Five-mile Bicycle	Peck	Albion	14 min. 18 sec.
Running Broad Jump	Cole	Albion	20 ft. 7 in.
Putting 16lb Shot	Jacobs	Albion	34 ft. 7½ in.
Pole Vaulting	Ewing	Olivet	9 ft. 6 in.
One-mile Bicycle	Peck	Albion	2 min. 29 sec.
One-fourth mile Bicycle			
220-Yard Hurdle	Laitner	M. A. C.	29 sec.
Standing Broad Jump	Flagg	Olivet	9 ft. 9¼ in.
One-half mile Run	Gilbert	Kalamazoo	2 min. 6 1-5 sec.
Running High Jump	Whitney	Hillsdale	5 ft. 4 in.
220-Yard Dash	Stroebe	Kalamazoo	24 1-5 sec.
One-mile Run	Gilbert	Kalamazoo	5 min. 6 sec.
Throwing 16lb Hammer	Flagg	Olivet	89 ft.
One-fourth mile Run	Stroebe	Kalamazoo	52 1-5 sec.
120-Yard Hurdle	Cole	Albion	18 2-5 sec.
Relay Race		Kalamazoo	3 min. 39 2-5 sec.
First All Around	Cole	Albion	
Second All Around	Flagg	Olivet	
Running Hop, Step and Jump	Hayne	Kalamazoo	43 ft. ¾ in.
Horizontal Bar	Whitney	Hillsdale	
Running High Kick	Whitney	Hillsdale	9 ft. 2 in.
Club Swinging	Howe	Albion	
Feather Weight Wrestling	Dibble	M. A. C.	
Middle Weight Wrestling	Tucker	Hillsdale	
Light Weight Wrestling	Howe	Albion	
Welter Weight Wrestling	Tucker	Hillsdale	
Heavy Weight Wrestling	Becker	M. A. C.	
Tennis Singles		Albion	
Tennis Doubles		Albion	
Ladies Tennis Singles		Hillsdale	
Ladies Tennis Doubles		Hillsdale	
Base Ball		Hillsdale	



TRACK TEAM.

FIELD DAY RECORDS—1895.

CONTEST FOR 1895.	WINNER.	COLLEGE.	RECORD.	BEST AMATEUR.
100-Yard Dash	Speare	M. A. C.	10 2-5 sec.	10 sec.
One-mile Walk	North	Olivet	7 min. 54 sec.	6 min. 52 4-5 sec.
Five-mile Bicycle	Rork	M. A. C.	14 min. 32 2-5 sec.	
Running Broad Jump	Cole	M. A. C.	19 ft. 6 in.	22 ft. 11¼ in.
Putting 16lb Shot	Fisher	M. A. C.	34 ft. 10½ in.	42 ft.
Pole Vaulting	Alger	Albion	8 ft. 4 in.	10 ft. 10½ in.
One-mile Bicycle	Peck	Hillsdale	2 min. 34 sec.	
One-fourth mile Run	Partridge	M. A. C.	54 sec.	50 sec.
220-Yard Hurdle	Dunster	Albion	30 2-5 sec.	25 1-5 sec.
Standing Broad Jump	Cole	M. A. C.	9 ft. 10 in.	10 ft. 8 in.
One-half mile Run	Partridge	M. A. C.	2 min. 8 2-5 sec.	1 min. 57 1-5 sec.
Running, Hop, Step and Jump	Cole	M. A. C.	41 ft. 2 in.	
220-Yard Dash	Speare	M. A. C.	24 2-5 sec.	21 4-5 sec.
One-mile Run	North	Olivet	4 min. 48½ sec.	4 min. 26 4 5 sec.
Throwing 16lb Hammer	Flagg	Olivet	87 ft. 11 in.	12 ft. 9 in
One-fourth mile Bicycle	Tock	M. A. C.	36 1-5 sec.	
Running High Jump	Whitney	Hillsdale	5 ft. 6 in.	6 ft. ½ in.
120-Yard Hurdle	Cole	M. A. C.	18 sec.	15 4-5 sec.
Relay Race		Albion	3 min. 41 1-5 sec.	
First All Around	Cole	M. A. C.		
Second All Around	Bateson	M. A. C.		
Base Ball, 1895		Ypsilanti		

Base Ball



PROF. H. K. VEDDER, - - - Manager.
C. F. HERRMANN, '97, - Assistant Manager.
D. J. CROSBY, - - - Captain.

A. C. KRENTTEL, '98, - -	Catcher	F. V. WARREN, '98, - -	Pitcher
D. J. CROSBY, - -	Center field	R. M. OSBORNE, '99, - -	Pitcher
F. J. KLING, '98, - -	Short stop	A. B. KRENTTEL, '98, - -	1st base
J. D. McLOUTH, '97, - -	3d base	L. BROWN, '98, - -	Right field
A. C. CLARK, '99, - -	Left field	C. H. ADAMS, '99, - -	2d base

RECORD.

APRIL 11—At Hillsdale.
Hillsdale, 4. M. A. C., 1.

APRIL 18—Albion at M. A. C.
Albion, 31. M. A. C., 5.

APRIL 25—Michigan Military Academy at M. A. C.
M. M. A., 15. M. A. C., 10. (7 innings.)

APRIL 27—Olivet at M. A. C.
M. A. C., 15. Olivet, 8.

MAY 9—Kalamazoo at M. A. C.
Forenoon, Kalamazoo, 18. M. A. C., 16.
Afternoon, " 10. " 9.

MAY 16—At Albion.
Albion, 12. M. A. C., 1.

MAY 18—At Olivet.
M. A. C., 16. Olivet, 13.

MAY 20—At Michigan Military Academy.
M. M. A., 9. M. A. C., 7.

JUNE 5—At Albion.
Normal, 12. M. A. C., 4. (Forfeited.)

JUNE 6—
Olivet, 19. M. A. C., 1.

M. A. C.



I

A student slipped into the chapel,
And sat down in the Junior row.
He was quiet and unpretentious,
But we told him he'd have to go.

II

Some one said in a whisper
"Freshman on t'other side"
Another fellow suggested
"That we'd have to give him a ride."

III

Just then the Psalm was announced
And as he kept his place,
By nods t'was generally passed around
That we'd have to tend to his case.

IV

He followed us 'round to classes
Listening all the while
To lectures, which we Juniors
Had long since dubbed "a trial."

V

He walked behind the little groups,
As we loitered from class to class,
And heard us brag of the "bluffs" we'd work
In order to make a pass.

VI

He appeared on the "Hort." that afternoon.
We agreed that this was our chance,
For if any one's seen a Freshman work,
He can pick one out at a glance.

VII

We all went out to the cherry tree
 And came back to find him at work.
 We laid us down in a shady spot,
 But we couldnt make him shirk.

VIII

At last the three-thirty rung,
 And while strolling in at our ease,
 We plied him with many questions
 And his answers were something like these.

IX

"Yes fellows, I was here once before,
 'Twas just before you came, I believe,
 I'd have finished my Junior year
 But money got scarce, and I had to leave.

X

"Like it here, well I should say I did,
 I've worked the farm early and late.
 Thought I might get back some time,
 And climb the 'Hill from the Gate.'

XI

"Work like a Freshman? Well perhaps,
 But I used to think the work tough
 Used to say mean things of the Profs.,
 And lay the State Board out rough.

XII

"But when I went from here,
 And thought of the times I'd had
 I found I liked the old College,
 And wanted to get back right bad."

XIII

He sits with us now in chapel
 Just as he did that day,
 For now he is one of us
 All feeling is wiped away.

XIV

But few can forget the lesson
 He taught us that afternoon,
 For many of the boys now feel
 That college days end to soon.

XV

We love our home and country.
 Who would not, were he a man,
 But the scenes of our college life,
 Replace them if you can.

XVI

Within our rooms are pictures
 Scattered around the wall,
 Of the boys who gather with us
 At the drill-ground, farm, and hall.

XVII

Some come from distant lands,
 From homes across the sea,
 But they'll always be our friends;
 They were with us at M. A. C.

XVIII

And if by home or country
 We are bound by a kindred tie,
 We are always bound still closer
 When college bonds underlie.

XIX

I sometimes think of the teachers
 Whom we've put to needless pains,
 By suggesting what we'd do
 If we only had the reins.

XX

When their names go in the "Record,"
 They're followed by titles high
 But when the students speak them,
 It's simply Dock, Pete, or Cy.

XXI

You hear us speak of the College
 As though we thought it a bore,
 But whenever we leave the halls
 We're glad to get back once more.

XXII

For we love the Farmer's College,
 Though we'd sometimes like our way:
 You'll find us loyal students
 In the nine short months we stay.

XXIII

And when from its doors we're passed,
 Scattered to the four winds of Heaven,
 You'll find no more loyal Alumni
 Than the boys of ninety-seven.

"Rah, Rah, Rah! Rah, Rah, Rah!
Ninety-seven, Ninety-seven,
M. H. C.!"



Out they rushed like a herd of wild cattle,
But quickly assembled to the sound of their call,
And soon they had fought the liveliest battle
That was e'er remembered, in front of Wells Hall.



This was the cry that roused all the Freshmen,
And forth from their rev'ries on secants and segments,
They rushed to encounter opposing classmen,
Of whom, they had vowed, they 'd leave nothing but fragments.

The excitement was caused by the class of ninety-six.
Assembled around the chemical Lab.;
They thought the Freshmen were in a fix,
So they'd be safe to stand and gab.

But the Freshmen knew just what to do,
A battery upon the knoll they formed,
That everyone but the Sophies knew,
Could not e'en by their noble braves be stormed.

Each class a living wedge,
Was now well formed and flying,
Then a crash like a falling ledge,
And then the groans of the dying.

And now a mighty wrestle began,
"Ninety-six, help!" "Come ninety-seven!"
Each tried bravely to down his man,
But the Sophs were not a football 'leven.

Now the hose is unwound!
The battery opens!
And the Sophies soon found
They were getting bad soakins.

Soon ninety-six, far famed for cleanliness,
Growing tired of such excessive ablutions,
Began to assume such heavenliness,
That they'd allow peace in the institution.

Then up came Soph with blood in his eye,
A club in his belt and knives in both hands,
Prepared, if need be, ready to die,
And he slashed the old hose to reduce it to bands.

But with Freshies on top,
The Soph the hose hugged,
And like a wet mop,
The holes he well plugged.

'Twas a battle royal in those two hours,
And as homeward now they were ready to start,
Though he might have upon him the wrath of the powers
Each felt that he had performed his part.

Then all joining hands, thus forming a circle,
Down into the hollow went dancing around,
And sang college songs that would wake up a turtle,
Till the halls again and again did resound.

Again ninety-six knew not what to do,
But ninety-seven the nozzle plied,
Till 'twas perfectly clear that their *Water-loo*,
Ninety-six had met from the hose fast tied.



The Scrap

'T WAS Friday eve, and all was still,
Untrampled stood the blooming flowers,
The fountain threw its silvery spray,
As onward swept the evening hours.

But nature's rest was doomed to break,
For at the cry of "ninety-eight!"
And "ninety-nine!" "where 's your cap?"
The sleepy freshman left his nap.

With shouts and cheers from out the doors,
Comes ninety-eight in class array,
With stolen yell of Sophomores,
The Freshmen also formed for fray.

Then from the hills the echo came,
Of yells from both the classes given,
'Till down the slopes with might and main
They rushed, to fearful combat driven.

The fight, though fierce, did not decide;
Yet Freshmen numbered two to one,
And bloodier yet became the tide,
Before the victory was won.

Hark! what means that piteous cry?
Oh, take me not! Oh, let me be!
I cannot, cannot, must not die,
But Sophs heed not his prayerful plea.

They put poor Freshie in the fount,
Soon others follow after him,
Among them go few luckless Sophs,
Who scrap the Freshies in the swim.

The struggle deepens. On ye brave!
Rush at yon Freshmen on the run,
Wave ninety-eight! your glories wave,
Your task is done, your fight is won.

Brave boys! outnumbered two to one,
Your duty surely you have done,
For all who tell your history,
Can truly claim your victory.
And ninety-eight shall e'er be praised,
Your name forever be upraised.

H. A. ELDRIDGE, '98.

XXXIX Chapter of Chronicles.

1. Lo, and it came to pass, that in the year '96 there dwelt in the land of M. A. C. two tribes; and they were called the tribe of '98, and the tribe of '99.

2. And there was much strife between these tribes, and their words were hot against each other, and much water fell upon the men of the tribe of '99 from the hands of the tribe of '98.

3. And the tribe of '98 waxed bold, and in the darkness of night defied the tribe of '99, and cried out with a loud voice, saying, "'98! '98! sis, boom, bah! M. A. C.! M. A. C.! rah! rah! rah! come out '99! come out '99! class scrap! class scrap!"

4. And the men of the tribe of '99 took counsel among themselves and said, "Let us go forth, and battle with the tribe of '98, and let us beat them down and cast them into the fountain, and let us rub their heads, that the swelling thereof may go away."

5. And the men of the tribe of '99 gathered themselves together and went forth and fell upon the tribe of '98, and threw them down and sat upon them heavily.

6. And some they lifted up and bore to the fountain and cast them therein. And of these, the first was Force, he of the quadruple expansion lungs and the high-speed jaw.

7. Now, Force was very loth to go into the water, and he bellowed lustily, but the men of '99 had no compassion on him and cast him in with a mighty splash.

8. Yea, verily, like as a frog plungeth into the pool, so plunged Force into the fountain.

9. And Woodworth, a mighty man, they also bore to the fountain, but as they were about to cast him in, the tribes rushed up and pushed hard from behind, and many valiant men of both tribes fell into the water, and there was great grief and wringing of clothes thereafter.

10. And then the two tribes stood apart and cursed each other with deep curses, and valiant men challenged each other to single combat, and these did scrap fiercely and throw each other down and cast each other into the fountain, while the tribes looked on and shouted for them.

11. And it came to pass, that the tribe of '98 grew weary of fighting, and drew away and said among themselves, "Let us have peace."

12. And they said to the tribe of '99, "Ye are good men, and brave; therefore let us be brethern, and scrap no more, and let us dwell in peace in the land of M. A. C.; for surely there is room for us all."

13. And the men of the tribe of '99, being lovers of peace, heard them joyfully, and saluted the tribe of '98 as brethren, and went their ways.

14. And to this day, peace reigneth in the land of M. A. C.

D. E. HOAG, '99.





Brand of cigars adopted by club on July 4, 1896—"Virginia Stogies."

Brand of Cigarettes, adopted Feb. 18, 1896—Cycles.

Brand of smoking tobacco, adopted Feb. 18, 1896—Peerless—Sure death guaranteed.

Reference C. P. Wykes. Furnished exclusively by Mr. Lyman Thayer of Seattle, Washington.

Smoker's Club.

W. J. McGEE,	President.
E. A. ROBINSON,	Vice President.
JOE T. BERRY,	Secretary.
H. L. BECKER,	Treasurer.
W. J. MERKEL,	Sergeant at Arms.

W. R. VANDERHOEF,	Chief Smoker.
C. H. ADAMS,	Chief Cigarette Roller.
H. A. DELAND,	Chief Pipe Swab.
H. W. FORCE,	Chief Snipe Shooter.

Adjunct Smokers.

J. N. GOODRICH,	F. N. NEWMAN,
R. W. SWIFT,	F. B. AINGER,
PHIL PORTER,	GEO. EASTMAN.

Honorary Members.

CHAS. L. WEIL,	P. M. CHAMBERLAIN.
	H. K. VEDDER.

Applications for membership—to be admitted as soon as they learn how to smoke:

HAYES BROWN.
ROBERT BUEK.

Early Rising • •



Cranks talk of early rising as a precious antedote,
For all that's non-hygienic, authorities they quote,
Beginning with creation, they say that Adam rose
From out the dust of chaos at the dawn of human woes.
And instances they cite us, since that pre-historic time,
Of men who saw the day-*break*, but preserved it in a rhyme;
Then pointing to the animals, they fairly make us squirm
Circumstantially dilating on the e. bird and the worm.
The rooster hails the sunrise with lusty challenge sweet;
The calf wakes up his mamma with exasperating bleat;
The wise and tuneful jackass makes the early echoes ring;
In fact, to brute creation, early rising's "just the thing."
But when man adopts this method and tries to reap the fruit
Of the early rising habit, he makes himself a brute;
For when he rises early he thinks it is no sin
To rouse up all the neighborhood with his diabolic din,
With hammer, nails or bucksaw, with chopping block or maul,
He makes such awful racket one cannot sleep at all.
He bangs on a piano, he tutes upon a flute,
He scrapes a shrieky violin,—to entreaty he is mute;
And if he cannot use these things he's fond of slamming doors,
And failing that, he ardently—just *stomps* about and roars.

* * * * *

Long live the man who lies in bed with happy dreams galore,
Who never wakes his bedfellow with excruciating snore.

SOL. O'MANN.

General Class Song.

Freshman Year.

To the Hort., to the Hort., there is labor for all,
Quarter bell rings, we must answer the call;
Prof. will assign us a rake or a hoe,
We'll groan out in chorus as work-ward we go:

CHORUS.

Raking on, raking on, raking on, raking on;
Let us raise a dust, let us hope and trust,
Three-thirty soon will come around.

Sophomore Year.

Let us shirk, let us shirk, as we toil on the farm,
Smith and Mumford are absent—no cause for alarm,
We will pick up our tools and work with our might,
If Fulton don't know how to keep out of sight.

CHORUS.

Junior Year.

On the Hort. we cavort, but we find it hard lines
Raking leaves, trimming drives, spraying trees, pruning vines,
Getting eight cents an hour for the labor we do,
Though seldom we're worth it is all very true.

CHORUS.

Senior Year.

No more work, no more work, now we're seniors in fact,
"We have put in our time," soon our trunks will be packed,
We will leave M. A. C. ne'er as students again,
To meet in her halls—yet we'll sing the refrain.

CHORUS.

Junior Statistics.

NAME.	NICKNAME.	BY-WORD.	AMBITION.	FAVORITE DISH.	WHY THEY CAME TO M. A. C.
Amos	Corporal.....	By gum	To be a general	Anything stronger than water....	To prepare for West Point.
Butterfield	Sec.	By gee.....	To look pretty....	Pig feet.....	To get a social standing.
Miss Champion	Dearest	Oh grief.....	To be a horticulturist.....	Ice cream	So '97 would have one lady student.
Chapin	Vanderbilt	Christmas.....	To be an electrician.....	Frankforts	To coach the ball team.
Chittenden	Tommy	Dog on it.....	To be a horse doctor.....	Strawberries picked by himself..	Reason unknown.
Dibble	Dib.....	You don't say so.....	To be a sport.....	Egg salad.....	To study about brush.
Elliott.....	Bicycle Jim...	Oh golly.....	To be a bum.....	Candy.....	To make money off M. A. C. boys.
Fulton	Robert.....	—? —!!!	To be a baggagesmasher	Crackers and milk.....	
Goodrich.....	Chippie.....	Aber nit.....	To be a farmer.....	Celery salt.....	For a special course in Rhetoric, for Noble season.
Goodwin	Bill.....	Kripes to Moses.....	To be a chimney sweep.....	Apple dumplings.....	His pa made him.
Greene.....	Darius.....		Bar tender	Milk shake.....	To sell milk shakes.
Hagadorn.....	Doc	Gads	To take his time.....	Stewed onions.....	To play tennis.
Hart	Sadie.....	Hello! Freshman.....	To be a second Dan'l Webster	Limburger.....	To dance.
Herrmann	Trilby	By jove.....	To be a bloomer tailor.....	Strawberry shortcake.....	To give his feet room to grow.
Kramer.....	Skeleton.....	Well, anyway	To be a college professor.....	Any fat producer.....	To study, also to duck freshmen.
Laitner.....	Cassius.....	Donnerwetter.....	To be a religious orator.....	Cake, right now.....	To carry cabbage, and give the M. A. C. yell.
Lowry.....	Pretty Boy.....	I'll be hornswoggled..	To be a mathematician.....	Kisses.....	To wash socks.
McElroy.....	King Cotton...	Oh mercy	To be an evangelist.....	Anheuser Busch.....	To blow in the band.
McLouth	Mc.....	I'll be gosh darned...	Lost	White cookies.....	To try to play third base.
Munson.....	Socks.....	By the hort.....	To chew the rag.....	Stale cookies.....	To play horse with the Horticultural Department.
Parker.....	Gawge.....	Has none.....	To be Sunday school Supt.	Peanuts	To look wise. To jump class tax.
Redfern	Stubb.....	Geeswhacks.....	To be a ladies man.....	Cauliflower.....	To study Civics and Psychology.
Rhodes.....		Oh sugar	To get married.....	Wedding cake.....	To entertain young ladies and borrow books.
Rigterink.....	Dutch.....	Judas priest.....	To run cheese factory.....	Sauerkraut.....	For the manual labor on the Hort.
Robinson.....	Baldy.....	Got any chewin'?	To be a dancing teacher.....	Biggest one.....	To ring the bell and get docked.
Sanderson	Sandy.....	I'll be gosh swizzled..	To be an all around athlete...	Zwei beer and a pretzel.....	To sell shoes.
Seagwick	Deacon.....	Gee whizz.....	U. S. senate.....	Side dish.....	To take up drill.
Shaw.....	Commodore...	{ Omitted for	Teacher of Trig	Pop corn.....	To orate on woman's rights.
Simmons.....	Carrot Top	{ Modesty's sake.....	Has none.....	Everything.....	To laugh at his own stale jokes.
Stocoum.....	Scorcher.....	By thunder.....	To join L. A. W.....	Mush.....	To help Elliott out.
Van Norman.....	Prof.....	Hades (abbreviated)	To be a heavyweight boxer...	Plate.....	To work Rickert's test for butter.

• • Junior Statistics. • •

Average age of the class.....21 years.
 Average weight of the class.....141 lbs.
 Average hight5ft. 6 in.
 Total age.....653 years.
 Total weight.....4,375 lbs.
 Total hight170 ft.
 Oldest man in the class.....Robinson.
 Youngest man.....Goodrich.
 Tallest man.....Herrman.
 Shortest man.....Shaw.
 Heaviest manHerrman.
 Lightest man.....Goodrich.
 Handsomest manSimmons.
 Best atheleteLaitner.
 Best natured manMunson.
 Best kicker.....Green.
 Most promising man.....Stocoum.
 Most quiet man.....McElroy.
 Funny man.....Elliott.
 Best soldier.....Amos.
 Least known manParker.
 Greatest dudeFischer.
 Ladies' man.....Van Norman.

Class crankShaw.
 Best wire pullerHerrmann.
 Most reliable man.....Sanderson.
 Most modest man.....Hagadorn.
 Most polite man.....Rhodes.
 Class grindRedfern.
 Class sport.....Dibble.
 Most useful man.....Fulton.
 Most useless man.....Butterfield.
 Most dignified manLowrey.
 Best mathematicianSedgwick.
 Wittiest man.....Goodwin.
 Cheekiest manRobinson.
 Laziest man.....Chittenden.
 Old stand-byRigterink.
 Class baby.....Goodrich.
 Most scientific flirt.....Kramer.
 Most unsatisfied man.....McLouth.
 Noisiest man.....Chapin.
 Biggest feeling man.....Hart.
 Prettiest girl, most intelligent girl,
 sweetest dispositioned girl, most win-
 ning and attractive girl, the only girl, Miss Champion.

Definition of a Pun.

If you desire to pun with impunity,
Or any one else in a peaceful community,
Take note; a pun is a paronomasia,
A horrible murder—a thing to amaze you.

A paronomasia, for those who don't know it,
Is a play upon words, below I will show it,
And prove beyond doubt to people incredulous.
It's created in minds remarkably sedulous.

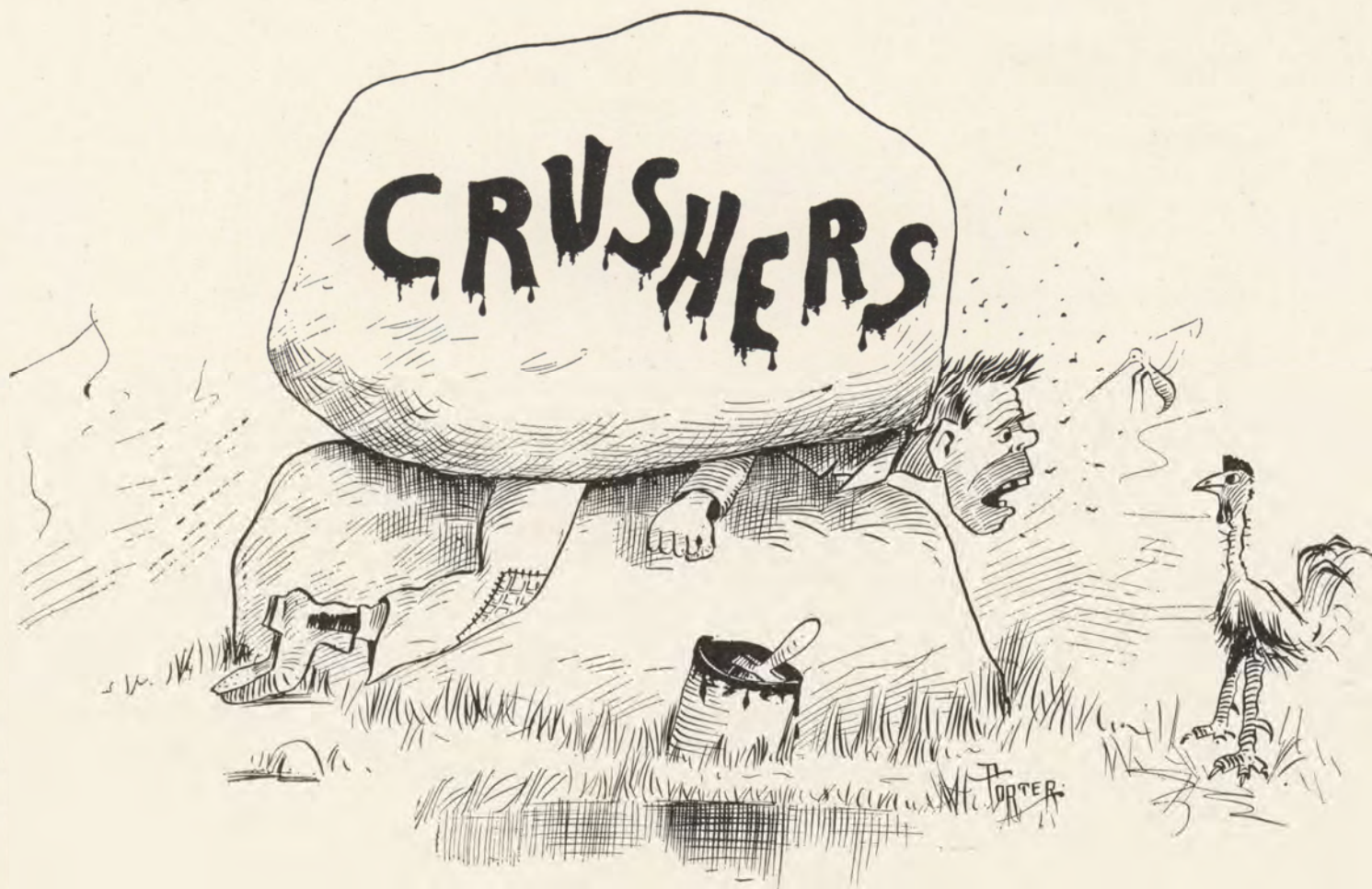
A pun, as defined, is a play on a word:
A word is a sign: It is therefore inferred
That a fire extinguisher ducking a sign
Is a pun, since it plays on the words of *design*.

SOL O'MANN.

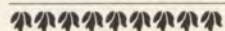
Trig.

Tune: "Beautiful Star."

Horrible trig, abstruse, abstract,
In your class my brains are racked,
Who would not give all else to prig,
Infinite rest from horrible trig,
Infinite rest from horrible trig.



The Sub-Faculty.



than the sub-faculty. Hibernating as they do in the shady nooks of Bachelor's Hall they attract but little attention, but their influence is quietly at work and generally shows itself by the price of board in the club where they most do congregate.

It is a beautiful sight to see this youthful band approach budding manhood—and there are days at a time when they do little else. To the uninitiated they may seem to have a terrible aspect in the class-room, but in reality they are as gentle as sheep. Their unrazored faces have the bloom that betokens a healthy liver and a cast-iron digestion, their little hands show the marks of the tennis racket but not the poker chip, and in their clear, honest eyes you may see botanical names, logarithms and chemical formulas, but there is not a sign of dissipation.

Their habits are gregarious, in other words they feed in flocks. When turned out on the range they inevitably find each other and we see them peacefully and eagerly taking nutriment together. It is here that many of their most peculiar and interesting habits are noticed. The dairy expert, true to his profession, explains how he skims the tuberculosis off new milk. The agriculturist

It is doubtful if there is a finer body of young men, or a lot that will weigh more to the pound

tells how he fattened six lambs until their mothers did not know them, and put mothers and all in a bulletin. The botanist tells how he discovered a new moss on the personnel of a recent farmers' picnic and the whole meal is a perfect babel of theories and results. But by far the most common topic of conversation is the bicycle. The sub-faculty were among the first users of the wheel at the College, and many of the first models brought out are still being trundled over the walks by them. While others have been experimenting on the uses of the wheel, our sub-faculty have been putting it to the practical test. The entomologist deftly catches the festive buglet as he rolls along; the horticulturalist reaches down and secures the latest fungus; the mathematician digests his logarithms and binomials, the chemist his I O_4 's and $\text{I}_2 \text{ O}_5$'s, and the assistant in English stops and gives us a sample of his wares when his tire is punctured. The library assistant wonders where he and the librarian will be when they are as old as the machine he rides, and the assistant agriculturist bends low over his bike and wonders when he'll have to borrow Professor Noble's attachment for his two-wheeled steed.

Yes, it is an interesting family, well worth your study and observation.

"They have never seen much of life, life,
Out in the big world they have never been,
Poor little *sub-faculty*."

Suggestions • •

PROF. KEDZIE AND OTHERS:

NO RIDING ON
THIS WALK.

PROF. WOODWORTH: "No
smoking on the campus."

That if the Faculty start a spelling class they
also hire an instructor of writing for themselves.

Since the chapel doors are locked, the old prov-
erb should read: "Better *never* than *late*."

MILLS: When you take a car, be sure it is
Michigan avenue and not one for Leadley's.

BROWN: Don't ask a girl to a dance until you
obtain *your* parents' consent.

PROF. SMITH: "If any of you Seniors are am-
bitious of following a certain line of work, please
leave a statement to that effect at my office."

PROF. NOBLE: "Please be careful not to make
the same errors in your essays that have been
pointed out on the board."

PROF. TAFT: "Supposing that you take a hoe
and hoe on the squashes."

INSTRUCTOR CROSBY (to Senior): "You will
please come to Freshman rhetorical class next
Monday to give your declamation."

BABCOCK'S ADVICE: "When you get sleepy you
might just as well go to bed with a firm resolve to
get up early in the morning."

BUEK: Don't smoke a cigar in company. It
may make you sick, you know.

KRAMER: When you get on the car, do not
forget to come out.

GEN. AINGER: Beware of the water pitcher
when it moveth itself aright.

AUSTIN: It's best not to guide more than one
girl at a time.

"DON'T PICK THE FLOWERS OR
DISTURB THE FROGS."

Overheard in the Dormitories.

Study Hours! ! !

FIMPLE—"Mr. Force, if I ever see you rolling that 60-lb. dumb-bell down the stairs again, I'll report you."

MR. FORCE—"O, please don't do that."

THOMPSON TO MILLIS (in Dormitory)—"What is that scraping noise? Is some one skating on the roof?" "Oh, no, that is Judson shaving in my room." (Before Judson uses an ordinary razor he should use a beard razor.)

A familiar phrase heard over the Abbot Hall telephone is, "Hello, Sadie! Is this you? Well, this is Herbert at the College."

DELAND (rushing out in the hall, the night of the night-shirt parade) — "Who are you?" "I am President Snyder, and you better go to your room."

VANDERHOEF TO LIBBEY—"Lend me a collar, will you?"

When the janitor comes through the hall and sees a large pile of dirt, he generally concludes the Force has swiped.

GOODRICH TO FORCE—"Did you go to field day?"

FORCE—"I really don't remember."

"Wonder why Richmond could not see the ditch in back of the hall?" "It must have been dark, George."

ROB (entering Meaux's chair)—"Give me a hair cut and shave."

MEAUX—"I'm working by the hour now-a-days."

'99 TO SENIOR—"What society meets in that room that has Y. M. C. A. on the curtain?"

SENIOR—"Oh, the Natural History Society meets there."

Mr. Herrmann was walking along the hall one evening, and as he passed by a Freshman's room, whose door was open, he saw three fellows sitting in there and yelled "Hello, Freshmen." As he glanced the second time he recognized one of the most dignified members of the faculty. Mr. Herrmann did not pass in.

C. K. CHAPIN.

"Love in the dark."

UP IN WELLS—"Hurry up and deal the cards, boys, or we'll be late for Y. M. C. A."

BUEK TO REDFERN—"Don't you want to subscribe for the Evening Press, old man?"

S. J. R.—"No, can't afford it, but will take a copy, as I always like to have one when I go riding with my girl."

Gossip.

T 'is said that when Chapin was camping down at Pontiac with a party of about thirty, he one morning cooked and ate all the steak for the whole party. It was not a *mis*-take; simply a *beef*.



Detroit boy while home: "Say, dad, I don't want to go to M. A. C. anymore."

Father: "Why you must complete your education my son."

D. B. "Yes, but out there they want to teach me a lot of things I don't know anything about."



One night when Jewell had company to supper he, absent mindedley, locked himself out. As he always keeps his room securely barred, he was obliged to smash a window. The boys were all very sympathetic.

"After the Ball."

To class tax,	\$4.50
To shave, haircut, and shampoo,	.60
To flowers,	1.00
To new patents,	6.00
To pressing and cleaning suit,	2.50
To carriage,	4.00
To supper,	1.00
To lunch,	.25
To class tax,	.50
To class tax,	.35
To class tax,	.20
To class tax,	.10
To doctor,	4.00
	\$25.00

To Albion—Score 30 to 5.

—A JUNIOR.

**As Shakespeare Would Have Divided the
College Course.**

Freshman, "Comedy of Errors."
Sophomore, . . . "Much Ado About Nothing."
Junior, "As You Like It."
Senior, "All's Well That Ends Well."
Co-ed Course, . . . "Taming of the Shrew."
Faculty Penmanship Class, "Measure for Measure."



Wanted.

A member of the Senior class to take up thesis work on "The best method of inducing a luxuriant growth of hair." The undersigned will pay liberally for conscientious work.

Signed,

L. R. TAFT,
FRANK KEDZIE,
BALDY ROBINSON,
H. E. SMITH,
DAD CONWAY,
J. C. NICHOLS.



On the Campus.

It seems very appropriate to see Mr. Munson going around with a card pinned to his back, reading, "Pest of Orchard and Garden."

Lieutenant Rhodes, in battalion drill, having marched his company too far in advance, wishes to move them back. "Backwards, right dress, forward march!"

Taft, Jr., seeing Robinson coming down the walk, yells "Hello, papa!"

CORPORAL TO '99—"Straighten up!"
'99—"Can't! Just broke my suspenders."

H-S-E-I-N (after the hop)—"What's the use of walking so fast, I sprained my ankle this morning."

SHE—"Why, Mr.—, you should have had a carriage this evening."

(H-s-e-i-n suddenly sees the car starting and sprints to stop it.)

Prof. H. P. G. is reading over the lesson, preparatory to assuming Prof. Taft's duties. From above—"H-e-l-l-o, H-a-r-r-y!" (a minute elapses) "H-e-l-l-o, H-a-r-r-y!" (a minute elapses) "W-e-a-r-e re-ad-y, H-a-r-r-y!" Harry runs upstairs.

After a base ball game. Freshman to base ball manager—"Why, Charlie, you don't look like a very Wel(l)man this morning." "No, I'm not, but I'm Her(r)man(n)."

John E. Woodbridge Tracy one Monday afternoon stood *straining* (?) himself in lifting an empty pail. Mr. Gunson (to co-eds) — "Well, John always is a little weak after Sunday."



Authorities.

AINGER—On umpiring.

PARTRIDGE—On co-eds.

YOUNG—On politics.

VAN AUKEN—On fencing.

GOODRICH—On sparrows.

PROFS. BOYER AND PERRY—On Hort.

VAN NORMAN—On dairying.

WOODWORTH—On art of ducking.

BECKER—On playing rough house.

Why is Rob like a cat? Because he is fur (far)
from one end to the other.

Why do the fellows go in swimming when working
on the farm? For *diver's* reasons.

Why do they come out on the bank again? For
sundry reasons.

What makes the Sophie look so white,
And gaze around as if in fright?
He only let in too much light.

MIKE. RO. SCOPIC.

What makes the Sophie want to swear,
And think of going on a tear?
That horrible smudge he cannot bear.

K. E. MICS.

What makes the Sophie pine,
When he has found the line?
He's got to get the sine.

TRIGON O. METRY.

Who do the Sophies all desert,
And ever do his feelings hurt?

THE FRESHMAN.



Club News.



A TYPE.

Her laugh was merry, her eye was bright,
She was just as sweet as she could be,
And the Lansing boys didn't think it right,
That she was a co-ed at M. A. C.



Sobemukoff to Rhodes, who is eating strawberries—
“You remember that patriarch of the children of Israel,
who slew three thousand men with the jaw bone of an
ass? Here's a man doing the same to strawberries.”



Please pass the cookies.—Fimble.



RECORDS.

	BEFORE.	AFTER.	
Chapin,	145	150	} Supper.
Hankinson,	161	161 1/2	
Lowry,	152	155	
Rob.,	160	170	

An antiquated '96 yell—

“Boo! hoo! hoo! we're in a fix.

We don't want to go home—'96!”



FROM EXAMS.

At teachers exam:

Question—What is $\frac{1}{4}$ of 1-16?

Clute writes—“It can't be did.”

Exit it with bottle of Paine's Celery Compound.



IN HORT.

Question—What insecticide should be used for biting-
insects.

Answer of most papers—Bordeaux mixture.



EXAM. IN HAMLET.

Question—“What period of time elapsed between the
death of Hamlet's father and the opening of the play?”

Herrmann writes—“Only about a month, because
Hamlet's father hadn't had time to earn his way out of
purgatory.” !!!

Switzer Club



Chief Boozer, SCRAPPY LAITNER
Foam Slinger, GULF KRAMER
Sectional Divider of the Cheese, . VANDERHOEF
Head Cork Puller, . . . ELLIOTT (Old Fritz)
Assistant Mugcleaner, . . . MICKY DELAND



Boozers.

SERGT. HART, PROF. VAN NORMAN,
SHAW, ELDER LOWRY,
FULTON, D. D., . . . DEACON GREEN.



Honorable Past Grand Boozer,
SWIZ FIMPLE.

How You May Know a Freshman.

YOU may think it is difficult to distinguish a Freshman, but it is not. Even a Sophomore, who has hardly gained a residence here can spot them—in more ways than one—and can give a most vivid description of them in Sophomore language.

Are they of angelic origin? You might get that idea by their large representation in the night-shirt parade and manner in which they floated out of Prexy's view, except one who, poor fellow, was caught in the tender embrace of his majesty, and not even allowed a chance to blow his beloved *B^b* cornet. And dark was the night that colonel received an informal introduction to President Snyder on second floor of Williams Hall.

Are they "a little lower than the angels?" Judging from the way in which that tall, blonde youth—Nevins—wanders toward the hospital, they are. Or judging from the large number that had an "after the 4th" appearance, some fair maidens must have been deluded in thinking that Freshmen are noble creatures.

One Freshman, as he steps into the box to deliver one of those mighty left hand drops, you can always tell by his red lips, redder still, kissed by strawberries from off the Hort. Another, Christie, you can tell by his large

head lately swelled by the gleanings from his new Johnson's Ency.

A sign on the Hort reads "Paris Green, Poison." Boyer read before you eat and thus save further applications of pain-killer and ginger tea.



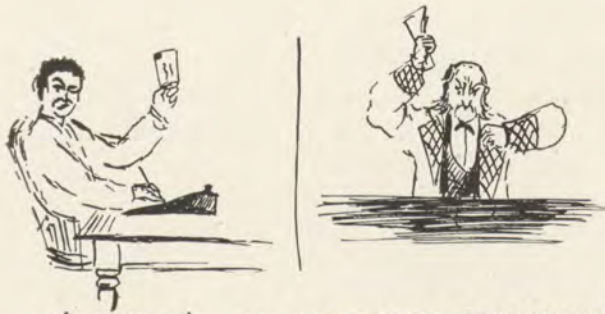
You can tell them by their walk; if you doubt this, walk down to drill with Libby when he is five minutes late.

Watch the smoke as it rolls toward yon heavens, and do not mistake it for the engine on the Grand Trunk Express—its only Russel's pipe.

Who was it in the recent days of stock judging that fearlessly stood and watched the approach of the maddened bull, and saw the feet of the remaining stock-judges disappear over the railing of an eight-foot board fence? It was no one but our own swarthy Boyer. By this it can be plainly seen that you can tell them by their bravery.

By these few mentioned characteristics it is evident that a Freshman on the M. A. C. campus can be easily recognized.

DEWEY, '99.



X Letter to pa concerning money matters.

The following letter was recently written by one of the boys to the folks in Slippery Elm Corners. While Aunt Jerusha read the letter Uncle Josh sat near to hear how his hard earned dollars were being used by Zebediah down at the agricultural farm. It began as follows.

DEAR FATHER AND MOTHER.

"It has been some time since I wrote you but have been busy. New Prex. here this term. Exams are on, my regs were low, flunked lab work and have had to bone mighty hard."

"Say Jerusha," said the old man with a proud air, "Aint he gittin that furren language down fine? That's French I reckon."

"Today," the letter continued, "Prof. Woodworth gave me a goose and as I went up the steps his brother gave me a duck."

"Why, sakes alive" said the old lady, "what nice boys

they be. I'm just going to have Zeb. bring home a Chinese gander if they give 'em away like that."

"We have no co-eds here yet," she read on, "but next fall Abbot Hall is to be fixed up and we expect about a hundred hens."

"My land," said Aunt Jerusha, "won't that be nice? They'll have to be all-fired careful though. I'm going to tell Zeb if he has anything to do with 'em to sprinkle their wings with sulphur and keep them in nights. If there's anything in the world bad for hens, young or old, its night air. Say Josh, you remember that time our hens were scared by them Pesky school boys—six of 'em died—I'll bet they'll have the same trouble down there tew."

"Field day is coming on now," the letter said, "and all is excitement. I have learned to fence and next week I fence a Jap."

"Cur'us aint it," said the old man, "how this new generation is pronouncing words. Well he can call it jap. or gap, I have a jap about two miles long on that back so he can fence—but read on Jerusha."

"And," the letter continued, "I threw the hammer 89 feet."

"Land of livin'," exclaimed aunt Jerusha, "he must of been putten down carpet."

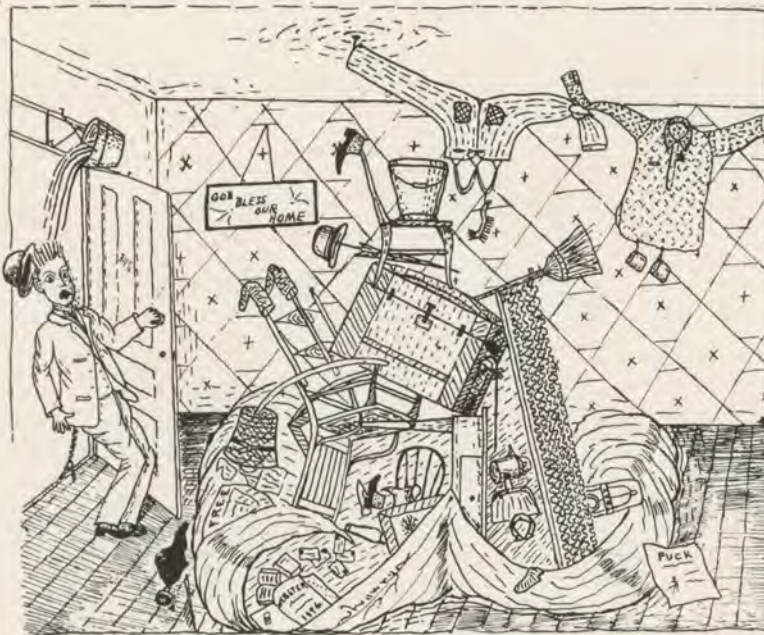
"Well I must close," the letter read "have a pony to get out and a stack to make before I go to bed. Love to all.

ZEBEDIAH C—(For Corntassel.)

"Well" said the old man musingly, "one thing is certain there's no danger of Zeb's forgettin about the farm by the way that letter reads. If they had a course for gals there, I'd send Amanda down as soon as she finishes the fifth reader."

Rules for Sophomore and General Stacking of Rooms.

1. Floors to be properly covered with litter. Sweepings of the dust box to be put on the stack. Each room orderly will be held responsible for leaving his transom open.
2. Beds to be placed as base of stack, folding beds open.
3. Wash basins and pitchers to be placed on top of stack. Buckets, filled, to be hung over the doorway.
4. Books, papers, etc., to be neatly placed among the bed clothes.
5. All other articles to be properly stacked.
6. The stack and all articles thereon to be properly watered.
7. Closet doors to be open and all articles therein to be properly placed on stack.
8. Shoes to be filled with mucilage.
9. Soiled clothing to be taken out of bags or baskets and put in part of stack especially appointed for the purpose.
10. Carpet to be torn up and corners tied above stack.
11. The stack to be properly sprinkled with all ink obtainable.



What They Say.

PREX: "Boys; if I had known there was a newly married couple around the grounds, I would never have come out that night, never!"

DR. KEDZIE: "You may stop there."

DR. BEAL: "If you expect to rate high in class, do not expectorate on the floor."

DR. EDWARDS: "If one of those little hats will hold all a woman's brains, what is this race coming to?"

PROF. VEDDER: "Its in my notes, so its right."

PROF. TAFT: Ah, ah, ah, ah, ah! As a rule, it is preferable, perhaps!

PROF. SMITH: Allow me to expatiate.

PROF. WOODWORTH: "Thank you," when he is pleased with a reply. "Or rather," when the answer is wrong.

PROF. NOBLE: "That is sufficient."

PROF. WEIL: "This, that, and what not."

PROF. CHAMBERLAIN: "Ah, Mr. Newell, will you please turn that wheel up there? I don't want to soil my hand."

PROF. HEDRICK: Smiles and laughs a laugh which makes a fellow feel that someway the joke is on him.

LIEUT. LEWIS: "Yes, that's all right."

PROF. HOLDSWORTH: "I think we will have an exam. to-morrow. It will be a stiff one."

Records

Held by

'97

Running broad grin	Goodrich	Distance 11 19-21 inches.
Mile bicycle race	Herrmann	Time, 2 hours.
Sitting broad kick	Chapin	25 a minute.
Pie eating contest	McElroy	15 in 30 minutes.
Noise-maker contest	Goodwin	250,000 vibrations per minute.
Farm work jumper	Elliott	3 times per week.
Shop work jumper	Parker	2 times per week.
Y. M. C. A. meetings	Lowery	Never missed one.
3-mile walk, Lansing to College	Hart	Time, 1:30.
Long distance duck	Laitner	Distance, 117 feet, 9 inches.
Cross country run to Centerville and back	Dibble	Time, 48 hours.
Calling on his girl	Rhodes	Eight times a week.
Standing mile walk	Redfern	Time, 6 hours.
High kick in Hort. class	Munson	Record, goose egg.
Flying trip to Allegan county	Rigterink	Time, 18 days.
Irish "hoe-down"	Amos	Record, two by moonlight.
Small hayseed	Shaw	Distance, 4 feet, 11 inches.
Strawberry eater	McLouth	1 quart per minute.
Grand Ledge and return	Dibble	Record, twice a week.
A lone Champion	Sadie	Of '97.
Quoit pitching	Hagadorn	Score, 1 to 16.
Early rising	Van Norman	9:15.
Cast a shadow	Kramer	16 ft. x 3 in. Time, high noon.
Shorthand	Butterfield	2 words per minute.
Editor-in-chief	Sanderson	1 joke a week.
Baggage slinger	Fulton	Time, I. O. O. F. picnic.
Six pecks green apples	Chittenden	Time, a moonlight night.
Bell ringer	Robinson	Time, all hours.
Milk Shake	Green	17 vile concoctions per minute.
Time killer on Hort.	Stocoum	Time, 2½ hours.
Song prayer	Dea. Sedgwick	Time, 1 hour.
Stale jokes	Simmons	All the time.

Pine Lake Pleasure Club. ♡



Chief Sailor,	-	-	VANDERHOEF
Coachman,	-	-	GEO. WILLIAMS
Bait Digger,	-	-	FORCE
Life Saver,	-	-	GOODRICH
Keg Carrier,	-	-	MERKEL
Chief Snake Chaser,	-	-	KRAMER

• Members. •

LIBBY,	NEWELL,	PASHBY,
HOYT,	CHACE NEWMAN.	



Ladies' Mutual Benefit Association.

President—MRS. CHAMBERLAIN.

Toastmaster—PROF. W. P. BABCOCK, JR.

Members—Terrace ladies.

Object—To persuade the Board to remove the woodshed.

Advertisements.

For Sale: 187 pounds of green sage—CLUB A.

New Patent Idea, guaranteed to rid you of bugs: Sleep in a different bed every other night.—BOWDITCH.

Lessons in Tennis—HERRMANN.

We solicit advertising—KRAMER & GOODRICH.

MR. BUEK—What does alienated mean?

MR. CONWAY in charge of exam.—“Mr. Buek have you never been alienated.

MR. PARKER, translating: Buttersaure findet sich als ein Bestandteil des neutralen Fettes Butyrin—“Butyric acid finds itself a constituent part of the neutral fat of butterine.

GOODWIN, translating—Hat er schon seine Steifel an gezogen—“Has he already commenced his battle?”

FATHER of Van Norman's best girl to Prof. Smith: “Can you tell me where I can find Prof. Van Norman?”

PROF. SMITH—Prof. Van Norman? Let me see. Why, there used to be a freshman swipe in the Ag. Lab. by that name, do you mean him?”

Not to be Read by the Faculty.



PROF.: "We started off on a Gallup; we found we were going too fast, we will have to slow our pace."



A prominent member of the faculty had a guest to dinner one Sunday, and before dinner he said grace. After he had done so his little boy spoke up, "Why don't you do that every day, papa?"



PROF. H. TO —: "I find that you are an absolute failure. You may go out in the hall and see if you can draw your breath."



DR. K. (arranging class in alphabetical order: "Is Mr. Lapham in the class?"

LAP.: "Here I am."

DR. K.: "Well, *Lap* right over here."

GREEN entering class late.

DR. K.: "Ah, Mr. Green, you're getting ripe rather slowly this morning."



MR. GUNSON introduces J. E. W. Tracy to member of State Board.

MR. G.: "Yes, we have had five Tracy brothers here."

MEM. ST. BD.: "That's just the kind of families we need more of."

MR. G.: "Oh! well, you wouldn't say so if you knew this man John!"



STOCUM, tardy in chemics.

DR. K.: "Well, Mr. Stocum, its rather Slo(w)cum this morning."

HORT. QUES.: "What is the original home of the apple?"

ANS.: "Garden of Eden."

Instead of writing a puff for the paper, as some expected Professor B. would do for the meeting of the State Academy held at the College, he sent into the dining room with his compliments, a puff-ball still well loaded with dry dust, "Here is your puff."

On seeing a woodchuck's hole while members of the State Academy of Science were meeting in the College woods, one member called attention to a statement made a few years ago in a report by L. H. Dewey regarding fox holes in Northern Michigan. He said some of them on gravelly ridges stuck two feet up out of the ground.

A visitor with an economic turn of mind, thinking to do the professor of agriculture a kindness, suggested one

point for use in lectures on farm economy. "You could import some of the surplus non-producing oil wells from Indiana and cut them up for post holes according to length needed." "Yes," said Professor S., "thank you for the suggestion, no doubt we could get them at *whole*-sale and make a fine thing out of it, not only for the College, but for the *whole* neighborhood."

OUTLINE OF A LECTURE IN STOCK FEEDING.

Silos—Salting.

Salt never used by a professor at Cornell.

Cornell foot ball.

Foot ball kick-off by Dr. Hughes.

Dr. Hughes, author of Tom Brown at Rugby.

Rugby, Eton, Cambridge and Oxford.

English and American universities.

(Time to close.)

"Professor, how much *salt* would you feed a cow?"

Comments on the Y. M. C. A. Handbook.

"If you are a musician bring your instrument." But how incompatible with—"noise during study hours, is undesirable."

"Students have charge of the government in the halls."—Especially when there is a class scrap on hand.

"Always keep your room neat and tidy." Never play rough-house.

"Do not fear examinations." ! ! !

"Attend chapel week days." How about Sunday?

"Often write home," especially if that is where *she* lives, and of course then you will. "Go to Lansing only when necessary."

"Increase your pocket money by special work." You'll get rich by picking strawberries on the Hort. at two cents a box.

"Carry with you a pleasant face." If you haven't one, walk with a co-ed.

"Touch not, taste not, the fruit of the pear orchard." In fact the pears haven't been extra good the last couple of years, but the apples, cherries, peaches and plums are prime. Don't forget them.

Notes on the M. A. C. Catalogue.

"Astronomy.—The college possesses a sextant, an altitude-azimuth instrument, and a 5½ inch telescope." Yet a Senior recently inquired what that little white house (observatory) over by Prexy's was.

"Armory and *Gymnasium*.—The drill hall of the armory serves also as a gymnasium. The gymnastic apparatus is so arranged that the floor is readily cleared for drill." This is very easily done because there is no gymnastic apparatus. The students purchase their own apparatus, and generally hire a trainer for a few weeks in the spring, but none of the work—except wrestling—is done in the armory.

"Military Science."—What is it?



First Week. ♣

Said '99 to '99:

"This labor system is surely fine,
I don't see why the Sophies whine,
For it surely keeps them right in line,
With labor questions every time."

Third Week. ♣

"Did you hear Prexy say,
That we must work on labor day?"

Seven Wonders of M. H. C. ♣

Van Norman's mustache.
Van Auken's pitching.
Herrmann's farm shoes.
Dr. Kedzie's puns.
Lowry's "cream-shakes."
Christensen's love for the girls.
Stocoum's bike-riding.

It's Not a Fact, But They Say: ♣

Delts go to Y. M. C. A.
The Hughes boys will marry sisters.
The boys are glad of the co-ed. course.
Foreman can pitch ball.
Lewis can sing tenor.
Prof. Frank Kedzie went to chapel.
Herrmann has a stand in with the *Cook*.
Buek is in love.
Dr. Edwards has stopped roasting the girls.
The boys work on the farm.
Hart went home on the 4th to help his father.
Freshmen will get caps.
A Senior got 9 in geology.
Summer term's standing will be ready in a year.
The HELIOSTAT won't pay.

Report of Committee on Rules.

Beginning with the fall term the following amendments will be made to the college rules by the advisory committee.

1. Ladies will be admitted to all the different departments of the College, with the same privileges as gentlemen, save that of economic hemipterology.

2. Bloomers, smoking, and chewing gum—unless for tooth ache—prohibited.

3. Occasional recreation may be taken on moonlight evenings by singing, yelling or stacking.

4. Ladies are strictly prohibited from any such ungentlemanly practices as whistling Doris or ducking Freshmen.

5. When any gentleman student wishes to call on a lady student, he must first obtain the permission of the Faculty, sending them a written form from the lady stating that she will allow him to call.

6. When any gentleman student wishes to call on a lady student, he must first obtain the permission of the Professor of Domestic Science, sending her a written form from the lady stating that she will allow him to call.

7. No gentleman student shall call upon any lady student for more than one-half hour, nor oftener than once a month.

The following, offered by a member of the Sub-Faculty was indignantly rejected:

"Don't munky with the gurls exsept on Saturdy aftur-noons."

A recent bill on the bulletin board, reads:



ELLIOT & STOCOUM

JUST RECEIVED

NEW AND POPULAR EDITIONS OF

Taft's "General History for Children."

Vedder's "How to Adjust a Compass."

"Stories," by John G. Goodrich.

"Our Birds," by Thos. L. Hankinson.

"Art of War," W. G. Amos.

"Love," H. Edwards.

"Kerosene Engines," Sobennikoff.

"Electricity," Sprague (10 vols).

Rob's Commentaries on Acts.

NEW TWO-STEP BY F. W. KRAMER,

— ENTITLED —

"MARCH DE SQUELCH."

Brilliant Recitations. • •

Class in German—

DR. EDWARDS TO KRAMER: "Decline 'ich.'"

KRAMER: "Sing. ich, meiner, mir, mich; plu. du, deiner, dir, dich."

And the class faints.

Earnest Co-ed at a lecture in physiology—

"Now, professor, I want to ask you one thing, is the cerebellum inside the skull or outside?"

Professor Woodworth in physics—

"Mr. Tracy, what is the number of elements?"

TRACY: "I don't know."

PROF. WOODWORTH: "Make a guess."

TRACY: "3."

And the class smiled.

Final examination in engineering practice—

MR. VANDERHOEF TO PROF. WEIL: "May I have some paper to write on?"

PROF. WEIL: "Oh! have you something you wish to write?"

MR. VANDERHOEF: "I — have a few opinions to express on the subject."

Mr. Weil hands him a whole tablet.

Prof. Taft, showing the wax models of fruit to the Seniors—

SENIOR: "Professor, how do you preserve them?"

PROF. NOBLE: "Now, Mr. Krentel, don't you remember hearing such arguments by temperance lecturers?"

A. B. K.: "It is so long since I have heard one, that I have most forgotten."

Mr. Lowrey, while debating in Sophomore rhetoricals—

"When the emperor's legs had been shot out from under him, he fell to the ground."

And the class looked *veracious*.

MR. DIBBLE (examining pith of a current in Junior horticulture): "Professor, isn't this a worm?"

Professor decides that Dibble does not know that current bushes have a pith.

PROF. WOODWORTH in physics to —: "Mr. —, give an example of heat expanding substances, and cold contracting them."

MR. —: "In summer the heat expands, and thus the days are longer; in winter the cold contracts and thus the days are shorter."

Mr. Backus, while debating in Freshman rhetoricals, asserted that there were over 150,000,000 postoffices in the U. S. (Applause.)

PROF. OF ZOOLOGY: "What animals are characterized by large heads?"

JUNIOR: "The Seniors."

C. F. H. (reciting upon the ravages of the rose chafer): "One of the insects digs a hole in the tree, and all the insects that can possibly crawl in do so and eat all they can."

DR. EDWARDS: "Mr. Parker, will you give the names of the months?"

Mr. Parker gets as far as June and makes a mistake, and doctor corrects him. Mr. Parker does not hear the correction but goes on—

MR. PARKER: "Juli (you lie)."

DR. EDWARDS: "I don't know about that."

GLADDEN to Junior Hort. class after three flunks: "Is this the usual method of recitation in this class?"

ANS. FROM ALL: "Yes, sir!"

Harry looks weary.

Class in history—

PROF. TO '98: "How long after the first invasion did Cæsar make another?"

'98: "Over one hundred years."

HARRY P. G.: "What is June budding?"

MUNSON: "Budding in June."

DR. B.: "What about these beans, Mr. Becker?"

BABE: "I don't know, never asked 'em."

PROF.: "What is the distinguishing feature of an elephant?"

SENIOR: "The trunk."

SECOND SENIOR: "But, professor, the white elephant has no trunk."

PROFESSOR OF ENTOMOLOGY: "What insects have well developed mouth parts?"

ROOMER IN B. B. ALLEY: "The genus *Bighticus by-night-icus*."

DR. EDWARDS, in Shakespeare class:

"You will notice that Hamlet was ungartered (act ii, scene i; l 80) now the necktie does the whole thing."

"In fact, Hamlet was so madly in love, and came in such a hurry that he forgot to part his hair in the middle." (ibid.)

"We don't want any Ophelias, but girls that can do the servant girl work." (The reason for a course in domestic economy for the co-eds—Ed.)

"If there is any living girl that could stand that ordeal (Hamlet, act ii, scene ii; l 20, etc.) and act so, the quicker she goes to heaven the better."

"The *dying-calf* expression of a lover."

"Hudson says — (etc.)!"

"Love-lorn maidens of pastoral poetry who stray around after false lovers without any chaperones."

"People in love don't usually think."

In the President's Office.



NIGHT-SHIRT PARADE.

The night before—PREXY: "Gentlemen you will all go to your rooms. Report to my office tomorrow."

PREXY. next day: "Why, I didn't know there was a newly married couple on the grounds. You boys are perfectly excusable."

(Something like "Oh what a difference in the morning."—Ed.)

PREXY: "Mr. M-l-s you are reported for making a disturbance in Williams Hall during study hours."

M-L-S, confusedly: "Y-e-s, s-i-r."

PREX: "Why did you make so much noise going up the back steps?"

M-L-S: "I was in a hurry." (reluctantly) "Her fellow was after me."

PREX: "Whose fellow?"

M-L-S: "Oh, one of the club girls."

PREX: "Mr. Ainger you are reported for throwing, *cats* down stairs."

But it was *cots*.

"Quips and Querks."

PROF. HEDRICK had cut his finger so badly that a bandage was necessary. Soon after, he met a friend who glanced at the bandage and expressed his sympathy, but as W. O. looked more closely he found that he had bound up the wrong one.

Class in Senior Ag.—

JNO. TRACY: "Professor how do you want the second question answered?"

PROF. SMITH: "Correctly."

PROF. WOODWORTH (To John Tracy): Brace up John. You look just like that mummy over in the museum.

PROF. NOBLE, (As he opened the door of the pen of Maurice Clothilde, while showing lady friends over grounds): "This is the famous Rosa Bonheur."

While cutting corn in field No. 13, Prof. Crozier found a bed made out of grass, where the Juniors hung out in the afternoon, and remarked, "I wonder if tramps are in the habit of hanging out here!"

CONWAY, trying to get up flag pole: "Professor, I guess I'll have to take this out of the socket."

PROF. S.: "All right, but don't sock it down here."

DR. KEDZIE: "From what kind of alcohol is lard compounded?"

SOPHOMORE: "Methyl alcohol."

DR. K.: "You made of wood? A person would think you were a blockhead from the way you recite."



Rubber Neck Club.



Chief rubberer, - - BOBBY ROBINSON.

High ten foot rubber, - - SHAW.

Grand eight foot rubber, - - JAQUES.

Supreme six foot rubber, - - BARLOW.



The Rubbers.

MILLS, FIMPLE, HALE,

STOCOUM, LONDON.



.. Hash ..

With this edition of the Annual we are sorry to announce that Serg't H. A. Dibble and Corporal C. D. Butterfield, who have served the military department faithfully for the past few years, have resigned their commissions and sought new fields of labor.



Professor Taft is good for a number of years yet, for under time the *sleepers* are very sound.



We understand that some of the boys write verses for their best girls. Its unnecessary, the girls are *a verse* to them.



Van Auken, hearing some one above shaking a comfortable, "Here, you don't need to shake your old bugs down here." But on looking up he saw that it was not Nichols, but his mother.



Fred Woodworth had quite an experience while going home. He and Miss Kate Singleton went

home together, and took Professor Woodworth's child with them. The conductor seeing the little one by an open window, said, "The little boy will catch cold, its papa had better put the window down." To add to their embarrassment, the lady in the next seat turned round and asked Miss Singleton how old her little boy was.—*Union Lit.*

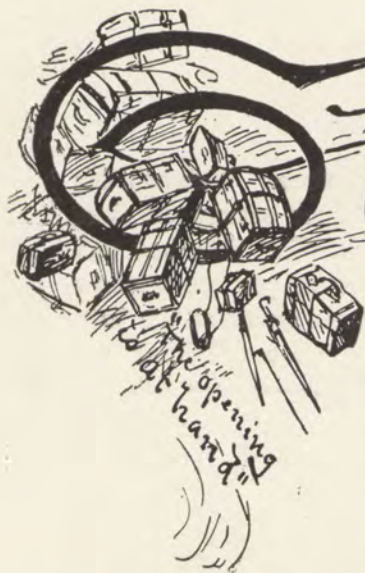


That frightful snake,
Which he delirious hugs,
Cannot commence to make him
quake,
As do yon monstrous Wells' Hall
bugs.



FOREMAN OF HORT. to Patriarche sowing turnip seed: "Well, can't you get those rows a little straighter—more like you pitch ball?"

PATE: "Why, that's the trouble, I'm so used to pitching airshoots that I get everything on the curve.



Calendar



1895.

- Aug. 19. Fall term begins.
 30. Y. M. C. A. Reception.
 Sept. 26. Eclectics entertain the Faculty.
 27. Half-term exams.

- Oct. 4. Hesperians entertain the Faculty.
 18. Tic orchestra gave a hop.
 25. Inter-society oratorical contest.
 31. Faculty import two constables from Okemos to keep the students from celebrating Hallow e'en.
 Nov. 1. Meeting of Fraternities and Feronians.
 8. Fall term ends.

1896.

- Feb. 21. Reception to President Snyder.
 24. Spring term begins.
 26. Delegates attend Y. M. C. A. Convention at Kalamazoo.

March 6. Y. M. C. A. Reception.

10. D. J. Crosby tries skating on his head.
 11. Chicago M. A. C. Association organized.
 15. Baby Edgerton—girl—born.
 17. Harry P. Gladden—married.
 21. Arrival of President Snyder.
 25. Baby Lewis—boy—born.
 27. Eclectic Society complete improvements on their rooms and celebrate.
 Candy pull at Prof. Woodworth's.

April 3. Half-term exams. Orth lecture.

4. M. A. C. ball game at U. of M.
 6. Student labor commenced.
 8. Junior chapel orations commence.
 11. U. L. S. entertains Faculty.
 13. Hesperians complete improvements on their rooms and celebrate.
 15. Baby Wittstock—boy—born.
 Seniors elect officers.
 17. Ball game at Albion.

April 19. Junior Hop.

24. Committee of Feronians entertain U. L. S. men.
Committee of '97 appointed to report on feasibility (?) of annual.

May. 1. Arbor Day exercises.
Local Field Day.

2. Seniors geologize at Grand Ledge.
M. A. C. ball game at Kalamazoo.
5. Hamilton begins work as trainer.
6. Reception of Faculty ladies to Mrs. Snyder.
8. M. A. C. Grange entertained by ladies.
15. Term end party of the U. L. S.
Spring term ends.

-
25. Summer term begins.
30. Memorial Day Exercises.

June 4-6. M. I. A. A. Field Day at Albion.

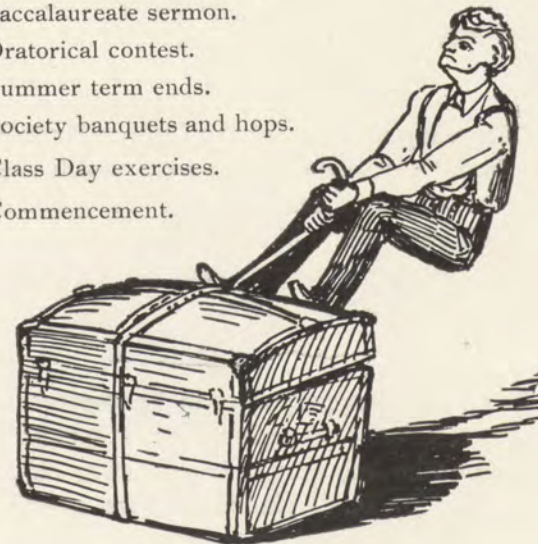
- 12-13. Meeting of Michigan Academy of Science
15. '98-'99 Scrap.
20. Senior vs. Junior ball game.
27. U. L. S. entertains.

July 3. Half-term exams.

10. Faculty ladies entertain Seniors.
13. Faculty Club broke up.
16. I. O. O. F. picnic.
24. Dr. and Mrs. Beal entertain Seniors.
25. Misses Wheeler entertain He perian Society.
Columbian Society party.

Aug. 9. Baccalaureate sermon.

11. Oratorical contest.
12. Summer term ends.
Society banquets and hops.
13. Class Day exercises.
14. Commencement.



Editorial . . .

THE Board of Editors, with these words, have finished their work on the HELIOSTAT. We have done much hard work upon it and had many good times about it, yet our work alone will account for only a part of the volume, and a part that, by itself, would be no great credit to the class or the College. We are therefore glad to acknowledge the generosity of those who have so greatly aided in the publication.

Compiling a history of the College for its forty years' life from the various sources from which the data must be gleaned is no small task, and we greatly appreciate, as we believe every M. A. C. man will, the kindness of Dr. Edwards in giving us such a concise and delightful history of our *Alma Mater*.

No publication purposing to be representative of the College, would be complete without a contribution from the man who has taught here during almost all of its existence, Dr. R. C. Kedzie, and we greatly appreciate his presentation of reminiscences concerning that which will probably live as long as any other one thing in our memory of the College—the College bell.

To the many class and society historians and others

who have contributed articles and “grinds,” we wish to acknowledge our indebtedness.

Yet with the best literary work, a college annual would be unattractive unless suitably illustrated.

To Mr. Phil Porter, with '99, of Detroit, great credit is due for his excellent work on our cartoons. In this kind of drawing he has exceptional ability, having both a keen sense of the ludicrous and the power to quickly put in ink his ideas, which with proper training we believe cannot but bring him success.

To Misses Ruth Shank and Lu Baker of Lansing, though not College students, and Prof. W. S. Holdsworth, we are also indebted for the pleasing drawings they have given us.

Prof. P. B. Woodworth has been very generous to us in spending considerable time in taking many different group pictures, and we sincerely appreciate his kindness.

Yet with both our literary work and illustrations complete, our book would not be a success were it not for the conscientious work of our printer and engravers, which, we believe, speaks for itself.

It is with pleasure that we award a copy of the HELIOSTAT to Mr. C. K. Chapin, '97, for the best lot of “grinds” sent in, and to Mr. J. D. McLouth, '97, for the best poem entitled M. A. C.

Notwithstanding much scathing criticism which they have received, we are glad to note that the "College Evening Classes," and "Fraternity Hops" are more largely attended and enjoyed than ever, and especially by Lansing young ladies. Now and then we hear some lunar light, when refused aid by the muses, burst out in a tirade against these delightful companies in which he cannot participate. But we all know the *reason why* and also that this is only an individual, jealousy and that, as ever, the Lansing high school, as a whole, has no ill will toward M. A. C. students. Inasmuch as the course of the L. H. S. and M. A. C. is so frequent, both in the athletic and social world, we trust that this good feeling between them may ever prevail.

For the last few years M. A. C. has been changing in many ways. With all respect to our alumni we may say that its moral character, administration, and law and order, are much better than of yore. Though there are things in the College which can well bear criticism, we have remembered that in criticising a part of any thing we are often led to erroneously form a bad opinion of the whole, and so have endeavored to allow nothing in the pages of THE HELIOSTAT which would cast any shadow upon the administration or character of our

Alma Mater. If there be anything within its covers which would seem to be a discredit to the College, we assure you that whatever it be it is more fiction than fact.

THE HELIOSTAT is the outgrowth of a conviction on the part of '97, that a volume which is a complete representative of M. A. C. would be appreciated by our alumni, faculty and students. The results have proved it true. We have been well and heartily supported by all, and in return we pledge our support to such future volumes of THE HELIOSTAT as succeeding classes will see fit to publish.

As the heliostat in the army carries the message from headquarters to the farthest outpost in the field, so we wish this volume to carry the life and spirit of M. A. C. to every alumnus however distant. As the heliostat in the survey sheds the light which makes it possible for the line to be run correctly, so we trust this book will reveal the life of the whole College so that it may be guided in the right direction with no deviation. As a heliostat reflects the light of the great king of day which supports the life of earth, so we trust ours may reflect all that is good, admirable and elevating in M. A. C. so that in the future, as in the past, it may be a source of life to the cause for which it was founded.

Camera Club



President, Miss BERTHA WELLMAN.

Member, Miss SADIE CHAMPION.

Instructor, F. W. KRAMER.



The Club desires one more gentleman member.



"ACCEPTED—H. E."

To be Read Between Ads.

"All's well that ends well."—HERRMANN.

"I'd be a butterfly living a rover,
Dying when fair things are fading away."

—ADAMS.

"With ruin upon ruin, rout on rout,
Confusion worse confounded."

—THAYER.

"For I am nothing if not critical."—VAN NORMAN.

"These are but wild and whirling words, my Lord."
—(FORCE emerging from the fountain.)

"Socrates, whom well inspired the oracle (pronounced), wisest of men."—HALE.

"There is a special providence in the fall of a sparrow."—GOODRICH.

There will be a meeting of the Law and Order League to-day at 12:20. All charter members are requested to be present as important business is to be transacted. It is expected that the State Secretary will be present.

"They never taste who always drink,
They always talk who never think."

—CHAPIN.

"As a general rule, it might, *perhaps*, be *preferable*."
—TAFT.

"Some freshmen have 'water on the brain.'"

"A sophomore—a wise fool."—REV. DR. JORDAN.

At the night-shirt parade. Prexy grabs at Cassy Laitner, but he dodges. Cassy: "Gentlemen, this is the new president, President Snyder. He will now make a speech."

"Versy vicy."—TOMMY DURKIN.

COLE offered \$1 for every bug. Received 1,000,000 next morning.

"Cold news for me. Thus are my blossoms blasted in the bud, and caterpillars eat my leaves away."—TAFT.



Errata.

Prof. H. K. Vedder, line 4, "upon graduating from the civil engineering course at Cornell in 1874."

B. O. Longyear, line 3, July 16, 1868.

Prof. H. W. Mumford's picture is placed among those of the faculty as he was unable to be present when the sub-faculty group was taken.



HOSE who with us advertise,
Most surely can't be beat,
And them we trust you'll patronize,
For they will treat you neat.



Our "Class A" Representative stands squarely on the "Scrapper" platform of '97, or any old year, and is ready to meet all comers with a smile and an eye for business. When not otherwise engaged he may be found at No. 122 Ottawa street east. He is quite esthetic in taste and will be able at all times to hand you the latest samples of the printer's art. He's easy to "chin."

Yours truly,

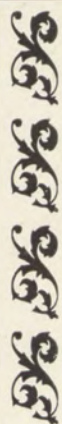


Thompson & Van Buren,
Printers and Stationers,
Lansing, Mich.

Oh, it's nice to be scrapper
And tell such whopping lies;
It's nice to be a scrapper
And wear beefsteak on your eyes.

"He longed to be a soldier in the army."—BUTTERFIELD.

"And when a lady's in the case, you know all other things give place."—VAN NORMAN.



**Anything you may need in the ...
Hardware Line**



Gasoline Stoves, Coal or Wood Heaters, Tin, Copper, Nickel and Granite Ware, Pocket Cutlery, Shears, Carpet Sweepers, Clothes Wringers.—We would be pleased to have a share of your trade.



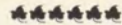
Respectfully,

Morton's Hardware,

... 111 Washington Ave. S.

Guns, Ammunition—

.... AND FISHING TACKLE.



Also a First-Glass Repair Shop

Where Competent Mechanics repair Bicycles,
Guns, Lawn Mowers, Type Writers, Umbrel-
las, and Gasoline Stoves.

....BASGOM & SCHELLING.

114 Michigan Avenue E.

Our... Long Experience—

In dealing with College Men enables us to
give you the most satisfactory service of any
Jewelry House in the city. We know college
men's needs—have a branch store in Olivet—
have dealt with students, lived among 'em, in
fact, we *know your wants*.



Richmond
Lansing...

M. A. C. GIRL—"Next term you girls won't come out to hops so much." LANSING GIRL—"Why?"
M. A. C. GIRL—"Because there will be more co-eds and they don't need hacks to go to hops in."

Hotel Downey.



FREE EXAMINATION.



Don't take your Watch to a Blacksmith...

This is just what you do when you allow Opticians
to Fit Your Glasses. An Occulist is the only com-
petent person to tell you what is needed. Your
trouble may be a *disease*, and glasses would ruin your
eyes.

DR. DICKSON is the **ONLY** Occulist.

In the City. Office, 1st floor in HOLLISTER BLOCK,
ask elevator boy.

THE..

SEDINA TAILORING COMPANY

Want to make your acquaintance
and your clothes.

== 16 to 1 ==

WE WILL SUIT YOU.



GET OUR PRICES ON

UNIFORMS.

PERFECT FITTING,
WELL MADE GARMENTS.
ARE GUARANTEED.

Notes on Etiquette.

When a co-ed has a gentleman caller and lessons to learn, it is proper for her to simply say, "It is time to adjourn," and make her departure.—MISS BELLIS.

When a student asks his sister students to go boat riding they should stare at him in utter amazement and say only, "Nope, I guess not."—UNO.



Why is Sadie Champion so anxious to take Domestic Science next term?

"She's (?) got the perfectest form."—FIMPLE.

"At M. A. C. good morals are *inculculated*."—LOOMIS.

We understand that Prexy intends to come through the halls some night next term and search all the boys pockets for tobacco—which is not allowed on the grounds.

The U. S. Constitution is being very liberally construed of late.

J. C. Herkner Jewelry Co.



The leading manufacturing
and retail Jewelry house of
western Michigan. ..

Fine wares in Cut Glass,
Gold, Sterling Silver, etc.

Manufacturers of all kinds of

Class and Fraternity
Pins, Rings, Medals,
Etc., Etc.

Special designs and estimates upon
application.

J. C. HERKNER JEWELRY CO.,

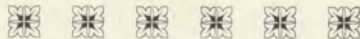
57 Monroe Street,

GRAND RAPIDS, MICH.

J. W. RIGTERINK,
... Room 119 ...

H. A. DIBBLE,
... Room 29 ...

...M. A. C. Star Laundry...



CHEAPEST, OLDEST AND MOST RELIABLE
LAUNDRY ON THE GROUNDS.



PORTER'S LIVERY, HACK and OMNIBUS LINE

WM. H. PORTER, Proprietor.

DEALER IN
FINE MARKET HORSES.

300, 310 Capitol Ave. Residence, 408 Walnut St.

...LANSING, MICH...

We wish to call your attention to the fact that

... We can do you good *

We have the largest line of
...CHOCOLATES
In the City,
At Popular Prices.



We make a Specialty of all kinds of
FANCY PASTRY, ICES, ICE CREAM, SHERBETS
Or anything you want, on one day's notice

H. W. Strong & Co., ³³² Washington Ave. S.

He who has a beard is better than a youth, but he has no beard is less a man.—LAITNER.



G. R. ENG. CO.

MICHIGAN STATE AGRICULTURAL COLLEGE



— FIFTEEN MINUTES FROM LANSING
BY ELECTRIC CAR LINE.

Beautiful Campus of over Eighty Acres.

Ten well-equipped Laboratories.

In all over Forty Buildings.

Three Courses of Study--Each Four Years--Agricultural, Mechanical, Womens'

Four Special Courses of six weeks each given during the Winter in the following: Dairy Husbandry,
Live Stock Husbandry, Fruit Culture, Floriculture, and Winter Vegetable Gardening.

TUITION FREE to residents of the State; room rent very low and boarding at actual cost.
Next school year begins Sept. 14 and closes June 17, 1897. Write for catalogue.

J. L. SNYDER, President,
Agricultural College P. O., Mich.



GILLET & KIRBY,

220 Washington Ave. S.

... Pioneer Jewelers.

The Famous ...
Kalamazoo Uniforms
 ... FOR COLLEGES, BANDS,
 MILITARY,

and ALL CIVIC AND SECRET
 ORGANIZATIONS

Are Manufactured by the

HENDERSON-AMES CO.,

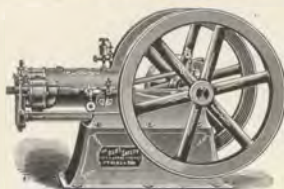
— KALAMAZOO, MICH.

Samples, Catalogues and full information, Free on application.

Bolt says he cannot control his *distemper*. Miller cut his face the other day chewing battle ax plug.
 Ask Eldridge and Merkel whether they meant to miss that train or not.

THE OLDS

Gasoline Vapor
 and ...
 Gasoline Steam.



Greatest in
 Economy,
 Efficiency,
 Durability.

P. F. OLDS & SON ENGINE WORKS,
 LANSING, MICH.

M. A. C. BOYS

.....TRY.....

JIMMIE MARKEY

FOR

Livery

EAST OF HOTEL DOWNEY.

OTTO ZIEGLER,

206 Washington Ave. South.

Cigars

***** and *****

Tobacco

THE LARGEST AND MOST COM-
 PLETE STOCK IN THE CITY

CARPETS!

Buy your Window Shades, Carpets, Draperies,
Lace Curtains, Matting, Linoleum, etc. The
Finest Extra Super Ingrain Carpet is the Ber-
lin sold only by us.

223 Washington Ave. N.

**Robson
Bros.
Carpet Co.**

Wherewith shall it be salted?—AINGER.



JOE'S CAPITOL. SAN MALO.
G. R. B. C. 4 C.
V. M. C. A. S. B.
OUR SENATORS.
JONES' LITTLE HAVANAS.

A. S. BENNETT. G. HOMER JONES, SEC. AND TREAS. J. T. FINCH.

Capitol City Cigar Co.

MANUFACTURERS OF

High Grade Cigars.

401 Washington Ave. N.

Lansing, Mich.

Backus seemed to be quite interested in his toes.

G. DE ROSE
DEALER IN...

 **Foreign and Domestic Fruits,
Nuts and Fine Confectionery.**

Oranges, Lemons and Bananas
A SPECIALTY.

307 Washington Ave. S.

WHEN YOU WANT

A GOOD LUNCH

GO TO THE

LITTLE DOWNEY.

M. A. C. —

HAS A PROFESSIONAL

Tonsorial Artist

TRY HIM.

C. L. MEAUX,

46 Williams Hall.

WHEN IN WANT OF

A Good Five-cent Cigar

CALL FOR THE

© H. H. F. ©

Peerless Shoe Shop

WM. F. REITZ, Proprietor.

Fine Repairing a Specialty.

MICHIGAN AVE. WEST. LANSING, MICH.

Silent he sat the dinner through,
A picture of an utter wreck,
He did not move, but well he knew
His necktie had crawled up on his neck.

GOODRICH'S favorite song — "Put
me off at *Grand Ledge*."

SMOKE THE

"CITY HALL"

The Best Five-cent Cigar
on the market.

—SOLD BY ALL DEALERS.

AINGER — "I am President of the
Sturgis Air Castle Co."

Oh, why do they call me *skeleton*?
For my life I can not see;
For I am sure I can cast a *shadow*,
Just as plain as the fatest flea.

—ELLIOT.

HERRMANN — "Yes, Mr. Gunson,
I've wasted ten years of my life. I
used to sit in school and write notes to
the girls all the time."



Hot! well, Yes!

But we are raising a
breeze with that new
song—

"Bess, My Bess"

'T is the hottest song
out and you must come
and hear it at

HOLMES' MUSIC STORE

CLUB SUPPLIES,
Table Furnishings,
Kitchen Equipments.
CHINA, GLASS, ETC. RENTED.

New York Bazaar.

GROMBACHER & HOLDER.
106 Washington Ave. South.

DR. A. D. HAGADORN,

Physician and Surgeon.

Office Hours—9 to 11 a. m. 2 to 4 and 7 to 8 p. m.

Office opposite Hudson House.

F. E. KANTER, Special. HENRY M. CROUSE.

H. M. CROUSE & CO.

Successors to Oakley-Crouse Co.,

MACHINERY FOR ALL PURPOSES.

Mechanics' Fine Tools. Complete Shop Equip-
ment. Draughtsmen's Tools of all kinds.

19 Jefferson Ave., DETROIT, MICH.

BOICE'S, OF COURSE

Is where you will find all the latest
novelties in

Ladies' and Children's Furnishings

SOLE AGENT FOR

P. & P. KID GLOVES.

Modern High-Art Illustrators.



Cuts

FOR CATALOGUES
BOOKS, SOUVENIRS
NEWSPAPERS
LETTER-HEADS, ETC.

Grand Rapids
Engraving Co.
GRAND RAPIDS, MICH.

ENGRAVERS BY
ALL PROCESSES.

Always on Top!_____

It makes no difference with us. Gold and Silver are on a par here. In our line of **Up-to-date Clothing and Furnishings** one will buy as much as the other. Try us.



DAVIS & CO.

104 Washington Ave. N.

“He stoppeth one (ball) in three.”—McLOUTH on third.

“Boys, kill the fatted son! The prodigal calf has returned.”—COLE.

DRAWING MATERIALS.✿

Manual Training Schools and Schools Teaching Mechanical Drawing should have our Catalogue of 1895, which is the most complete and correct descriptive price list of carefully selected instruments and materials used in drawing or by draughtsmen. We are now supplying, directly or indirectly, nearly all of the larger and most of the smaller schools using goods in our line. Our goods are warranted to be in all cases exactly as described in our catalogue, and the selection there offered is made with intimate knowledge of the subject. We make or control most of the goods we offer, which are different from or superior to other goods, and the same makes and kinds of goods are not obtainable otherwise than through us. We make special prices to schools or associations of students.

 Catalogue on application.



What the

M. H. C. Boys say

about . .

ELLISON:



Ellison is the best group photographer in the State.—KRAMER, '97.

Ellison's work is the *very best*. I never go elsewhere.—C. A. JEWELL, '96.

Ellison did most all the group work for "*The Heliostat*."—SANDERSON, '97.

Ellison's photographic work is always first-class.—L. S. MUNSON, '97.

I like to do *business* with Ellison as well as have him take my picture.—GOODWIN, '97.

How do you like the cut of the Board of Editors, and the picture of the Class of '97?
Ellison took both.

Try Ellison and you will *never* go elsewhere.—ALL HIS PATRONS.

"Whatever he did was done with so much ease."—SHAW.

Wanted!



10,000 students to know that our Soda Water is the finest and drawn from the finest fountain in the State. We make our Soda Water our advertisement, Drugs our business. Best Soda; best Drugs. That's all.

ALSDORF & SON, The Druggists.

No wonder Alex. Krentel can catch. He was born with a bawl in his mouth.

ALL THOSE WISHING THE BEST WORK, MOST
REASONABLE RATES, AND GUARANTEED SATIS-
FACTION, SHOULD PATRONIZE THE : : :

ALBERT A. JACKSON & CO., Proprietors.

GOODWIN & FULTON, College Agents.

JACKSON --
CAPITOL LAUNDRY.

115 Michigan Avenue West.



THE CROSBY
INDICATOR.....
IS THE STANDARD
THROUGHOUT THE WORLD.

CROSBY STEAM GAGE AND VALVE CO.

SOLE MANUFACTURERS OF

Crosby Pop Safety Valves, Locomotive, Marine and Stationary.

Crosby Water Relief Valves, for Pumps, Hydrants, etc.

Crosby Improved Steam Pressure Gages and Patent Gage Testers.

Crosby Revolution Counters, positive, either rotary or reciprocal motion.

Crosby Pressure Recorders (new), in single, circular case.

Crosby Steam Engine Indicator, with *Sargent's Electrical Attachment*, by which any number of diagrams may be taken simultaneously.

Crosby Spring-Seat Globe and Angle Valves. Warranted not to leak under the highest pressure carried.

Original Single Bell Chime Whistles.

Bosworth Feed Water Regulators, for maintaining an even water line in fast steaming boilers.

Branden Patent Pump Valves, rubber, with wire coil insertion; one will outlast three ordinary valves.

Clark's Linen and Cotton Fire Underwriter Hose, Gold medal, Paris, 1889. Medal and diploma, Chicago, 1893. Gold medal, Atlanta, 1895.

MAIN OFFICE AND WORKS, BOSTON, MASS.

Branches: NEW YORK, CHICAGO, LONDON, ENG.

College Boys..

IF YOU WANT A GOOD MEAL,
Go to Severance's.

IF YOU WANT GOOD
ICE CREAM, Go there also.

Freshly Baked Goods at all times.

SEVERANCE,

716 WASHINGTON AVE. S.

"A soldier full of strange oaths and bearded like the pard."—DIBBLE.

"Woman, keep me from woman."—FULTON.

"Where got'st thou that goose look?"—SIMMONS.

TAFT TO MUNSON: "Grumblers never work, and workers never grumble."

KRAMER: "Like our shadows, our wishes lengthen as our sun declines."

HART (walking out at night): "A late morn is of no use to nobody."

LAITNER:

"Only a drop in the bucket,
But every drop will tell;
The bucket soon would be empty
Without the drop in the well."

... A NEW AND ENLARGED EDITION ...

JOHNSON'S UNIVERSAL CYCLOPEDIA

JUST ISSUED FROM THE PRESS.

CHARLES KENDALL ADAMS, LL. D.,

President of the University of Wisconsin
Editor-in-Chief.

ROBERT LILLEY, M. R. A. S.,

Editor of the Century Dictionary
Managing Editor.

40 EDITORS, 2500 CONTRIBUTORS.

Three Times as Many Articles

AS THE BRITANNICA.

It is Complete in Eight Royal Octavo Volumes. Contains Seven Thousand Two Hundred and Sixty-four Pages, printed from New and Larger Type. One Hundred and Thirty Colored Maps, including Plans of the Chief Cities of North America and Europe. Over Three Thousand Illustrations. Over Fifty Thousand Separate Articles, including Hundreds on New Topics never before treated in any Cyclopaedia.

Twenty Years Later

THAN ANY OTHER GREAT ENCYCLOPEDIA.

D. APPLETON & CO.

... PUBLISHERS ...

CHICAGO, 243 Wabash Ave.

NEW YORK.

Sample pages sent on Application. Installment plan if desired.

I have examined with some care *Johnson's Cyclopaedia*. Many writers of acknowledged authority have been employed as contributors. In accuracy, fulness of bibliographical references, and scholarly treatment of themes, the care and learning of contributors, and the editor in chief, are conspicuously manifest. The typographical execution of the work is of the highest order of excellence.

JAMES B. ANGELL, LL. D.
President U. of M.

I have regarded *Johnson's Cyclopaedia* as best adapted to general use, and I am glad to be able to say, on examination of the *revised edition*, that it is henceforth to be still better.

B. A. HINSDALE, LL. D.,
Prof. of Science and Art of Teaching, U. of M.

I know of no other cyclopaedia in which the average man is more likely to find the object of his search.

W. W. BEAMAN, A. M.,
Professor of Mathematics, U. of M.

Great skill is shown in the preparation of the new edition of *Johnson's Cyclopaedia*. It is a remarkable literary product and in many respects the best cyclopaedia of recent years.

J. C. KNOWLTON, A. B.,
Prof. in Law School, U. of M.

The new edition of *Johnson* seems likely not only to maintain but to strengthen the reputation of the work as the most serviceable of the *English Cyclopaedias* for ordinary purposes.

CALVIN THOMAS, A. M.,
Prof. of Germanic Languages and Literature, U. of M.

I have carefully examined the new edition of *Johnson's Universal Cyclopaedia*, and consider it a decided improvement over the former one. It seems to be the very best cyclopaedia for general family use thus far published.

HENRY L. CARHART, LL. D.,
Prof. of Physics, U. of M.

I regard *Johnson's Cyclopaedia* as the best cyclopaedia for general use in the market.

O. E. LATHAM,
Supt. Public Schools, Kalamazoo, Mich.

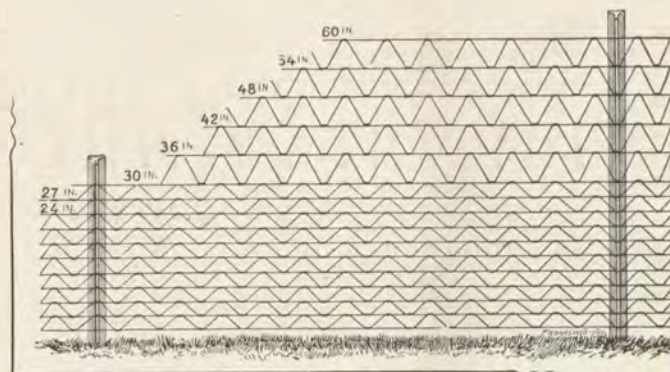
The **Hartman**



"STOCKADE" FENCE...

STRONG, DURABLE AND CHEAP,
PERFECTLY ADJUSTABLE.

...UNEQUALED FOR ALL PURPOSES...



Stock, Hog, Sheep and Poultry Fence Combinations made in eight heights of best *Galvanized Steel Wire, No. 13*, Protects against Rabbits. Meets all Climatic Changes; No Breaking in Winter; No Bagging in Summer. Send for Catalogue, etc.

HARTMAN MFG. CO., OF ELLWOOD CITY, PA.

SLIPPERY—"It would be better not to spend the deposits made for lockers."

Photography Made Easy.

EVERYBODY can take pictures; Finish them at Home.
For particulars write to

THUM BROS. & SCHMIDT

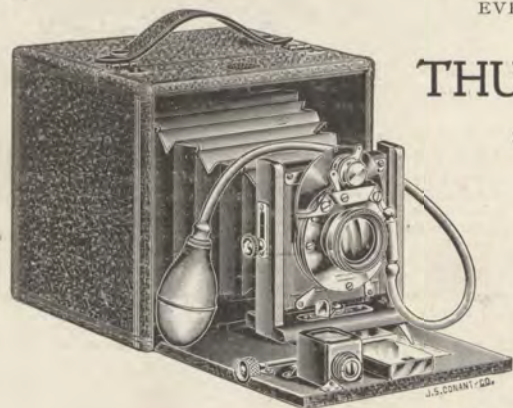
84 Canal St., Grand Rapids, Mich.

We Sell Every Popular Make of Camera—Which one suits you best? Premo, Poco, Cycle Poco, Blair Folding, Hawkeyes, Bullseyes, Kodets, Bullet, Quad, Ray, Trokonet, Pocket Kodak, Etc., Etc.

We have the Largest Stock of Supplies in western Michigan. Do not fail to call on us when in the city. You may see something of interest. Correspondence solicited.

THUM BROS. & SCHMIDT,

84 Canal St., Grand Rapids.



Prices Right...

Send for Catalogues.
Send us your Films to
Develop.



You Know ...That

The Moderator

Is the most valuable help to the teacher.
If you need such aid,

Why not Subscribe?

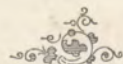
Do so at once and remit \$1.50 to . . .

THE MODERATOR,
HENRY R. PATTENGILL, Editor.
Lansing, Mich.

"Misery acquaints a man with queer bedfellows."—COLE.

"'Cosmopolitan' means 'magazine.'"—AUSTIN.

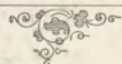
"Innocents Abroad."—Shaw, Barlow, Agnew and Fimple.



JOHN HERRMANN

TAILOR

218 Washington Ave. N., LANSING, MICH.



F. P. GRAVES,

Doctor of Dental Surgery.

Office—208 Washington Ave. South,
Opposite Hudson House.

J. A. ELLIOTT.

R. H. STOCOUM.

ELLIOTT & STOCOUM,
M. A. C. BOOK STORE.

College Text Books, Drawing Instruments,
Students' Furnishings,
Fine Stationery, Confectionery,
Athletic and Photographic Supplies.

Agricultural College P. O.

No. 56 WILLIAMS HALL.

