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PURDUE DEBRIS



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THE PURDUE DEBRIS

PUBLISHED ANNUALLY BY THE SENIOR CLASS
OF PURDUE UNIVERSITY. VOLUME SIXTEEN

*NINETEEN
HUNDRED
AND FOUR*

L A F A Y E T T E I N D I A N A

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G R E E T I N G



OUR aim in the preparation of this book has been threefold.

For ourselves, we have tried to make as complete and enduring record as type and engravings will allow of ourselves, of our work and play, and of our ups and downs of four years at Purdue as members of that body which is so soon to become little else than a memory--- the class of 1904.

For future generations of Purdue students, we have tried to preserve as complete a record as possible of the University as it exists in this year 1904. Many changes will be seen in future years; many improvements will be made. We have tried to fix a view of one stage in the evolution of our alma mater.

For everybody, we have endeavored to furnish an entertaining picture of that happiest phase of existence--- the life of the college undergraduate.

These have been our aims; of how well we have fulfilled them our readers must be the judge.

THE EDITORS.

Purdue Univ. Archives Dept. (Gift)

AUG 3 1 1949



To that unlettered philosopher and friend of "th' b'yes"

Pat Tracy

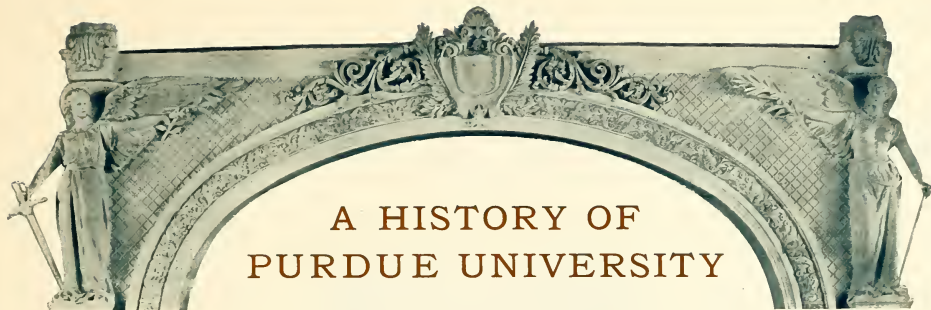
*who, though in a humble position, has served
the University faithfully for over twenty
years, we dedicate this book.*

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A HISTORY OF PURDUE UNIVERSITY



THE world's great institutions of learning stand in history as mile-posts along the highway of education, pointing out to all the trend of civilization. The Ancient Order of Stoics, the medieval school of the monastery and the modern university stand as representative epochs in the evolution of knowledge. Even in the last epoch itself, there has been a noticeable change, the early School of Classics being replaced, or at least accompanied, by the School of Practical Arts. This constant change, this certain development along the line of science has been but a natural outgrowth of those series of inventions which have revolutionized modern times. To-day the universities of technology, science and agriculture share with the colleges of arts, letters and law the wealth and respect of every civilized land. As a result of this modern spirit have come a score of our finest institutions, among which, as a striking example, stands Purdue University.

The early history of Purdue is quite similar to other State schools nationally endowed. Previous to 1860, the federal Government was besieged by constant appeals from the agricultural societies of the nation for donations of the unclaimed public lands to be used in the furtherance of agricultural arts. This demand was finally presented in Congress by Justin S. Morrill in what was known as the "Land Grant Bill." The object embodied in this bill was to grant certain public lands to each State accepting the act for the "endowment, support and maintenance of at least one college, where the leading object shall be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and mechanic arts."

The bill was passed in the House of Representatives April 22, 1858, but was vetoed by President



Buchanan upon the grounds that it contained features which he believed to be unconstitutional. Mr. Morrill, however, was not to be defeated. Through the assistance of Senator Wade, of Ohio, he finally succeeded in having the bill introduced in the Senate, where, though bitterly opposed, it was finally passed on May 5, 1862. It was accepted by the House soon afterward, and July 2, 1862, received the signature of President Lincoln and became a law.

Indiana was quick to accept the provisions of this act. On March 6, 1865, the formal acceptance by the State was made. In accordance with the provisions contained, which granted each State 30,000 acres of land for every Senator and Representative to which that State was entitled, following the census of 1860, Indiana came into possession of a tract of 390,000 acres as her share. From this source, through investments in U. S. bonds, she realized for her institution the sum of \$340,000, which has remained ever since as a permanent endowment, the interest of which has always yielded a large portion of the institution's support. Immediately following the State's acceptance, a board composed of five trustees was appointed, whose duties were to provide for the management of the school and act as its special supervisor.

One of the primary questions was the location of the institution among the advantageous 1869 that the question was great pressure brought to bear John Purdue and the citizens put finally terminated in the the location of the institution the institution received a sum a donation of one hundred acres West Lafayette, a donation of County, together with number of its appreciation, the State John Purdue as a life member



agreed to call the institution by the name Purdue University. This fixed the name and place.

In 1870 the board of trustees was reorganized and increased from five members to nine. The work which lay before them was of a formulative nature. A site for the University had to be chosen, buildings erected, and provisions made for the opening of the institution. The present tract of land—now the well-kept campus, but, at that time, a bare, treeless field—was purchased and put in condition for the buildings. The first of these to appear were the Ladies' Hall, Pharmacy Building, Men's Dormitory, Boiler House, Military Hall and barn; these were constructed during the years 1872 and 1873.

It was the original intention to open the institution in 1873 with Prof. Richard Owen, of the State University, as president, but difficulties arose prior to that time which necessitated the date being postponed. In March, 1874,

questions which confronted the State. A great rivalry sprang places, and it was not until finally decided. Owing to the through the propositions of of Tippecanoe County, the dis- acceptance of their offers and in this county. By this action of \$150,000 from John Purdue, of land from the citizens of \$50,000 from Tippecanoe ous minor gifts, and, as a mark Legislature accordingly elected of the board of trustees and

before instruction had begun, President Owen resigned. In order to comply with the Act of Congress, however, which required that the institution be opened as early as July, 1874, Prof. John S. Hougham assembled a class March 2 of that year, and gave instructions until June. The formal opening of the institution took place September 17, 1874, with A. C. Shortridge as president, and from that date its regular work of instruction has continued unbroken.

The first curriculum included courses in Science, Engineering, Agriculture and Military Tactics, drill in the latter being instituted in 1876. It was found soon afterward, however, that changes in the work were necessary—a large proportion of the students were only in the Preparatory School—and for several years a constant remodeling was carried on among the several courses. Like many other institutions, its infant life was beset with numerous days when life and interest seemed by their absence to threaten its future development. The presidency of Dr. E. E. White, which lasted from the resignation of President Shortridge on November 5, 1875, to the election of Dr. James H. Smart in 1883, was filled with days of care and constant watchfulness, but that loyalty of purpose which characterized his term of service secured for Purdue a sure and enduring foothold.

In 1877 the University Hall was completed, and in 1879, through the generosity of Mr. Martin L. Pierce, of Lafayette, the Conservatory was erected. These buildings were followed in 1881 by the construction of the Agricultural Building, now known as the Experiment Station.

The maintenance of all these buildings had to be provided for by the State, and several times during the early life of the institution this duty was so completely overlooked by the Legislature that a serious paucity of funds threw the school into dire distress. In order to satisfy the growing needs of the Mechanical Department, the Legislature, in 1885, appropriated \$12,500 for the erection of a building to be devoted to this cause. The building which resulted is the present Science Hall. In all departments the school soon began to grow rapidly; the new schools of Agriculture, Pharmacy and Engineering were added and the courses established on a broader basis.

No sooner, however, would one department have its needs supplied than cries would arise from some other quarter which had outgrown its funds. The extended and profitable work of the Agricultural Experiment Station was rewarded by the passage of the Hatch Act in 1887, by which a sum of \$15,000 per annum was appropriated to be used by the State in furthering the work of agricultural research and investigation, and in diffusing among the farmers of Indiana the practical results obtained.

In 1889 the Electrical Department received its special appropriation for the construction of the Electrical Building, which it has continued to occupy up to the present time.





The second Morrill Act was passed in 1890. This provided for the University an additional annuity of \$25,000, to be devoted to instruction in technology and agriculture. By means of this income, plus an extra fund from the State, sprang that nucleus from which was to develop the great Mechanical Laboratory. A gift of \$35,000 from Amos Heavilon, and an appropriation of \$50,000 from the Legislature of 1893, made possible the erection of the magnificent building known to all as the pride of Purdue. The great hopes for the future which filled each breast at the brilliant dedicatory ceremony, however, were all too soon to be blighted. On the evening of January 23, 1894, just four days after the dedication, the splendid structure was reduced by fire to a mere heap of smouldering brick.

Discouraging as it all may have seemed on the night of the catastrophe, the loss was only a temporary one. The new building which appeared upon the old foundations arose as a testament to the untiring energy characteristic of President Smart, and stood as a favorable omen for the future of Purdue. The second structure was opened December 4, 1895, and represented almost exactly the building which had preceded it.

In 1894 the Preparatory Department was abolished, owing to the increase in its attendance, and radical improvements were made in the regular courses. Soon afterward the school began to take on an unusual semblance of life, and the adoption of the present form of courses, with a constantly increasing enrollment, marked this page in the history of the institution.

The death of President Smart in February, 1900, placed the chief duties of the University in the hands of Dr. Winthrop E. Stone, who had served as its principal executive during the months of Dr. Smart's failing health. On July 6, 1900, Dr. Stone was formally elected president, and in this capacity he has continued up to the present time. That new spirit which was gradually awakened during the latter years of President Smart's term has seemed to burst forth with new



life during the past generation of students, and evidences of unusual growth have been seen in the additional buildings which have appeared upon the campus. The Legislature of 1901 appropriated \$60,000 for the erection of a new agricultural building, which was built and opened for classroom work in September, 1902. A fund of \$10,000 as an annual annuity for the Farmers' Institute was appropriated also by this same Legislature, and Purdue was appointed as the trustee of the fund. In the fall of 1901, a great, long-felt want of the University was filled by the generous and philanthropic act of Mrs. Eliza Fowler, of Lafayette. A sum of \$60,000 was given the University for the purpose of erecting a chapel and general auditorium, and in token of respect to the donor, the building was named the "Eliza Fowler Hall." Mr. James Eliza Fowler, followed this gift by one of \$5,000 purchase of an organ for the new hall. The opened to public use at the Commencement Exercises 1903; the organ was constructed the on May 4, 1904, both hall and organ elaborate ceremonies.

The Legislative Session of 1903 further amended the University by whereby the income increased from one-tenth of a mill on State. A specific appropriation and heating plant erected and put into further, a sum of \$60,000 of a building for the Department of Physics was appropriated. The Legislature made improvements and immediate agricultural needs, thus manifesting throughout all its acts the intense interest with which the State regards the growth and success of Purdue.

The fall of 1903 can never be forgotten. Out of that season of sorrow which followed the wreck at Indianapolis there has sprung a keener spirit and an awakening of a closer bond between those of the old school and those of the new—a bond which will be strengthened by the presence of the Memorial Gymnasium intended to stand in the years to come as a monument to those who sacrificed their lives for the sake of the new Purdue.

The history of Purdue is a history full of action and spirit. From a mere struggling "high school"—to use the terms of her first great private benefactor—she has grown to be the largest purely technical institution in the West. That name which once was unfamiliar outside of a little circle has gone forth as a name of merit beyond the bounds of America. Through the accomplishments of her graduates, through the support of her friends at home and abroad, she has reached a place of supreme distinction and fills a wonderful purpose in the guidance of human affairs. Her course is clear to all, her aims are high, her motive and her spirit worthy of a great and glorious future.



Fowler, a son of Mrs. to be used in the building was a first class of the Class of following winter, and were dedicated with

sion of 1903 further a legal amendment from the State was twentieth of a mill to

each dollar of taxables in the piation of \$75,000 for a central was also made, the same being service by the close of that year; for the erection and equipment

partment of Physics was appropriated. ture being at present well under way. other smaller appropriations for street

THE PAST YEAR



THE history of the past year is the history of the most eventful epoch of the University's existence. Never before have such numerous and important steps in material progress been made; never before has there been an equal uplift in the culture and mental life of the University; never before has the University passed through the stress of so grievous a trial as was her lot in the year which now passes into history.

That the record of those events which have distinguished the year may be preserved for our own recollection in future years, and for the benefit of succeeding generations of students, is the purpose of this history.

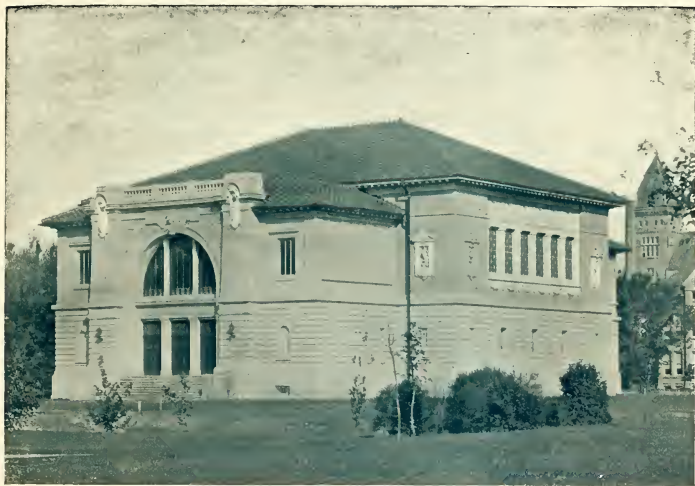
No doubt the event of the year whose results have been, and will be, the most far-reaching, has been the completion and opening for use of the new assembly building, Eliza Fowler Hall. The need of some central institution at the University about which the various activities will be centered, of a place of meeting of students and faculty in deliberative or other assembly, and of a place for the gathering of audiences for the purposes of culture and entertainment, had long been a sore one at Purdue University. The gift of Mrs. Eliza

Fowler to the University of the beautiful hall which bears her name has happily satisfied this need.

The building is in itself a refining influence, in that it is an ornament to the campus and appeals to the esthetic sense of every one. It is built of planed sandstone and white pressed brick, with a tiled roof. It is tastefully adorned with sculptured designs in relief, and the front portal is carved and gilded.

One enters the building through an imposing doorway, and finds himself in a large and beautifully ornamented lobby, on either side of which are handsome marble stairways leading to the balcony. The auditorium is nearly square, and contains 1,369 opera chairs, so placed that there is no seat from which the rostrum is not in plain sight and easy hearing. The ceiling and mural decorations are modeled in deep relief, and are dignified and harmonious. Illumination by day is accomplished by large windows which occupy the greater part of the east and





ELIZA FOWLER HALL



INTERIOR OF ELIZA FOWLER HALL

west walls of the balcony. At night the room is lighted by a special grouping of incandescent lamps, causing a very beautiful effect.

By far the most prominent feature of the auditorium is the organ. This magnificent instrument, one of the finest in the State, is the gift of Mr. James M. Fowler, of Lafayette. It was built by Messrs. Hilgreen and Lane, of Alliance, Ohio, according to the plans and specifications of Mr. W. H. Donley, who also supervised the erection and voicing of the instrument. Its cost was approximately \$5,500.

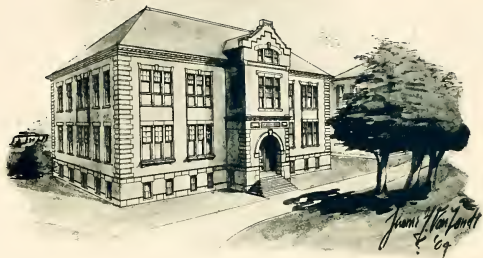
The gift by Mrs. Fowler, of \$60,000, was publicly announced on the day preceding Thanksgiving, in 1901. The donation was subsequently increased to \$70,000. Work was begun on the building in the summer of 1902, and continued for over a year. The first public use of the building was for Memorial Day exercises, May 30, 1903; shortly after this, on June 10, the Commencement exercises of the class of 1903 were held within the building. The architects were Vonneger & Bohn, the contractor Wm. P. Jungclaus & Co., of Indianapolis. The total cost was in round numbers \$80,000. The building was formally received in August, 1903. The building and organ were dedicated on May 4, 1904, with elaborate ceremonies in the forenoon, afternoon and evening.

With the opening of Eliza Fowler Hall to use came the abandonment of the daily chapel exercise of fifteen minutes' duration, and the substitution for it of the weekly convocation, lasting one hour. Even while the old chapel room was yet in use, the chapel exercise had become almost an impracticability, with an assembly room too small to accommodate all, and with the different classes scattered over so wide an area as to make it difficult to assemble within the allotted five minutes.

The convocation exercises vary in character from week to week. They most frequently consist of an address by some prominent personage; sometimes of special music, and not infrequently take the form of announcements concerning the welfare and interests of the University body, or of a mass meeting for the discussion of affairs of the University body by students and faculty.

As indicated before, one of the first public exercises to be held in Eliza Fowler Hall was the commencement of 1903, the events of which it falls to us to record. The Class of 1903 numbered 147 graduates. The Baccalaureate Address on Sunday, June 7, was given by John P. D. John, D. D., LL. D. The Class Day exercises were held on Tuesday following. Alpheus J. Crane delivered the President's Address, John M. Lammadee was the Class Orator, Weeden Green read the Class Poem, Mina J. Crampton the Class History, and Hollie C. Lewis the Class Prophecy. The most remarkable thing about Commencement Day, Wednesday, June 10, itself, was that it did not rain. Eliza Fowler Hall was taxed to its utmost to hold the audience. Abstracts of theses were read by Charles L. Miller, Martin L. Fisher, Anna M. Wurster, Alfred W. Gregg, Watson Conner, and Alpheus J. Crane. The address was given by Edwin D. Mead, of Boston, on the subject: "Emerson's Message in Education." Following this came the conferring of the degrees, in which the Seniors lined up around the platform and received their sheepskins, and the Class of 1903 was thus finally launched upon an unsuspecting and long-suffering world.





Again Fowler Hall enters prominently into the University life, in that it has made possible the lecture and entertainment course which was so successfully carried out this year. The faculty committee having the matter in charge, of which Professor Waldo was chairman, arranged what was without doubt the equal in point of excellence of any similar entertainment course ever given in the United States. The regular course included the following numbers: George Hamlin and Henri Ern, The Kneisel Quartette, Albert Armstrong, F. Hopkinson Smith, Jacob Riis, Inaugural Organ Recital by W. H. Donley, Leland T. Powers, Russel Conwell, and William Butler Yeats. Other notable events were the reading by

James Whitcomb Riley, the recital by David Bispham, and the concert by the Theodore Thomas Orchestra.

The new Physics Building, which is now well under way, will be ready for occupancy January 1. It is to be 130 feet long by 75 feet wide, and include two stories and a basement. The basement and first floor will be devoted to laboratory work, and the second floor to lectures and recitations.

The lecture room will accommodate three hundred students. It is to be thoroughly ventilated by means of an exhaust fan situated in the attic. The windows are to be arranged with vertically moving shutters that can be raised and lowered by means of a hydraulic lift controlled from both the lecture table and the lantern table. By means of a heliostat placed on an iron shelf outside of an opening in the south wall of the lecture room, sunlight can be brought into the lecture room even when it is otherwise darkened. The lecture table will be supplied with connections for gas, water, air pressure, exhaust, and electrical currents of various potentials.

The four recitation rooms are of good size, and well lighted and well ventilated.

The first floor contains the two main laboratories connected by a general apparatus room. Each of these laboratories is a room nearly double the size of that now being used in the Electrical Building as the general Laboratory of Physics. One of these laboratories will be fitted for work in Dynamics and Heat, while the other will be equipped for work in electrical measurements. Opening out of these laboratories are two instructors' offices and six small rooms for special experiments.

The basement is designed for experiments requiring isolation and great stability. Each of these laboratories is supplied with brick piers and numerous electrical circuits extending to the great switchboard situated in the general apparatus room.

Altogether the new Physics Building will be not only modern in every particular but, in addition, it will contain a number of innovations designed especially for making it possible for a large number of students to work simultaneously on experiments of considerable delicacy. The University and the State are to be congratulated on the possession of such an important addition to their scientific and educational equipment.

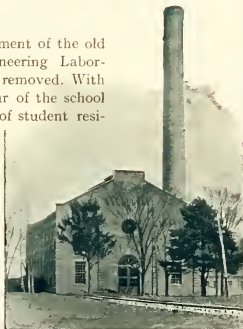
Another important step in the material progress of the institution was made with the completion of the Power and Heating Plant. The building and its appointments are of the latest and most approved type. An appropriation of \$75,000 for the construction and equipment was made by the Legislature of 1903. The building was designed by Professor Goss, and was erected by R. P. Dagget & Co. It contains four large tubular boilers, aggregating 1,000 horse-power. These are fed by automatic stokers, installed by Westinghouse, Church, Kerr & Co. The apparatus for the handling of fuel and ashes is of the most modern and labor-saving type. A tunnel from the plant contains the steam pipes, its branches radiating to the various buildings. The boilers were first fired for use on January 13, and the last connection was made on February 29.

Aside from its direct use for power and heating purposes, the plant furnishes valuable opportunities for instruction in mechanical engineering.

With the completion of the new heating plant came, of course, the abandonment of the old heating plant near the Pharmacy Building, and the boiler room of the Engineering Laboratory. The old plant was dismantled, its boilers sold, and the building will be removed. With its abandonment the old bell, which for many years had sounded at each hour of the school day, at 7:00 p. m., at 10:00 p. m. and at 6:30 a. m., ceased to ring. The zone of student residence had long since extended beyond the sound of the bell, and little attention was paid to it except on the campus. Nevertheless, its passing was marked with regret by many on account of sentimental reasons.

In recognition of the valuable work done at Purdue in locomotive testing, came the Carnegie donation of \$5,000 to Professor Goss to be used in carrying out locomotive researches. As this is one of the first of the donations of the Carnegie Institute to be made for the benefit of the applied sciences, it is significant that it should come to Purdue.

The Laboratory for Testing Materials has been made an official timber-testing station of the Bureau of Forestry, United States Department of Agriculture, with Dr. Hatt in charge. This adds greatly to the importance of the institution.





THE OLD BOILER ROOM—THE LAST FIRE

During the year the Master Car Builders' Association has installed a massive drop-testing machine near the locomotive laboratory. The drop weighs 1,650 pounds, has a maximum fall of fifty feet, and is equipped with an air hoist for handling the materials to be tested and with a double cylinder for raising the drop. This becomes a part of the University's equipment.

Several important improvements have been made on the campus, the most noticeable of which are on the street on which the campus fronts and on the athletic field.

State Street has been paved with asphalt for the entire length of the campus, which, together with the improvements on the hill and levee, makes a continuous asphalt drive from the University to the city.

The old board fence surrounding Stuart Field has been torn away, and replaced by a neat, strong, iron and wire fence. The bicycle track has been graded away, the whole field leveled off, and the cinder track improved.

During the summer of 1903 the dairy barn at the farm was struck by lightning and totally destroyed. It will be replaced during the coming summer by a large, new building, modern in every particular, which is being planned by Professor Van Norman.

The attendance at the University this year has been the largest in the history of the institution. The total enrollment was 1,434, distributed among the classes as follows: Seniors, 199; Juniors, 250; Sophomores, 336; Freshmen, 428; Senior Pharmacy, 36; Junior Pharmacy, 50; Resident Graduates, 24; Non-Resident Graduates, 9; Special 20; Winter Course, 82. This is a total of one hundred more than last year, and this in the face of increased entrance requirements. The instructional force consists of one hundred members.

The attendance at the University is now as large as can be accommodated with the equipment at hand, and it is expected that the future growth of the institution will be along the lines of greater efficiency and a widening of its sphere of influence rather than a large increase in numbers.

October 31, 1903, will long be remembered as the date of the saddest and most terrible event in Purdue's history.

It was the occasion of the annual football game between Purdue and Indiana Universities, which was to have been played at Indianapolis. The scenes on the morning of that memorable date were those of gaiety and anticipation. At both universities enthusiasm was keyed to a high pitch, the capital was in gala colors, and from the surrounding towns on every side spectators were arriving to view the most important athletic contest in Indiana. From Bloomington a special train was bearing the supporters of the Indiana team to the capital. At Lafayette two Big Four trains were made up, carrying Purdue students and citizens of Lafayette; the first one consisting



The
Debris
of
1904

of nine coaches, carrying about a thousand persons, and preceding the second section by ten minutes. In the first coach of this train were the football team and their intimate friends. The train moved rapidly toward the city, making but one stop on the way. The cars were gay with banners and colors, and resounded with the songs and yells of the joyous crowd.

Contrast this scene with the one into which it was transformed almost in the twinkling of an eye, when, on rounding at high speed a curve at the entrance of the city, the Purdue train crashed into a cut of coal cars slowly backing toward it. The engine was buried in a mass of wreckage. The first coach, in which the ill-fated team rode, was reduced to splinters; the second, containing the Purdue band and a number of ladies, was thrown down the steep embankment, while the third coach was forced high on top of the wreckage ahead. A dozen lives were snuffed out in an instant, while strewn among the debris were forty or more persons, mangled and suffering, but living.

But no scene of wild excitement and commotion ensued. With coolness and self-control those who were uninjured set to work quickly to extricate and care for their unfortunate comrades. The wounded proved themselves heroes to a man, and many were the scenes of Spartan self-control and self-forgetfulness displayed. With the aid of ambulances, carriages, and wagons of all descriptions from the city, fortunately near, the dead and injured were removed to places of professional care.

In all seventeen persons lost their lives as a consequence of the disaster. All but one were connected with the University. Forty or more were injured, some slightly, others maimed for life. The cause of the accident was the neglect of the train dispatcher to give notice of the approach of the special.

The blow almost paralyzed the University for the time, and it was not for weeks and even months afterward that affairs assumed a normal aspect. School work was resumed on the Tuesday following the disaster, though for some time it was carried on in a perfunctory manner. There was scarcely a person in the University who was not called upon to mourn the loss or sympathize with the injury of some friend.

Memorial exercises in memory of the departed were held in Eliza Fowler Hall on Wednesday, November 11, during the morning and afternoon. Addresses were delivered by President Stone and by Oliver F. Cutts. There were short addresses by representatives of the trustees, faculty, alumni, and the University classes. Many rep-



representatives of other colleges were present and made short addresses. Letters and messages of condolence had been received from every part of the United States, and a part of these were read at the exercises. Practically every college in the Middle West sent either representatives or letters of condolence.

The first shock of the news of the disaster had scarcely subsided when the subject of a suitable memorial to those whose lives had been lost began to be discussed. Since nearly all of the deceased were members of athletic teams, the suggestion of a Memorial Gymnasium met with the most favor. The *Lafayette Morning Journal* started the movement to obtain funds by a subscription and an editorial on the day following the disaster. A citizens' committee was formed to obtain funds in the city. The Alumni Association took up the matter, and several thousand dollars have been subscribed by the alumni. The Senior, Junior and Sophomore classes have each pledged themselves to give \$1,000, and the Freshman class has promised \$1,500. The Big Four Railroad Company has pledged \$15,000. The trustees of the University have approved the scheme, and have appointed W. B. Stewart, Charles Major and President Stone a committee to take charge of the movement and receive funds for the erection of the memorial.

It is hoped to be possible to erect a large building, which will not only minister to the physical needs of members of the University, but will provide opportunities for social intercourse, now so noticeably lacking, and headquarters for the various activities of students outside of school work. To provide for such a building, \$100,000 will be required. While the subscriptions are as yet a long way from reaching this amount, the interest which has been manifested and the various efforts which are in operation encourage us to believe that our desire will be fulfilled.





At the Louisiana Purchase Exposition this summer, Purdue will be represented by an elaborate exhibit in the Palace of Education. A booth has been fitted up with cabinets containing exhibits of the work of each of the departments, University publications, drawings, plates, etc. The booth is ornamented with a frieze consisting of enlarged photographs of the campus, buildings, military, athletic and local views.

In addition to this exhibit, Purdue will contribute to the State educational exhibit, and also to the collective exhibit of the Land Grant Colleges. For the latter Congress has appropriated \$100,000, the exhibit being in the hands of a committee of which Dr. Stone is a member.

Purdue is still further interested in the Exposition in that Professor Goldsborough is Chief of the Electrical Department.

The history of the year would not be complete without some mention of the plans for Gala Week, at the close of the school year. Heretofore the closing week of school has not been marked by anything out of the ordinary other than the Commencement Exercises. It is now planned to devote the time from Friday, June 3, to Wednesday, the 8th, to merry-making, athletic contests, social events, and other exercises, concluding with the Commencement Exercises. It is hoped that this will prove an occasion of such interest as to draw many visitors from the alumni and friends of members of the University. A committee, consisting of representatives of all the classes and of the faculty, has the arrangements in charge.

We have chronicled the events of a prosperous, eventful year at Purdue, marred only by the one sad event which we can never forget. The Class of 1904, as it leaves the University, extends its best wishes and hope that the future of Purdue may be one of success and prosperity.





PRESIDENT WINTHROP ELLSWORTH STONE

UNIVERSITY — — CALENDAR.

1903

Entrance examinations begin Monday, September 7, 9 A. M.
Examination of delinquents, Tuesday, September 8, 9 A. M.
First semester begins Wednesday, September 9, 10:15 A. M.
Thanksgiving holiday, Thursday, November 26.
Christmas holiday begins Saturday, December 10, 11:30 A. M.

1904

Christmas holiday ends Monday, January 4, 10:15 A. M.
Winter course in Agriculture begins Tuesday, January 5.
First semester ends Saturday, January 30, 12:30 P. M.
Second semester begins Monday, February 1, 8:15 A. M.
Examination for Freshman class, Monday, June 6, 9 A. M.
Second semester ends Tuesday, June 7, 12:30 P. M.
Commencement Day, Wednesday, June 8.

1904

Entrance examinations begin Tuesday, September 6, 8:30 A. M.
Examination of delinquents, Tuesday, September 6, 8:30 A. M.
First semester begins Wednesday, September 7, 10 A. M.
Thanksgiving holiday, Thursday, November 24.
Christmas holiday begins Wednesday, December 21, 4 P. M.

1905

Christmas holiday ends Thursday, January 5, 8 A. M.
Winter course in Agriculture begins Tuesday, January 10, 8 A. M.
First semester ends Saturday, January 28, 12 M.
Second semester begins Monday, January 30, 8 A. M.
Entrance examinations begin Monday, June 5, 8:30 A. M.
Commencement Day, Wednesday, June 7, 1905.



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BOARD OF TRUSTEES

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STANLEY COULTER, Ph. D., Secretary of the Faculty.	

THE COUNCIL

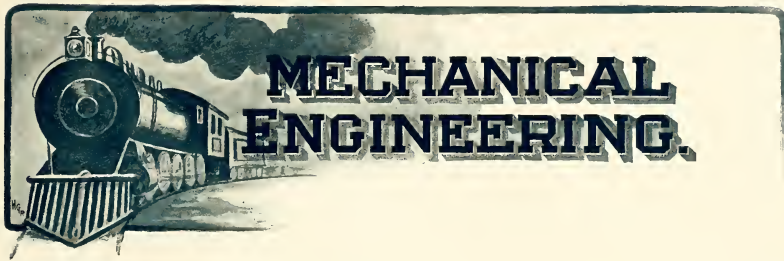
THE PRESIDENT; PROFESSORS GOSS, COULTER, M. J. GOLDEN, WALDO, MORAN, PENCE, KENYON, McRAE, LATTA, EVANS, HATT, AVERS.

STANDING COMMITTEES

Discipline—PROFESSORS GOSS, COULTER, M. J. GOLDEN, PENCE, LATTA.

Entrance Examinations—PROFESSOR AVERS, MR. ERNST, MR. BECKETT.
Delinquent Students—PROFESSORS KENYON, HATT, WESTLUND.
Attendance—PROFESSORS PENCE, SMITH, EVANS.
Athletics—PROFESSORS MORAN, JAMISON, ESTERLINE, COULTER.
Military—PROFESSORS ALBRIGHT, FLUEGEL, ALFORD.
Student Organizations—PROFESSORS MORAN, WALDO, BURRAGE.
Public Lectures—PROFESSORS WALDO, MORAN, FERRY, McRAE.





THE advancement of the Mechanical Engineering Department at Purdue, during the past year, has been marked by more than the usual number of innovations and additions. Not only has it established new relations with the outside commercial and experimental world, but it has also greatly strengthened those relations already existing, and inasmuch as our connection with the engineering institutions and societies outside of our own University measure to a great degree the extent to which we may expect to attain success as an engineering institution, we can not lay too great stress on the fact that our course of instruction is looked upon not only with approval, but with favor by such organizations as the Master Car Builders' Association and the Carnegie Institution of Washington.

The position which our experimental research of the past few years has won for us with the Master Car Builders has been made more significant by the establishment in our laboratories, by the Association, of a new and valuable drop-testing machine, adapted to the testing of car couplers, draft gears and bolsters.

Even more important to the mind of the student is the new relation which has been established with the United States Department of Agriculture. Purdue has been made an official testing station of the Bureau of Forestry



of that department, and as a result will naturally be brought more before the eyes of the public. Professor Hatt, who is the expert of the Government, has been largely instrumental in the establishment of this station and has reflected great credit on the University by his work.

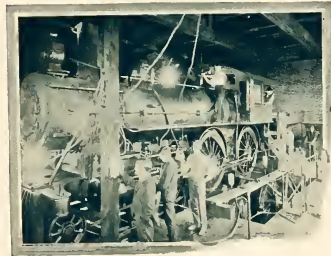
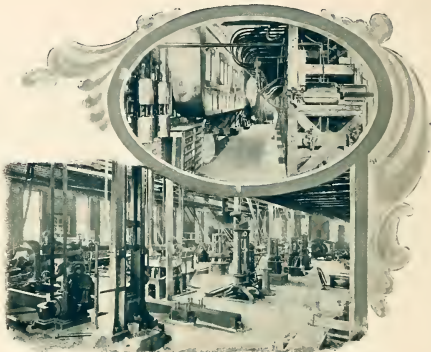
The Carnegie Institution has recognized the work of Dean Goss in locomotive testing, in which he is an acknowledged leader, by granting the department \$5,000 for the promotion of research in locomotive performance.

Perhaps the most tangible evidence of advance is that worked by the erection of the new Power Plant. The existence of this new building has increased the facilities of the Engineering Laboratory by making it possible to place the source of power in a separate building, thus giving up the whole of the present Laboratory to experimental research. It is expected that before the beginning of the next University year the old boiler rooms will be devoted to gas engine testing, while the present Heating Plant will be arranged and equipped extensively for boiler testing.

When one considers that these evident and visible advances have been made while the department has been taking care of a number of students far in excess of those ever accommodated before, it is easily seen that the year has been one of success, and is a cause for congratulation to those of the faculty who have participated in its achievements.

During the past few years, since Purdue has come to be a rapidly growing institution, those in charge of the Mechanical Engineering Department have constantly had in mind a definite plan for expansion, which will be put in operation, gradually of necessity, but none the less surely, as soon as the necessary funds are forthcoming. The scheme, in embryo, involves the building of a new home for the Department of Practical Mechanics, which will relieve the present congested condition of the Engineering Laboratories by allowing Strength of Materials Laboratory to expand into the parts of the building at present occupied by the shops.

When the Legislature appropriates the money for the construction of such a building of Practical Mechanics, we may look forward to a period of advancement for our Mechanical Engineering Department which will surpass any that it has had since its inception, and which will bid fair to put its course of instruction on a level with, if not above, any similar one in the country.



The
Debris
of
1904



FACULTY OF THE SCHOOL OF MECHANICAL ENGINEERING

- WILLIAM FREEMAN MYRICK GOSS**, Director of the Engineering Laboratory and Dean of the Schools of Engineering. Certificate of Graduation, Massachusetts Institute of Technology, 1870; M. S., Wabash College, 1888. Member and past Manager of the American Society of Mechanical Engineers; Member of the International Association for Testing Materials; Fellow of the American Association for the Advancement of Science; Member of the Council of the Society for the Promotion of Engineering Education; Member and Past President of the Western Railway Club; Member of the Indiana Academy of Science; Member of the Indiana Engineering Society; Contributing Editor of the *Railroad Gazette*; Member of Jury of Awards, Columbian Exposition; Chairman, Advisory Committee of the Pennsylvania Railway Company charged with testing locomotives at the Louisiana Purchase Exposition; Expert in Charge of Mechanical Engineering Exhibit, Land Grant Colleges, Louisiana Purchase Exposition.
- WILLIAM KENDRICK HATT**, Professor of Applied Mechanics. A. B., University of New Brunswick, 1887; C. E., Cornell University, 1891; M. A., University of New Brunswick, 1898; Ph. D., 1901. Sigma Xi. Alpha Tau Omega. Member Society for the Promotion of Engineering Education; Associate Member American Society of Civil Engineers; Member Indiana Engineering Society; Fellow Indiana Academy of Science; Member American Society for Testing Materials; Member International Society for Unification of Tests of Materials; Chief, Section of Timber Tests, Bureau of Forestry, United States Department of Agriculture.
- JAMES DAVID HOFFMAN**, Associate Professor of Engineering Design. B. M. E., Purdue University, 1890; M. E., 1893. Tau Beta Pi. Member American Society of Mechanical Engineers; Member American Society of Heating and Ventilating Engineers; Member Indiana Engineering Society; Member Indiana Academy of Science.
- EDWARD ELLSWORTH REYNOLDS**, Associate Professor of Experimental Engineering. B. M. E., Purdue University, 1894. M. E., 1895. Tau Beta Pi. Sigma Nu.
- JAY ROBERT MCCOLL**, Associate Professor of Steam Engineering. B. S., Michigan Agricultural College, 1890. Phi Delta Theta. Member American Society of Mechanical Engineers; Member Society for the Promotion of Engineering Education.



FACULTY OF THE SCHOOL OF MECHANICAL ENGINEERING

LLEWELLYN V. LUDY, Assistant Professor of Mechanical Engineering. B. S., in M. E., Purdue University, 1898; M. E., 1900. Tau Beta Pi. Member Society for the Promotion of Engineering Education.

LOUIS EUGENE ENDSLEY, Instructor in Locomotive Laboratory. B. S. in M. E., Purdue University, 1901; M. E., 1903. Tau Beta Pi. Phi Kappa Psi.

EUGENE WYCLIFFE KERR, Instructor in Machine Design. B. S., Agricultural and Mechanical College of Texas, 1896; M. E., 1899. Junior Member American Society of Mechanical Engineers, Member Western Railway Club; Member Texas Academy of Science.

GILBERT AMOS YOUNG, Instructor in Engineering Laboratory. B. S., South Dakota Agricultural College, 1894; B. S., Purdue University, 1899. Tau Beta Pi. Member Indiana Engineering Society; Junior Member American Society of Mechanical Engineers.

EMILE JEROME FERMIER, Instructor in Applied Mechanics. B. M. E., Purdue University, 1894; M. E., 1895. Tau Beta Pi; Member of Executive Council 1894-1902. Member Society for Promotion of Engineering Education.

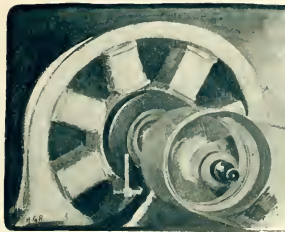
FRITZ B. ERNST, Instructor in Car and Locomotive Design. B. S., Purdue University, 1900. Tau Beta Pi. Phi Kappa Psi.

EDWARD LEE HANCOCK, Instructor in Applied Mechanics. B. S., University of Wisconsin, 1898; M. S., 1901. Member American Mathematical Society; Member American Society for Testing Materials; Member Society for the Promotion of Engineering Education; Member Wisconsin Academy of Arts, Letters and Science.

CICERO BAILEY VEAL, Assistant in Machine Design. B. S., Purdue University, 1902. Tau Beta Pi.

NED JOHNSON WHEELER, Assistant in Engineering Laboratory. B. S., Purdue University, 1902. Tau Beta Pi.

CLAUDE SYLVESTER JOHNSON, Assistant in Machine Design. B. S., Purdue University, 1901.



ELECTRICAL ENGINEERING.



THE application of electricity to engineering and to the sciences has become so extensive and the study of electrical engineering in all its phases so broad, that it is impossible to gain a thorough knowledge of it in the short space of a four years' college course. After finishing the course the student's ideas will of necessity be somewhat vague and the facts he has learned apparently all in a jumble, due to the fact that so much is attempted in four years. The college course is but the beginning—the foundation—of the student's education. It is the aim of the Electrical Department to give a course which will establish firmly the foundation of an education in electrical engineering. The student is taught the fundamental principles underlying all branches of electrical engineering, so that after graduation he can readily take up any branch of the work he may desire to specialize in and become proficient in that chosen line. For the accomplishment of this purpose, the best and most up-to-date texts are used in the theoretical study, the actual behavior of dynamos and motors under varying conditions of operation and the conditions existing in circuits of different character are studied, and a practical course in electrical design is given. Furthermore, the student is taught habits of doing his work thoroughly and paying strict attention to what is before him to do. It has been the special effort of the department during the year 1903-04 to give the student a more thorough course in alternating currents than has been given heretofore, and to put him into closer touch with the best practices of the profession.

The material equipment of the laboratories has been increased this year by the addition of twenty-two cells of storage battery, a vehicle motor used as a series dynamo, additional wiring and switchboard capacity, and several new instruments for both alternating and direct current. The work of the Department has been greatly aided by this additional apparatus, but is still handicapped by the lack of low reading instruments. The old street-car



its head Prof. W. E. Goldsborough, a man whose engineering ability is evidenced by his present position as Chairman of the Committee of Electrical Exhibits for the St. Louis Exposition. During Professor Goldsborough's absence, Professor J. W. Esterline is the acting head of the department, and has shown his ability to fill the position. It is to be deeply regretted that we can not have Professor Matthews, who is away on leave on account of serious trouble with his eyes, with us this year.

Surely no one has applied himself more earnestly and unselfishly to the betterment of any branch of science or engineering than has Professor Matthews to the improvement of photometry. We may all take a lesson in steady effort for the accomplishment of a purpose from his example. We are fortunate in having with us to take up Professor Matthews' work in instruction Professor H. T. Plumb, who is a graduate of the University of Wisconsin. The younger members of the department are Mr. A. N. Topping, from the University of Kansas, Mr. H. C. Walter, from Massachusetts Institute of Technology, and Mr. W. T. Small, of the Class of 1903.

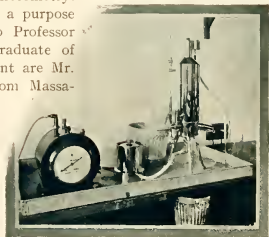
The Department of Telephone Engineering is still under the able direction of Professor J. C. Kelsey, and the utility of this work has been considerably increased by the addition of much new and improved apparatus.

Truly the Electrical Department has fulfilled the prophecy concerning it, that it would contribute its share to the glory of Purdue.

motors have been removed from the laboratory, and will be replaced by machinery of the most modern type.

A special feature of the Department this year is the Purdue Research Laboratory, an exhibit in the Electricity Building at the St. Louis Exposition, which shows the special research work that has been carried on at the Laboratory here. This exhibit includes Matthew's photometers, magnetic testing machines, and other special apparatus.

The personnel of the department is almost completely changed this year, and this, together with the late arrival of Professor Plumb, handicapped the work to some extent until the new order of things was thoroughly adjusted. The department is fortunate in having at



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FACULTY OF THE SCHOOL OF ELECTRICAL ENGINEERING

WINDER ELWELL GOLDSBOROUGH, Professor of Electrical Engineering; Director of Electrical Laboratory.

M. E., Cornell University, 1892. Beta Theta Pi. Member American Institute of Electrical Engineers; Member Institute of Electrical Engineers of England; Member Franklin Institute; Member American Association for the Advancement of Science; Member Society for the Promotion of Engineering Education; Member of the Committee on Arc Lamp Photometry of the National Electric Light Association.

CHARLES PHILO MATTHEWS, Professor of Electrical Engineering.

M. E., Cornell University, 1892; Ph. D., 1901. Sigma Xi. Member American Institute of Electrical Engineers.

JOHN WALTER ESTERLINE, Assistant Professor of Electrical Engineering.

Fort Wayne College, 1893; B. S., Purdue University, 1897. Tau Beta Pi. Member American Institute of Electrical Engineers; Member American Society for Testing Materials; Member American Society for the Promotion of Engineering Education; Chairman Committee of American Society for Testing Materials on "The Magnetic Properties of Iron and Steel."

JAMES CEZANNE KELSEY, Assistant Professor of Telephone Engineering.

B. S., Kansas State University, 1895. Phi Kappa Psi. Member American Institute of Electrical Engineers.

HYLON THERON PLUMB, Assistant Professor of Alternating Currents.

Milton College, 1896, M. S., 1901; B. E. E., University of Wisconsin, 1901. Tau Beta Pi, Member Executive Council. Associate Member American Institute of Electrical Engineers.

ALANSON NILES TOPPING, Instructor in Electrical Engineering.

B. S., Kansas State University, 1894. Sigma Xi. Member American Chemical Society.



FACULTY OF THE DEPARTMENT OF PHYSICS

ERVIN SIDNEY FERRY, Professor of Physics. B. S., Cornell University, 1889. Sigma Xi. Delta Kappa Epsilon. Some time Fellow of Physics at Cornell and Johns Hopkins Universities; Member of American Physical Society; Member American Electro-Chemical Society; Member Astronomical and Astrophysical Society of America.

CHARLES MARQUIS SMITH, Assistant Professor of Physics, B. S., University of Wisconsin, 1896. Member Astronomical and Astrophysical Society of America.

ARTHUR TABER JONES, Instructor in Physics. B. S., University of Chicago, 1899. Phi Beta Kappa. Member American Association for the Advancement of Science.

LAUREN DALE NORDSTRUM, Assistant in Physics. B. S., Purdue University, 1901.

ORIN TUGMAN, Assistant in Physics. A. B., Indiana University, 1903.

CLINTON JOSEPH DAVISSON, Assistant in Physics. Sigma Alpha Epsilon.

HARRY CASPER WALTER, Instructor in Electrical Design. B. S., Worcester Polytechnic Institute, 1900. Phi Gamma Delta. Associate Member American Institute of Electrical Engineers.

WILLIAM TELFORD SMALL, Assistant in Electrical Engineering. B. S., Purdue University, 1903. Tau Beta Pi.



ALTHOUGH the Civil School is looked upon perhaps as the youngest, and certainly the smallest of the three engineering departments, it nevertheless possesses the proud distinction—a fact unknown to all save those whose connections with the University are a part of its ancient history—of graduating Purdue's first student in technical engineering. This rightful boast was afforded the school by Professor David G. Herron, who bore the rather comprehensive title of Professor in Mathematics and Civil Engineering. He induced—we are led to believe—Mr. W. K. Eldridge, a graduate in Science, in the Class of '77—the fourth graduating class of the University—to return the following year and gain a B. S. in C. E. Mr. Eldridge, however, was the only civil graduate Professor Herron produced.

For several years following this event, swift changes occurred in the University courses. In 1879 Professor Goss formed his first connection with the institution as the head of the newly created Department of Practical Mechanics. Out of this school grew the three engineering departments we now distinctly recognize. In 1882 a mechanical school was begun under the direction of the Military Commandant, but in 1883, A. W. Stahl was appointed as professor in charge. A few years later the Electrical Department was begun, and in 1887, Professor A. E. Phillips, of Union College, was secured as chief of the Department of Civil Engineering.

The first practical instruction in technology was delivered in the old Pharmacy Building, but at the time of the formation of the Civil Course, Science Hall was the scene of the technical schools. Prior to this time instruction



in civil work had been given only as an elective to Mechanical Engineering. The basement of the main building served as quarters for the department, a few instruments being kept in what is now the Civil Engineering thesis room.

From this humble origin the school has grown to a size and an importance which many now fail to appreciate. In 1893 Professor Phillips was succeeded by Professor Fred Morley, and in 1899 he in turn resigned his position to Professor W. D. Pence, of the University of Illinois. Since the beginning, the enrollment in this department has seemed to lag somewhat behind that of the other two schools, and though it has not yet overtaken the leaders, its growth in the past five years has been marvelous. At present the enrollment is three and a half times that which it was in 1899. The total number of students in the Mechanical Course is nearly 350, in the Electrical Course 400, and in the Civil 300, but the numbers in the Freshman Class show a more favorable proportion.

So much for its classification with other departments at Purdue. It is not in a spirit of boasting, however, so much as in a desire to present facts that we compare it with the Civil Engineering schools of the country. Last year it possessed the distinction of having the largest enrollment in this course of any American school, and, although the increased requirements for admission to Purdue allowed Illinois to go ahead this year, due to an exceeding influx of Freshmen, Purdue still possesses the largest field classes of any civil institution. Her draughting space is crowded, but in her equipment of instruments and testing apparatus she holds a place in the very first ranks. Her instructional force is rather limited, but the results speak wonders for the ability of its members.

And, indeed, it is the results upon which the school bases its proudest and surest claims. Its curriculum includes the study of Railroad, Bridge, Hydraulic, Municipal, and Sanitary (elective) Engineering, with special men in charge. Of its graduates about sixty per cent enter railroad work, the remainder being more or less evenly divided among the other fields. Their attainments have been notable. One chief engineer and two principal assistant engineers of trunk line railroads running out of Chicago are among the graduates; also, representatives in the Philippines and Panama, and members of the United States Geological Survey, the Irrigation Reclamation Service, and the United Coast Survey. In all cases Purdue's men have held their own in competition with the graduates of other schools, and have been sought after by the greatest engineering enterprises. These facts, the surest measures of its worth, make the School of Civil Engineering a safe and sure course for the prospective student and a source of pride and gratification to Purdue and all her sons.





FACULTY OF THE SCHOOL OF CIVIL ENGINEERING

WILLIAM DAVID PENCE, Professor of Civil Engineering. B. S., University of Illinois, 1886; C. E., 1895. Tau Beta Pi. Member American Society of Civil Engineers; Member American Railway Engineering and Maintenance of Way Association; Member Western Society of Engineers; Member Indiana Engineering Society; Member Western Railway Club; Member Society for the Promotion of Engineering Education.

GEORGE ELLSWORTH WAESCHE, Assistant Professor of Civil Engineering. A. B., Western Maryland College, 1891; C. E., Cornell University, 1895. Member Indiana Engineering Society.

CHARLES VICTOR SEASTONE, Assistant Professor of Sanitary Engineering. B. S., University of Illinois, 1895. Tau Beta Pi. Member Indiana Engineering Society.

HARRY OTTO GARMAN, Instructor in Civil Engineering. B. S., Purdue University, 1902.

ARTHUR WATSON CONNER, Assistant in Civil Engineering. B. S., Purdue University, 1903. Member Indiana Engineering Society.







FACULTY OF THE DEPARTMENT OF MATHEMATICS

CLARENCE ABIATHAR WALDO, Head Professor of Mathematics. A. B., Wesleyan University, 1875; A. M., Wesleyan University, 1878; Ph. D., Syracuse University, 1893. Phi Beta Kappa; Sigma Xi. Alpha Delta Phi. Fellow of American Association for the Advancement of Science; Individual Member North Central Association of Colleges and Secondary Schools; Member Society for the Promotion of Engineering Education, Vice-President Mathematical Section 1903, Secretary and Editor of the Proceedings; President State College Association, 1891; President State Academy of Science, 1897.

MOSES COBB STEVENS, Professor Emeritus of Higher Mathematics. A. M., Earlham College, 1882. Member Indiana College Association; Fellow Indiana Academy of Science; Life Member National Educational Association; Member American Mathematical Society.

THOMAS GREENE ALFORD, Professor of Mathematics. A. B., Indiana University, 1871; A. M., Indiana University, 1888. Phi Kappa Psi.

ERASTUS TEST, Professor of Mathematics. B. S., Earlham College, 1863; M. S., Earlham College, 1866; M. D., University of Michigan, 1868.



FACULTY OF THE DEPARTMENT OF MATHEMATICS

ALFRED MONROE KENYON, Professor of Mathematics; Registrar of the University. A. B., Hiram College, 1894; A. M., Harvard University, 1898. Member American Mathematical Society; Member the Society for the Promotion of Engineering Education.

JACOB WESTLUND, Associate Professor of Mathematics. Ph. D., Yale University, 1898. Member American Mathematical Society; Member Indiana Academy of Science; Member German Mathematical Society.

CHARLES H. BECKETT, Instructor in Mathematics. A. B., Cornell University, 1897.

WILLIAM H. BATES, Instructor in Mathematics. A. B., Vanderbilt University, 1894; A. M., University of Chicago, 1902. Member American Mathematical Society.

ARCHER EVERETT YOUNG, Instructor in Mathematics. A. B., Wesleyan College (Conn.), 1898; Ph. D., Princeton, 1903. Phi Beta Kappa. Alpha Delta Phi. Member American Mathematical Society.

ADAM MILLER HILTERBEITEL, Instructor in Mathematics. A. B., Princeton, 1900; A. M., 1901. Phi Beta Kappa.



Prof. Golden

Prof. Turner

Prof. Jamison

FACULTY OF THE DEPARTMENT OF PRACTICAL MECHANICS

MICHAEL JOSEPH GOLDEN, Professor of Practical Mechanics. B. S., Purdue University, 1894; M. E., 1895. Member Society of Naval Architects and Marine Engineers. Member Indiana Academy of Science; Member American Society of Mechanical Engineers.

WILLIAM PAYSON TURNER, Assistant Professor of Practical Mechanics. School of Mechanic Arts, Massachusetts Institute of Technology. Junior Member American Society of Mechanical Engineers. Member Society for the Promotion of Engineering Education.

ALPHA PIERCE JAMISON, Assistant Professor of Mechanical Drawing. B. E. E., Purdue University, 1895; M. E., 1897. Kappa Sigma. Junior Member American Society of Mechanical Engineers.

WILLIAM McEWEN NYE, Instructor in Practical Mechanics. B. S., Purdue University, 1900.

EDWIN BURTON SMITH, Instructor in Descriptive Geometry. B. S., Purdue University, 1900; E. E., 1903.

ALEXANDER MASSEY WILSON, Instructor in Mechanical Drawing. B. S., Purdue University, 1900; M. E., 1903.

JOHN HENRY CHANDLER, Assistant in Practical Mechanics.

EDWARD NICHOLAS, Assistant in Forge Room.

ELMER E. ILGENFRITZ, Assistant in Practical Mechanics. B. S., Purdue University, 1902.

RALPH BROWN TRUEBLOOD, Assistant in Practical Mechanics. B. S., Purdue University, 1900.

BROOKS B. ELLISS, Assistant in Foundry.

ALPHEUS JENNINGS CRANE, Assistant in Practical Mechanics. B. S., Purdue University, 1903. Tau Beta Pi.

LEON SILBERBERG, Assistant in Practical Mechanics. B. S., Purdue University, 1903.

JOHN ROBBINS McCONNEL, Assistant in Practical Mechanics.





SCIENCE.



THE Science Course is designed to give a thorough training in chemical, biological and physical sciences and their applications; not only the theoretical side, but their application to the practical affairs of life. This course offers inducements both for the student who desires a general course for teaching, or for one who wishes to specialize in a certain line of work, such as Biology, Chemistry, Industrial Art, Physics and Sanitary Science. Those taking a Pre-medical Course are not allowed to elect in several lines, but are obliged to follow the catalogued studies.

As a Freshman the Science student pursues a literary course—English, German, Botany, Mathematics and Art. As a Sophomore he adds French and Physics and advances to Biology in place of Botany. When a Junior he is allowed considerable latitude in the choice of studies, but English and French or German are required in addition to three electives. In the Senior year Human Physiology, Geology and Economics are required with the electives.

There was a time when the scientist was looked down upon, and it was thought he was wasting his time. He dealt too much with the insignificant and unworthy, but that day has passed, and from all quarters comes the call for the scientist, the man or woman who knows the "why" and "how." Such excellent opportunities are offered to graduates in the Purdue Science Course that the number of students increases greatly from year to year, and the University spends large sums keeping the laboratories supplied with the newest and best equipment.

The chemical laboratories will accommodate 176 students at a time, and are supplemented by balance rooms, store rooms, and a department library for the chemists' use. In the other laboratories are found microscopes, microtomes, dissecting instruments, and herbarium; and there is also a museum, a fine collection which furnishes excellent material for the zoology student.

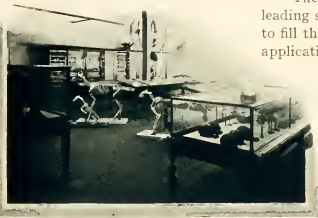
The Pre-medical Course becomes separated from the general course in the Junior year. The work is so arranged that students after graduation can obtain credit for from one to two years' work in a medical college.

While all courses of the University are open to the girls, the greater number by far enter the Science course. Here the Purdue girl has an opportunity to obtain a general knowledge of science, to specialize in some line of it or to study art. The Art Department has its rooms in the Ladies' Hall, where are found a large drawing-room containing excellent photographs and casts, china painting, wood carving, and kiln rooms. One could hardly say these rooms accommodate the classes, for they are crowded every day, but they are pleasantly situated and the work is very enjoyable. A yearly exhibit in June shows what has been accomplished in the preceding year.

The growth of the Science Course in the past year is a testimony of its worth. Great manufacturing concerns call for the aid of the chemist. The biologist helps the farmer to save his crops by overcoming destructive pests, and he is called on to solve the great problems dealing with public health, and even the engineer comes to him many times for aid. The school has furnished a great number of successful teachers who reflect great credit upon their alma mater.

The Department of Technical Chemistry is recognized as one of the leading schools of its kind in the West. Its work consists in preparing men to fill the position of chemist in various industrial concerns. The practical application of chemistry to the industrial arts to any considerable extent has been comparatively recent, but its value has been widely recognized, so that now there is scarcely any important branch of manufacture that does not utilize the services of the technical chemist. The field thus opened for chemists is a large one, and the demand for such men is so great that Purdue graduates in this course find little difficulty in obtaining excellent positions.

So the time has passed when the scientist is scorned, and may the future bring him added success.





FACULTY OF THE SCHOOL OF SCIENCE

STANLEY COULTER, Professor of Biology and Director of Biological Laboratories.

Hanover College, A. B., 1871; A. M., 1874, Ph. D. 1889. Beta Theta Pi. Fellow Indiana Academy of Science; Fellow American Association for the Advancement of Science; Director National Society for Preservation of Wild Plants; Member Indiana State Board of Forestry; President Indiana Academy of Science, 1897; Member State College Association; Member Association of Colleges and Secondary Schools of Northwest.

JOSEPH CHARLES ARTHUR, Professor of Vegetable Physiology and Pathology.

PERCY NORTON EVANS, Professor of Chemistry and Director of Chemistry Laboratory.

B. S., McGill University (Montreal, Canada), 1890; Ph. D., University of Leipsic (Germany), 1893. Member American Chemical Society; Fellow Indiana Academy of Science; Exhibition of 1891, Science Scholar (London), 1891-1893.

JAMES HARVEY RANSOM, Associate Professor of Chemistry.

B. S., Wabash College, 1890; M. A., Wabash College, 1893; Ph. D., University of Chicago, 1899. American Chemical Society; Fellow Indiana Academy of Science; Member State College Association; Member Association of Colleges and Secondary Schools of Indiana.

KATHERINE ELIZA GOLDEN, Assistant Professor of Biology.

Graduate State Normal School, Salem, Mass., 1886; B. S., Purdue University, 1890; M. S., 1892. Fellow Indiana Academy of Science; Fellow American Association for Advancement of Science; Fellow National Science Club; Member American Forestry Association; Member Training School Staff, St. Elizabeth's Hospital.



FACULTY OF THE SCHOOL OF SCIENCE

SEVERANCE BURRAGE, Assistant Professor of Sanitary Science.

B. S., Mass. Institute of Technology, 1892. Delta Kappa Epsilon; Member Indiana Delta Kappa Epsilon Association. Lecturer on Sanitation, Central College of Physicians and Surgeons; Lecturer on Sanitation, Training Schools for Nurses of St. Elizabeth's, Soldiers' Home, and Lafayette Home Hospitals; Bacteriologist for Home Hospital; Member North American Public Health Association; Member Indiana Engineering Society; Fellow Indiana Academy of Science; Honorary Member Tippecanoe County Medical Society and Indiana State Medical Society.

EDWARD G. MAHIN, Instructor in Chemistry.

B. S., Purdue University, 1901; M. S., Purdue University, 1903. Tau Beta Pi. Member Indiana Academy of Science; Member American Chemical Society.

LOUIS AGASSIZ TEST, Instructor in Chemistry.

B. M. E. (in E. E.), Purdue University, 1894; A. C., Purdue University, 1896.

ALFRED WILLIAM GREGG, Assistant in Chemistry.

B. S., Purdue University, 1903. Tau Beta Pi. Phi Gamma Delta.

WILLIAM HENRY TEST, Assistant Professor of Chemistry. (Absent on leave.)

B. S., Purdue University, 1892, M. S., Purdue University, 1893.



FACULTY OF THE DEPARTMENT OF LITERATURE, LANGUAGE, HISTORY AND ART

EMMA MONT McRAE, Professor of English Literature; Lady Principal Brookville College; A. M., Wooster. Member National Teachers' Association; Member State Teachers' Association.

THOMAS FRANCIS MORAN, Professor of History and Political Economy. A. B., University of Michigan, 1887; Ph. D., Johns Hopkins University, 1895. Phi Beta Kappa. Member American Historical Association; Member American Political Science Association.

LAURA ANNE FRY, Professor of Industrial Art. Pupil of William Chase, William Fry and Louis L. Rebisso. Member Art Students' League, New York.

PAULINE MARIOTTE DAVIES, Professor of French. Scholarship, École Normale Supérieure; Diploma, University of France. Editor Elementary Scientific Reader; Official Delegate of the Alliance Française, of France.

ERNST JACOB FLUEGEL, Professor of German. Ph. D., University of Bonn. Member Modern Language Association of America.

EDWARD AYERS, Professor of Rhetoric. B. A., Amherst College, 1878; M. A., 1885. Phi Beta Kappa. Psi Upsilon.



FACULTY OF THE DEPARTMENT OF LITERATURE, LANGUAGE, HISTORY AND ART

NELLIE PHILLIPS SAMPSON, Instructor in Wood Carving. Studied in Art Students' League of New York, Cincinnati Art Academy and Academy of Fine Arts, Siena, Italy.

JOHN HEISS, Instructor in German. A. B., Harvard, 1893; A. M., Harvard, 1900.

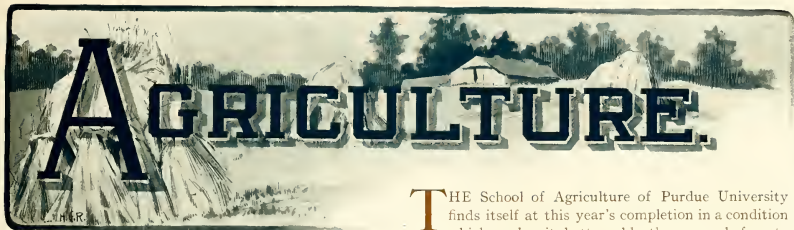
CAROLYN ERNESTINE SHOEMAKER, Instructor in English. B. S., Purdue University, 1888; M. S., Purdue University, 1889.

CLYDE BARNES COOPER, Instructor in English. A. M.

EDWARD HATTON DAVIS, Instructor in History and Economics. B. S., Massachusetts Institute of Technology, 1900. American Economics Association; American Statistical Association; Boston Sociological Society.

FREDERICK RICHARD DAPPRICH, Instructor in German. A. B.

WILLIAM REED BISHOP, Instructor in German. Ph. B., University of Chicago, 1897.



THE School of Agriculture of Purdue University finds itself at this year's completion in a condition which makes it better able than ever before to

face the great task of educating the young farmers of Indiana. Well established in the commodious quarters afforded by Agricultural Hall, and with the more liberal patronage of the agricultural classes of Indiana, it is in many respects far in advance of its condition of a few years past.

During the present year its successes in several lines are testimony to its advancement. There have been enrolled as students in the school, for the regular and special courses of study, over one hundred and fifty young men and women. There have also more than three hundred mature and practical farmers been in some way instructed at the school. These, together with some hundreds who have been reached through the college extension work in the nature of Farmers' Institutes, form quite a considerable part of the agricultural class of Indiana who have been touched by the influence of the school.

In the line of Animal Husbandry the school has achieved quite an enviable success and a victory over the agricultural colleges of the West when, during December last, at the International Live Stock Exposition at Chicago, "White Marshall," a handsome white steer, a product of Purdue Farm, took first prize

over all college animals of his class, excepting the champion from Nebraska. This was a signal victory when it is remembered that some of the Western colleges were supposed to be vastly superior to our own in their Animal Husbandry Departments.

Only one event in the past year tended in any way to mar the glowing prospects of the school. On July 10, 1903, during a heavy storm, the large dairy barn at Purdue Farm was struck by lightning and totally destroyed, entailing a heavy loss in feed and equipment. The want thus created was temporarily supplied by the erection



The application of science to the industrial arts has taken place only in comparatively recent times, and strangely enough, agriculture, the oldest industry of all, has been the last to receive the benefits of applied science. The United States has done more than any other nation to advance the science of agriculture, and Indiana has contributed a large part to the general progress through her Experiment Station and School of Agriculture at Purdue. Here the sciences of Chemistry, Physics, Biology and Bacteriology are studied directly with reference to their application to the various forms of agricultural production and economy. The results of such study are plainly visible in the advancing condition of agriculture in and around the state. Formerly the "school farmer" was the subject of ridicule among a certain class of agriculturalists, but he has so effectively demonstrated the worth of his education that prejudice against him has disappeared, and the future agriculturalist of Indiana will be the educated, scientific product of our technical schools.

of a barn which is at present being used as a dairy barn, but will become a feeding barn when the much-needed dairy barn is built.

The recent great need of equipment for the school has been very satisfactorily met by the Agricultural Hall with its well arranged offices and classrooms and thoroughly equipped laboratories. The second year of its use has only served to prove the adaptability of the structure. The Dairy and Veterinary Laboratories have been pronounced by competent critics to be equal in equipment and efficiency to any in the country.

This, together with the great interest being taken in the school by both agriculturalists and others, should lend weight to the assertion that Purdue has in this department as well as in others a course equal to that of any corresponding institution in the country.





Prof. Latta

Prof. Troop

Prof. Goss

FACULTY OF THE SCHOOL OF AGRICULTURE



WILLIAM CARROLL LATTA, Professor of Agriculture. B. S., Michigan Agricultural College, 1877; M. S., 1882. Superintendent, Indiana Farmers' Institute.

JAMES TROOP, Professor of Horticulture and Entomology. B. S., Michigan Agricultural College, 1878; M. S., 1882. State Entomologist; Member A. A. A. S.; Member American Pomological Society.

ARTHUR GOSS, Professor of Agricultural Chemistry; Director of Experiment Station. B. S., Purdue University, 1888; A. C., 1889; M. S., 1895. State Chemist.



Prof. VanNorman

Prof. Skinner

Prof. Wiancko

FACULTY OF THE SCHOOL OF AGRICULTURE

HUBERT EVERETT VAN NORMAN, Associate Professor of Dairying. B. S., Michigan Agricultural College, 1897.

JOHN HARRISON SKINNER, Associate Professor of Animal Husbandry. B. S., Purdue University, 1897.

ALFRED THEODORE WIANCKO, Associate Professor of Agriculture. B. S. A., University of Toronto, 1895.

ROBERT ALEXANDER CRAIG, Instructor in Veterinary Science. D. V. M., Iowa State College, 1897.

MARTIN LUTHER FISHER, Assistant in Agriculture. B. S., Purdue University, 1903.





HARMACY is one of our youngest departments, having been founded in the year 1884, ten years after the opening of the University. One need not be surprised, then, to find it in one of the oldest buildings on the campus, for this building has been the cradle of nearly every department at Purdue. The Laboratory, as it was formerly called, was built for the Chemistry Department, was used for the Physics Laboratory, was misused by the Department of Mechanics, and is now, in its old age, being cared for by the Pharmacy School.

This is a practical age and Purdue a school for practical purposes. The Pharmacy School, following in the steps of its predecessors, and benefiting by their experiences, has acquired for its work equipment of practical value. There are two general laboratories, each capable of accommodating seventy

students. A store or supply room, a balance or weighing room, a pharmacognosy room, three offices, a lecture room and a library room fill the remaining space in the Pharmacy Building. The laboratories are furnished with large chemistry desks, each provided with roomy lockers and combination locks. The supply room is arranged to distribute the apparatus and supplies necessary to a chemistry or pharmacy laboratory. It is needless to say that the apparatus is of modern make and the supplies of the greatest variety. It is not necessary to quote the annual catalogue by naming in detail the special apparatus in this department, but suffice it to say that the equipment necessary to a school of pharmacy, such as microscopes, balances, pill and tablet machines and molds, is not lacking here.

The work of the Pharmacy Department is practical in a high degree. The course involves a great number of subjects, all of which have a direct bearing on the profession of pharmacy. Chemistry is studied more, perhaps, than Pharmacy, Pharmacognosy, or Materia Medica, including as it does organic and inorganic chemistry.



qualitative and quantitative analysis, and practice in manufacturing chemistry. Special work is done in urinalysis, toxicology and drug assaying. The subject of physiology is studied with particular attention to pathological conditions as contrasted with the normal. Closely connected with this subject are those of therapeutics and doses. Considerable time is given to the study of botany. The work on this subject includes lectures, recitations, microscopical work, and botanizing trips.

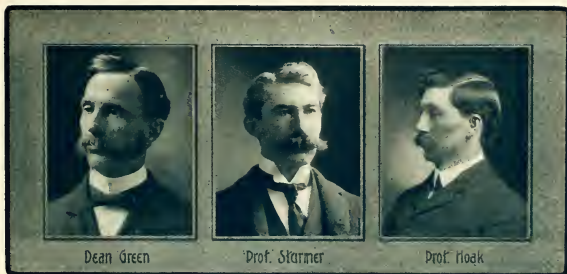
Most of the schedule of the Pharmacy Department is, however, taken up by laboratory work. The student spends five afternoons every week among the test-tubes, mortars and chemicals, acquiring dexterity, and having impressed on his mind facts that are not easily gleaned from text-books or committed from lectures.

This school does not boast of its facilities for work, but rather of its accomplishment of it. True, the course is of only two years' duration, but in this short time men and women are equipped with a professional knowledge



and an educational foundation which enables them to take their place in the van of the march of progress. Not all who graduate from this department fill positions in retail or wholesale drug houses, for of late the demand for manufacturing pharmacists has steadily increased. Each year large manufacturing companies send to Purdue for practical men to fill positions in their laboratories. Such positions carry with them not only great responsibility, but also good chances for advancement and remunerative salaries. Even should these students not wish to engage in the profession of Pharmacy, they leave the gates of this campus with the best possible basis for the continuance of study in the line of either chemistry or medicine.





FACULTY OF THE SCHOOL OF PHARMACY

ARTHUR LAWRENCE GREEN, Dean and Professor of Chemistry in School of Pharmacy. Ph. C., University of Michigan, 1882; M. D., Medical College of Indiana, 1894; Ph. D., Franklin College, 1895. Fellow American Association for the Advancement of Science; Member Indiana Pharmaceutical Association.

JULIUS WILLIAM STURMER, Professor of Pharmacy. Ph. G., Purdue University, 1891. Member American Pharmaceutical Association; Chairman Committee on Pharmacy, Indiana Pharmaceutical Association.

BENJAMIN MARTIN HOAK, Assistant Professor of Materia Medica. Ph. G., Purdue University, 1892.

GUY HAZELRIGG GUTHRIE, Assistant in Chemistry. Ph. G., Purdue University, 1903. Phi Delta Theta (Indiana Delta.)



Miss Miller



Capt. Albright

OTHER DEPARTMENTS


FRANK H. ALBRIGHT, Professor of Military Tactics and Commandant of Cadets. Captain 25th Infantry, U. S. A.

BLANCHE ANNIS MILLER, Acting Librarian.

CHARLES IVES FREEMAN, Physical Director. (Resigned.)







IN MEMORIAM.

Wilbert Price, 04.
Anna Fulton, 04.
Walter L. Roush, 04.
Randolph Railey, 04.
Adin W. Kelsay, 04.
Charles L. Dransfield, 04.
Elbert L. Flagg, 07.
George L. Shaw, 07.
Samuel C. Truitt, 07.
Samuel P. Squibb, 07.
Harry O. Wright, 07.
Thomas A. Bailey, 07.

John D. Minch, 03.
Robert S. Miller, 95.
Elizabeth D. Swan,
Patrick Mc. Claire,
Edward C. Robertson, 01.
Charles G. Grube, 05.
Charles E. Furr, 05.
Roswell J. Powell, 05.
Gabriel S. Drollinger, 05.
Joseph C. Coates, 06.
Jay O. Hamilton, 06.
Walter D. Hamilton, 06.



Elizabeth Day Swan

Robert S. Miller, '05

Paul W. Carnahan, '04

Adin W. Kelsay, '04

L. David Minch, '06

Randolph Railey, '04

Walter L. Roush, '04



E. C. Robertson, '01



Charles E. Furr, '03



Roswell J. Powell, '05



Charles G. Grube, '05



Wilbert Price, '04



G. S. Drollinger, '05



W. D. Hamilton, '06









Drawn by Kieffer

☞ A Toast ☞

Four years we've been at
Purdue. For four years these
buildings have been the scene
of our toil and tribulation,
this campus of our whole-
some sport. We now go forth
to battle with the world,
armed and equipped for the
contest through our sojourn
at Purdue. For many of us
there are brilliant victories in
store, for some of us sorrow
and defeat, for all of us there
is work and responsibility.
Yet may we never forget the
institution that has prepared
us, the parent of our strength
—our alma mater.

Here's to Purdue!



SENIORS

CHARLES WILLIAM ABENOROTH, B. S. in Civil Engineering.
Civil Engineering Society, Athletic Association, Debonair Club.
Thesis: Deflection of Bridges.

"Abby" blew in here from Peru four years ago, lodged on the Mechanical course, broke loose again, and finally stuck fast on the rock of Civil Engineering. On account of his personal popularity with one Golden, of the Practical Mechanics department, he is privileged to take forge work in his senior year. To rank outsiders "Abby" is cheerful and grouchy by turns, but to a select inner circle of acquaintances he is a No. 1 good fellow, and it will be a long time before "Abby" and his cheerful exclamation, "Great Balls of Snow!" are forgotten.



CLIFFORD LEOPOLD ACH, B. S. in Science.
Chemical Society (4), Mandolin Club (1) (2) (3) (4).
Thesis: Manufacture and Properties of Iron and Steel.

"Ike" first saw the light of day in the famous town of Madison, Indiana, where stands his father's shack near the raging waters of the Ohio. His youth was spent in roaming over the rocky hills in the vicinity of his paternal home, which accounts for the abnormal development of his feet. His chief characteristics are his apt appreciation of his own jokes and his abounding good nature. Since his entrance into the University he has been noted for his efforts to discover a sure cure for bunions, corns, etc.



CHARLES ROY ADAMS, B. S. in Science.
Chemical Society, Class Football (2) (3) (4).
Thesis: Metallography of Iron and Steel.

"Corp" or "Honest John" grew up on his father's farm near Lafayette. It was there that he learned the art of going to sleep at a moment's notice, and ever since he has been able to sleep through whole lectures without the slightest inconvenience. He is one of the best-natured men in the class, and is very likely to be voted the laziest. He received his early education at the West Lafayette High School, where, we regret to say, he acquired the habit of chewing gum continually. He expects to become a great chemist some day.



LUNA EVELYN ALLISON, B. S. in Science.
Thesis: Study of the Histology and Enzymes of Ananassa Sativa.

Luna Evelyn Allison lives in West Lafayette, and received her earlier training at the illustrious Oakwood High School. She has spent the whole year studying the pineapple, which is white folks' talk for that imposing subject of her thesis. She has told the DEBBIS in confidence that she has a job in sight, that her intended occupation is housekeeping; in short, that she is engaged and is going to be married.





CHARLES MELVIN ANDERSON, B. S. in Mechanical Engineering.

Mechanical Engineering Society, Treasurer (3) (4); Class Football (3).

Thesis: Boiler Efficiency of Schenectady No. 2 at Varying Speeds.

"Andy" has been on the line-up ever since the kick-off in '00. He has supported the class loyally, both financially and upon the class athletic teams. He came from Decorah in the Hawkeye State, and by application of the sturdy western grit, which was born into his six feet of bone and muscle, he has overcome all of the difficulties heaped in our path by the enterprising faculty folk and established a good record for himself on their roll books. He expects to follow engineering as a profession and will undoubtedly succeed.



JAMES GILBERT ANTHONY, B. S. in Electrical Engineering.

Purdue Branch A. I. E. E.; DEBRIS Staff (4).

Thesis: Photometry of Electric Headlights.

"Mark Tullius Ant(h)ony," alias James Gilbert, brother of Susan, was reared among the cedars of Lebanon (Ind.). That he claims any particular location as his birthplace is not definitely known, but we have, after much persuasion, obtained the year of that event, 1880. He is somewhat shy about this becoming general knowledge. "Mark's" oratorical powers have long been his leading characteristic. If he starts to "chew the rag" the only thing to do is to furnish him with a whole bolt of unbleachable cotton and let him run down on that. "Mark" now lives in West Lafayette and will probably run for the office of court crier next fall.



HOLLIS HINE ARNOLD, B. S. in Electrical Engineering.

Varsity Football (1); Varsity Basketball (1); Field Battery, Captain (2).

Thesis: Design of a High Tension Transmission Line.

Husky Arnold came to us from Denver and installed himself as a veritable Pike's Peak on the football field at the opening of our Freshman year. We still vainly wish for the appearance of a half-back who can put up the dashing, plunging game which characterized his playing in our Freshman year. An unfortunate accident early ended what was clearly designed to be the career of one of '04's great gridiron heroes. He organized and commanded the Field Battery which won so much creditable comment for the cadet corps in our Sophomore year. Old "Soldier" has not been a shark on theoretical lines while among us, but he possesses a stability that leaves no doubt in our minds as to his future success. His home is Tremont, Nebraska.



IRWIN EMORY ARTZ, B. S. in Mechanical Engineering.

Sigma Alpha Epsilon; Tau Beta Pi, Wilbur Scholarship; DEBRIS Staff, Advertising Manager.

Thesis: Effect of Clearance on the Performance of a Simple Corliss Engine.

Dayton, Ohio, is his home, and he is as proud of it as he is satisfied with himself. His name commences with an "A," consequently he couldn't help being an "A" man. He sprang before the public eye in our Sophomore year by defeating all competitors in the 2-year old Physics handicap. Not content with merely winning his spurs, he essayed to win the Derby, and broke the 3-year old record in doing it. How he landed the Wilbur Scholarship was a mystery until the Senior statistics showed that most of the class had solved the problem, to their own satisfaction, at least. But never mind, "Artie," it was probably prompted by jealousy.

SENIORS

FRANK RAYMOND ASHTON, B. S. in Mechanical Engineering.

Thesis: Best Possible Release of the High Pressure Cylinder of a Compound Engine.

Frank R. Ashton emerged from the forests along the banks of the "Timbuctoo" when he was still quite a youth, and made his way to Rochester, New York, his present domicile. "Ash" was of an exceedingly inventive turn of mind and for precocity had "Willie Westinghouse" beaten to a standstill. While at the grammar school he invented an automatic note passer which worked on much the same principle as the present belt conveyor. He entered Purdue with the class of '04 and has utilized his childhood invention to pass himself successfully along his college course. Being a member of the Lafayette four hundred and of such a natural inventive genius, he expects soon to become a right-hand man to the accomplished and democratic engineer of the Vanderbilt household.



CHARLES EDWARD AUGUSTINE, B. S. in Mechanical Engineering.

Mechanical Engineering Society (1) (2) (3) (4); Athletic Association (3) (4).

Thesis: Test of a De Laval Steam Turbine Using Moist Steam.

Charles Edward Augustine received a West Point (Ind.) appointment by birth. Being an unusual boy, "Charlie" developed an interest in the engineering corps at an extremely early age. While being rocked to sleep in his cradle one night, a brilliant thought struck him, and the next morning saw the completion of an automatic rocking device. Although he comes from West Point he is not a military man, i. e., he never "soldiers." He matriculated with '04 when we all were somewhat slow, which fact served to inspire his present study of high-speed mechanisms. After graduation it is his intention to enter a drafting office and sign his name to large and mighty blue-prints which embody his speedy views.



GEORGE DEALBERT BABCOCK, B. S. in Electrical Engineering.

Tau Beta Pi; Prophet, Arbor Day; DEBRIS Staff, Chief of Literary Editors.

Thesis: A Study of Temperature Rise in Interior Conduits.

"Bab" is a native of Syracuse, New York. He heard of "Goldie's" famous school of Electrical Engineering from afar, and in 1900 screwed up his courage to come to the Woolly West to drink from that fount of knowledge. Contrary to his expectations, he found that blanket Indians no longer inhabit this region, and that a fair state of civilization exists here. "Bab" has an extensive vocabulary which he is not averse to using freely; indeed, some wag has irreverently suggested that an "l" be inserted as the second letter of his surname. He was caught in the matrimonial snare several years ago, and is pretty thoroughly domesticated.



CLARENCE EARL BANTA, B. S. in Electrical Engineering.

Tau Beta Pi; A. O. D. D.

Thesis: A Study of Temperature Rise in Interior Conduits.

Coo-coo-doodle-doo! I was born in Indiana, somewhat like Moses, among the rushes of Rushville. The date of my birth was carefully secreted in my wicker nest, but I believe it was about 1879. My first nom-de-plume was "Babe," and I received it at an early age. However, at that time I originated and accepted the startling by-word "Oh Joy," which, due to its ferocity, has since made me famous. I am soon to have a contest for physical prowess with a Mr. Rock, of Plymouth, and if I escape injury shall feel that with a crop full of electric currents I can spur on to cross the bar.





WILLIAM WORTH BEAN, JR., B. S. in Civil Engineering.

Civil Engineering Society; Board of Editors, C. E. Annual (2) (3) (4); Editor-in-Chief (4); Athletic Association (1) (2) (3) (4).

Thesis: Through Freight Cut-off for the L. E. & W. R. R. at Lafayette, Indiana

Ahem!

W. Worth Bean, Jr.

The subject of this sketch is the brightest star in the galaxy from St. Joseph, Michigan. His father, as you have all been told, is the street-car magnate of that important city, and hence since the early age of six Worth has been occupied in greasing curves, washing car windows, etc. He entered the Civil Course here four years ago, and while here has distinguished himself as being able to put the maximum amount of work on any given subject with the minimum of results. As a yell leader, and as editor of the *Civil Engineering Annual*, he has made himself particularly useful. He will probably locate in St. Joseph.



JOHN FRED BECKMAN, B. S. in Agriculture.

Debonair Club (2) (3) (4); Athletic Association.

Thesis: Efficiency of Separation by Hand Separator Under Varying Conditions.

"Beck" should have lived in the days of chivalry, so thoroughly does he enjoy the presence of the ladies, but perhaps they appreciate him now. He has always considered school work a pastime wherewith to while away the weary hours between social events. He heartily supports athletics and comic opera. He loves the farm, since he despises the strenuous life of the city. As one of the Debonairs he has succeeded in satisfying his cravings for a good time. We have always liked him because we couldn't help it. His home is Brunswick, Indiana.



AUGUST CHRISTOPHER BECKMAN, B. S. in Civil Engineering.

Civil Engineering Society (4); Athletic Association (1) (2) (4); Debonair Club.

Thesis: Strength of Reinforced Concrete.

From Brunswick, which is somewhere up in the desert surrounding the southern end of Lake Michigan, came the pink-cheeked and innocent looking individual whose portrait graces this article. His quiet and unassuming ways completely disarmed the terrible "Mike" of our Freshman days, and later the much-feared "George," and he has quietly slid through what most of us have made a good deal of noise about. We do not expect to hear in later years of "Auggie's" setting Lake Michigan on fire, but we do expect him to make a successful and efficient civil engineer.



FRANZ ALFRED BERGER, B. S. in Mechanical Engineering.

Mechanical Engineering Society; Class Baseball (1) (2) (3) (4); Captain (1).

Thesis: Comparison and Development of Formulas for Engine Boilers.

We know him as "Dutch" or "Berg," and will surely be disappointed in him if he does not prove one of the more illustrious characters of '04. He has that something which makes him popular with the fair sex, and we need not be surprised if very soon we learn that he has launched on the sea of matrimony. He is a musician and can get enough music from a mandolin in one evening to do a whole season of grand opera. Judging from the multiplicity of his accomplishments, we should say that he is destined to become the F. Hopkinson Smith of Purdue. He is from Indianapolis.

SENIORS

CARL BENTON BERGMAN, B. S. in Electrical Engineering.

Thesis: Speed-Lines and Efficiency-Acceleration Curves of Electric Trains.

Bergman was born sporty and during his three years at Purdue has developed into a chronic bill buster. "Abie" can go down town with a hundred plunks of fresh cargo and drop all but a hundred mills of it in one hour's time. His support of class interests has been second only to his support of Bryan's donkey, however, so we have no kick coming. He has the ability to do a lot of work in a short time and should have no trouble in getting along in the world. He comes from Portland, Indiana.



HUGO ALEX BERTHOLD, B. S. in Electrical Engineering.

Irving (1) (2) (3) (4), Treasurer (2), President (3), Marshal (4), Critic (4); Purdue Branch A. I. E. E. (4); Class Treasurer (3) (4); '04 Banquet Committee (2); Military Ball Committee (4); Athletic Association (1) (2) (3) (4); Cadet Captain; Exponent Staff, Reporter (4); DEBBIS Staff, Advertising Manager; Minuet Club; Senior Banquet Committee.

Thesis: Distribution of Magnetism in Rotary Converters.

Although Hugo has about evenly divided his time since his advent on this mundane sphere between this country and Germany, he is as thorough an American as any of us who have never been outside the limits of our own chicken yard. He is a natural born promoter, and as soon as he gets interested in any project (he is connected with nearly every enterprise about the University) things have got to move. He is the champion leg-puller of the school—he can collect money off anybody and everybody—and comes mighty near being able to get blood out of the traditional turnip. He will succeed in any capacity where hustling is required. New York is his home.



FRANCIS EUGENE BIBBINS, Graduate in Pharmacy.

Historian Pharmacy Class (3); Exponent Staff (3); Athletic Association (4).

Francis E. Bibbins, whom we take delight in calling "Billy Bounce," is a broad youth. He hails from Delphi, Indiana. "Bibb" was at one time the shark of the class, but alas! he knew it too well. His ambition is to be a chemist. He has handled a pestle and rolled pills since his early boyhood days. During his Senior year he left school for three months to work in Eli Lilly's Chemical Laboratory, and the Faculty allowed him to come back and graduate with his class. Some call this "push," others say it was a "pull," while some say it was "graft." He will continue to grow.



RALPH ORTH BILLMAN, Graduate in Pharmacy.

Billman, better known as "Ratty," made his appearance with the Junior Pharmacy Class in 1902. He claims Indianapolis as his home, having worked there six weeks one summer. His folks live at Shelbyville, Indiana. The funniest thing he ever did was to borrow a military suit to wear home during vacation. The "rattiest" thing he ever did was to take an overdose of arsenic in recognition of drugs. Hence his name. If talk will bring success, he'll win.





BENJAMIN FRANKLIN BILSLAND, B. S. in Mechanical Engineering
 Mechanical Engineering Society.
 Thesis: Cylinder Performance of Schenectady No. 2.

"Billie's" real name is Benjamin, but being somewhat boyish and lashful, he has never thrust his Biblical title upon us. His experience is rather limited, not so much because of his youth, but because of the fact that he has never been in love, that is, in the ordinary sense. We all know, however, that he has fallen in love with his work, for he himself acknowledges that he is the hardest plugger in school. In one respect he is decidedly unique. He possesses a sweet voice, which he often exhibits in private, playing his own accompaniment simultaneously on the flute. With all his good qualities he is inclined to be frivolous, especially in the matter of the location of the part of his hair.

CLIFFORD CLARENCE BRADBURY, B. S. in Electrical Engineering.
 Athletic Association.
 Thesis: Effect of Slope of Pole Pieces upon Magnetic Distribution.

"Brad" comes from Richmond, Indiana. He is known among his colleagues in the Electrical Department as a shark in wiring problems, and nothing gives him greater pleasure, figuratively speaking, than to run the solution of a difficult wiring proposition up a tree, and then bring it down with a club. He likes Nature, loves all living things, and has formed quite an attachment for one living thing in particular, being quite regular in demonstrating his affection. He is a member of "Pi Beta Rho."

ARTHUR RICHMOND BRADLEY, B. S. in Mechanical Engineering.
 Phi Kappa Psi.

Thesis: Design of a Plenum System of Heating and Ventilating for Proposed Mechanical Building at Purdue.

Arthur R. Bradley, "The Precise," has developed a wonderful taste for fine clothes and a proper form since his migration from Syracuse, New York. How, in the short space of four years, he has found it possible to carry all the responsibilities that the University offers and devote necessary time to the manicure parlors and the chiropodist is a mystery to his closest associates. "Brad," or "Beenus," as he is known, will take in some of Hoffman's hot gases and will probably be installed in one of the elite residences of Lafayette as an auxiliary boiler. He is hot stuff and would probably operate successfully on little fuel.

ROGER VICTOR BREWSTER, B. S. in Civil Engineering
 Civil Engineering Society; Class Baseball Team (1) (2) (3); Minstrels (2) (3) (4); Band (1) (2) (3) (4); Athletic Association (1) (2).

Thesis: An Interurban Railway Project from Lafayette, Indiana, to Hoopston, Illinois.

"Old Jenkins" collapsed with envy and surprise at the "bad Brewster's" first appearance. The fertile soil of southern Indiana had shot the twin sapling principally into stock, and like a colt had placed his center of gravity extremely near the upper limit. Ever since this first round-up he has used his horse sense whenever and however needed, and has finished his course with a triumphant horse laugh at Fermier and all his other trainers. "Gloomy's" Hooligan characteristics have helped in the interpretation of his moods and in the entertainment of his unsophisticated admirers. "Legs" took to the forests of his native State one summer and sketched hills and vales, but where his stretchers will take him next is beyond all our predictions.

SENIORS

ROSCOE CONKLING BREWSTER, B. S. in Civil Engineering.

Civil Engineering Society (4); Minstrels (1) (2) (3) (4); Band (1) (2) (3) (4); Athletic Association (4); Sergeant Cadet Band (2) (3) (4).

Thesis: An Interurban Railway Project from Lafayette, Indiana, to Hoopeston, Illinois.

It was a case of "too much Brewster" that caused "Happy's" first smile as he looked across at his counterpart on his nurse's other knee. Like a flower of Killarney he blossomed forth in native radiance until the spirit of manhood transplanted him from his Corydon garden into Purdue's forest of heroes. The shadow of sincere anxiety and "Pence-iveness" has sometimes dimmed the smile on "Happy's" face, but shadow and sunshine combined have never drawn his limbs to their full length. He has seemed to shun society with a telling blush, but has satisfied his lips with a fervent pressure on the mouthpiece of his slide trombone. Railroads hold his future; Corydon's star is rising.



WILLIAM LUCIAN BRIDGES, B. S. in Civil Engineering.

Carlyle (2); Civil Engineering Society (2) (3) (4); Athletic Association (4); Cadet Corps, First Lieutenant (3); Debonair Club.

Thesis: Strength of Reinforced Concrete.

"Bossie's" delight in playing soldier and unconscious love for the human voice lead us to believe that but few years have passed since he played with kittens and sorted paper dolls. "Bill's" family name predestined him to the engineering profession. He was designed at Indianapolis. He spanned the course at the Manual Training High with masterful ease, and came to Purdue, shop-riveted, with the influx of 1901. He was found to fit his bearings as computed and was promptly checked off under the bill of materials of Brown No. 25. His maximum stress has been developed under Wasche's drivers, all dead loads included, and provided he doesn't rust, he bids fair to become an enduring masterpiece of engineering.



LEWIS MONROE BRITTON, Graduate in Pharmacy.

Class Baseball Team.

"Brit" used to tell us he was taking a special three years' course in Pharmacy. We see it was a three-year one, but wonder where the special part comes in. He is one of those sports who spend their money in their dreams—pipe dreams. He is one of the best all-around fellows in the class. He entered Purdue from Corunna, Indiana, in 1901, and has been having a good time ever since. Wherever he goes he will have his fun and give pleasure to others. Get on to that grin.



WALTER WILLIAM BRIZIUS, B. S. in Mechanical Engineering.

Mechanical Engineering Society; Athletic Association.

Thesis: Cylinder Efficiency of Locomotive Schenectady No. 2.

"Dutch" hails from the enterprising town of Newburg, Indiana, on the Ohio River. He received his preparation for college at the High School of that place. His life at Purdue has been one of great expansion. He was a very verdant Freshman when he entered here, but has since expanded to the height of six feet three, from which elevation he takes a very serene view of life. He has a tendency to be a shark in Heating and Ventilating; he can't help that, however. "Dutch" hasn't said just how he proposes to set the world afire, but all agree that he is destined to occupy a very elevated position in life.





DONALD STEVENS BROWN, B. S. in Mechanical Engineering.

Phi Gamma Delta; Skulls of Thirteen; Emersonian (1) (2) (3), Vice-President (2); Mechanical Engineering Society; Glee and Mandolin Club (3) (4), Manager (4); Athletic Association (1) (2). Thesis: A Comparative Test of Locomotive Injectors.

Donald Stevens Brown, having a remarkable thirst for knowledge and other good things, while at his tender age of sixteen drifted to Lafayette to satisfy the aforesaid craving. He took to his task as a duck to water and all went well until the current of Hydraulics was struck. It seems that the flow of George's and "Pick's" ideas as to the study of the subject in both amount and kind ran in rather opposite directions, and it was not until his patience had given way and he had backed water with an exhaustion of choice "French" steam that he found safe and sure sailing. This discreet and rather piteous use of "hot air" has often pulled our friend through tight places when he has been between the Scylla and Charybdis of technical learning, and has furnished him experience which will surely aid him in his future course and bear him safely to the fountain of success where all thirsts are satisfied.



JACOB LEEDS BROWN, B. S. in Science.

Chemical Society, President (4); Athletic Association; Second Lieutenant Purdue Field Battery.

Thesis: Petroleum

Jacob Leeds Brown, more commonly known as "Noisy," hails from Camden, New Jersey. Purdue is certainly fortunate to have an influence so widespread as to bring our fellow student from the Far East. Jimmie received his first knowledge at George School, in Pennsylvania, and is now storing up vast oceans of facts dealing with chemistry. He never says anything worse than "Now, then!" and while interested in athletics, is infatuated with military life.



ALBERT WILLIAMS CAMPBELL, Graduate in Pharmacy

Campbell, or "Doc," the meekest as well as the youngest man in the Pharmacy Class, left his home in Huntington, Indiana, on September 8, 1902, to enter the Pharmacy class at Purdue. There were tears in his throat and lumps in his eyes as he thought of his going out into the wide, wide world all alone. We are happy to say, however, that his associations have made a man of him; and now that his voice has completely changed, his whisper can be heard from one end of the room to the other. His future lies before him.



GUY MILLORY CAMPBELL, B. S. Electrical Engineering.

"Pi Beta Rho."

"All below the 'B's' move down one seat, for 'the Campbells are coming.'" So spake our good Professor Waldo with his biquadratic smile, upon "Cammy's" advent into our ranks in our Sophomore year. His previous career is unknown to us, but judging from the "two humps" he developed in following '04's pace, it was not strenuous. He has not been a social or athletic light, but he has filled his place in the ranks and done his full share of the work. He has been known to drop a hint that he is the most dignified man in the class. He has a job "in sight." He inhabits West Lafayette.

SENIORS

RICHARD CHARLES CANTERBURY, B. S. in Civil Engineering.

Sigma Alpha Epsilon; Civil Engineering Society; '02 Class Football; '02 Class Baseball.

Thesis: Economics of Interurbans.

"Dick" is a relic of '02's "also rans." Being filled with that spirit of enterprise characteristic of Cook County he jumped the traces as he passed the Junior milepost and rushed off in several directions to supply the engineering demand. After tamping ballast on a few roads in Illinois and running in a couple of interurbans around Greater New York, he came back to his home in Chicago, where he bought himself a pair of high topped boots and a Hart, Schaffner & Marx overcoat preparatory to his second advent into Purdue. "Dick's" knowledge of the practical has never ceased since to make him a glowing mark among us, and together with "Fuzzy" Farkas and the g-rea-t "Sen-Sen," he will return to make Chicago the center of the world.



ROSCOE ATHEN CARVER, Graduate in Pharmacy.

Class Football; Class Baseball; Exponent Staff (4).

Roscoe Athen Carver, who is too young to have a nickname, comes from Lapel, Indiana. He was elected yell leader of the Pharmacy class and filled the office creditably. The *Exponent* used his services during his Senior year until April 1, when he vacated in favor of his successor. If Roscoe would not use that peculiar twist when walking he would get along better. He will probably form good habits later. He has a position at Lapel.



PAUL KREIGH CHRISTIE, B. S. in Agriculture.

Agricultural Society (1) (2) (3) (4), Secretary (2), President (4); Football Squad (1); Athletic Association.

Thesis: The Parasites of Swine.

"Chris" began life with a smile and to our present knowledge has since continued to wear this pleasing expression. He has always been a loyal supporter of class affairs. He is a most remarkable example of the developing powers of the "Students' Home," having been a faithful attendant upon all of "Pa's" conclaves for the past four years. Along with other things he has developed a remarkable taste for the practice of veterinary medicine, and is able to handle and prescribe for all classes of horses. "Jersey" will be a breeder of fine horses because of his natural love for them. Hadley, Indiana, is his home.



PAUL GEORGE CLARK, B. S. in Mechanical Engineering.

Field Battery, Captain (3).

Thesis: Determination of the best Release for the High Pressure Cylinder of a Compound Engine.

He has run the full course from '00 to '04. He came from Decorah in the Hawkeye State, but we have never seen any western tan in his face. He had aspirations at one time to become a military man, but his interest has been transferred to the study of the fair sex, with which he is a lion. He has been known to go to sleep while on duty even in recitation of his beloved Mechanics. Ever forgetful of himself and what he has borrowed from his neighbor, he will no doubt develop into an excellent municipal engineer. "Piggy" is young and subject to influence, and has the making of a good man in him if he only falls into good hands.



SAMUEL GRIFFIN CLIFFORD, B. S. in Civil Engineering

Phi Delta Theta; Tau Beta Pi; Civil Engineering Society (1) (2); Glee and Mandolin Club (3); Minstrels (3); Exponent Staff, Reporter (3), Local Editor (4); Associate Editor 1904 DEBRIS.

Thesis: Flexural Strength of Brick Masonry.

Fifty years hence, the house at 527 State St. will be regarded with awe by open-mouthed Freshmen as the place where the Hon. Samuel G. Clifford had his hangout when a student. For the present, however, he may be referred to simply as "Sam"—"Sam" Clifford, the personification of neatness and industry, the soul of good fellowship. Our only concern is whether he will be able to retain his charming polish when he comes in contact with the grime and ragged edge of things which are a part of the life of every civil engineer. He is from Evansville, Indiana.



McGARVEY CLINE, B. S. in Mechanical Engineering.

Tau Beta Pi; Mechanical Engineering Society.

Thesis: Calibration of the Three Impact Machines at Purdue.

"Garvie" is a native of Greensburg, Indiana, but his parents having recently moved to Little Rock, Arkansas, he claims that "city of niggers and sin" as his home. After following Caesar's tracks through Gaul for four years in the Greensburg and Cincinnati High Schools, he decided to come to Purdue and learn something worth while. His star performances at the blackboard and his inscrutable countenance have earned for him the title of "shark" among the disciples of "Daddy" Goss. His future is an enigma to himself as well as to the rest of us.



WILLIAM FRANKLIN COLLAR, B. S. in Civil Engineering.

Civil Engineering Society (1) (2) (3) (4); Varsity Football, Insignia Won (4); Track Team (3) (4); Athletic Association (1) (2) (3) (4); Mechanics Burning Committee.

Thesis: Standardization of Abrasion Tests for Wood.

"Bill" Collar is a resident of Laporte, Indiana, being the only survivor of the quartet originally coming from that place, the other three members of which were "Skinny" Miller, "Deacon" Hood, and "Stumpy" Dorland. "Bill" dropped off a brakebeam at Lafayette one day in 1900, and proceeded to enroll himself as one of the famous class of 1904. He takes to football like a duck to water, and during intervals when not in plaster casts he has won the admiration of all for his nerve and grit. Lately he has been the recipient of a present from the Big Four, and since then he has led quite a sporty life. "Bill" has certainly seen the seamy side of life at Purdue, but no matter what the difficulty or misfortune, his good nature has never been ruffled.



SOMERVILLE VAUGHN CONNER, B. S. in Civil Engineering.

Civil Engineering Society; Track Team (2) (4); Athletic Association (2) (3); Y. M. C. A.; Movers and Cleaners Society (2) (3); A. O. D. D.

Vaughn is another one of those men, who, having made '03 famous, refused to be classified in its ranks. We do not blame him. We don't know how it happened, perhaps because he wasn't good enough for Louisville, nor bad enough for Jeffersonville; anyway, he distinguished New Albany by his birth. He offered himself to Purdue some time ago, and has been around here more or less for five years. He became real wild and adventurous one year, the gold fever enticing him to the enchanted slopes of Mexico; but the half-breeds and malaria chased him home again. Hence '03's loss. Pray be careful—he is not "Watson." No, no! He is "S. V., the skate,"—too wise to teach, too shrewd to tell his future.



HORACE ARTHUR COOK, B. S. in Civil Engineering.

Tau Beta Pi, President (3) (4); Irving, Secretary (3); Varsity Track Squad (3) (4); Glee Club (2) (3); Minstrels (3); Athletic Association (2) (3) (4); A. O. D. D.; Masonic Club.
Thesis: Design of a Drop Forging and Pressed Sheet Metal Plant.

"Cookie" or "Siwash" is an inhabitant of Millers, among the shifting sand dunes of Lake County, Indiana, where he constitutes a majority of the voting population. He has had an eventful and somewhat checkered career as a school teacher, telegraph operator, engineer, and Lord knows what else in a professional way. He came to us in our Sophomore year, was immediately spiked by the "Dorm Devils," and proceeded to make himself one of the important men of the class. He expects to go into partnership with McKee in the drop-forging business.

Cecil Clare Crane B. S. in Science.

Philathlean, Annuals (1) (4), Secretary (1) (2) (3), Censor (3), President (4); Exponent Staff (4); DEBRIS Staff, Literary Editor (4).
Thesis: The Idealism of George Sand.

Cecil is one of our esteemed, even after frequent association with members of '03. She came to Lafayette from Bryan, Ohio, and went to the City High School here, where she fitted herself for a brilliant career at Purdue. As a wielder of the paste and shears she has furnished entertainment for many by her apt selections for the exchange pages of the *Exponent*. She has a lively spirit of humor, and likes to take a shy at her classmates in the form of roasts, an opportunity for which was afforded her by her position on the staff which is responsible for this book. When she finishes here she expects to indulge in school teaching for a time, unless—

WARDER CROW, B. S. in Science.

Emersonian, President (4); Chemical Society; Athletic Association (1) (2) (3) (4); Minstrels (3); Mandolin Club (2) (3); Glee Club (3); Y. M. C. A., Treasurer (3).
Thesis: Vegetable Oils.

Warder Crow was born at La Fontaine, Indiana, in the year 1881. Little did his parents dream that their Warder would one day be Treasurer of the Purdue Y. M. C. A. But it was so ordained, for in 1900 he came to link his fortunes with ours for a brief four years and try to become popular with the girls. "Jim" is a second George Washington in that he never told a lie on an excuse blank. He assures us also that the worst swear word he ever uses is "O' fudge!" and that only under great provocation. He expects to be a great chemist some day.

PLINY EARL CRUMRINE, B. S. in Mechanical Engineering.

Mechanical Engineering Society (1) (2) (3) (4); Member Varsity Track Team (1) (2), Won five medals; Athletic Association (1) (2) (3), Insignia Board (3).
Thesis: Calibration of Three Impact Testing Machines of Purdue University.

"Crummy" has turned out some good lies here, so good, in fact, that the *Wabash Daily Pliny Dealer* has consented to devote half a column to the prowess of her six-foot son. Since his advent into Purdue, Pliny has distinguished himself by getting his nose into more business than any absence committee on record. He can tell just what the Profs. are going to ask the day ahead, and knows who held "smoking sessions" behind the loco. shed for six weeks back. He used to do a bit of scorching with the track team and his athletic tendency has given him the impetus of a fast flying start in the engineering race.



HELEN ESTELLE DARBY, B. S. in Science.

Philalthean Literary Society (2) (3); Class Secretary.

Thesis: Madame Serigne.

Helen Darby is a Buckeye and proud of it. The greater part of her life was spent at Bryan, Ohio, which, she assures us, was not named for William J. She received her early education in the schools of that place and expected to enter college at Delaware, but after visiting in Lafayette and finding that Purdue was just what she wanted she decided to come here. It is intimated that she has found her affinity here, and the whole University awaits the sequel with interest.



ROBERT NEWMAN DAVIDSON, B. S. in Electrical Engineering.

Tau Beta Pi; Carlyle; Purdue Branch A. I. E. E.

Thesis: Design of a Street Railway Testing Plant.

Robert Newman Davidson came to this place in 1902 from the University of Nebraska, where he had been in preparation for two years. "Dave's" early home was in Corinne, Utah, which, though a gentile town, contained many disciples of Brigham Young. Rather desiring a less multiple life than a stay there might necessitate, he moved to Montana, his present home. "Dave" is a typical Westerner and when he returns to Miles City will probably forget all he has learned and go back to broncho busting.



WILLIAM RAYMOND DAVIS, B. S. in Mechanical Engineering.

Mechanical Engineering Society; Athletic Association.

Thesis: Design of Special Steel Underframing for Pullman Cars.

"Dave" originated in the woods near Blue Island, Illinois. He attended Chicago Manual Training High School for a while, but hearing of the fame of Purdue, and being desirous of taking a course in "Hot Air" under "Jimmy," he emigrated to Lafayette. "Dave" is a whole-souled sort of a fellow; only swears when mad; and has but one failing—he will go to see the girls on Sunday night. He likes design, and is designing a car for his thesis that will make the Pullman product look like thirty cents.



THOMAS DENNETT, B. S. in Mechanical Engineering.

Thesis: Effects of Throttling on Cylinder Efficiency of Locomotive Schenectady No. 2.

"Denny" constitutes one of the natural leaf products of gentle Brookville, Indiana. He broke the quietude of his paternal domicile way back in the early eighties, but the contagious lethargy of his surroundings soon lulled him to sleep and to dreams of silence. Although his early life did not savor particularly of any engineering ability, he has carried out the atmosphere of his nativity in the successful design of a whistle muffler which he intends to sell to Carter and the noisy Freshmen on the campus. "Denny" is a faithful student, or at least, should be, for he spends most of his evenings at home. After graduation it is his intention to become president of one of the leading railroad systems, and to work his patents on his own Schenectadys.



SENIORS

PAUL VAN AUSDOL DISERENS, B. S. in Mechanical Engineering.

Thesis: Derivation of Formule for the Flow of Low Quality Steam Through an Orifice.

"Pdv" would like to visit the "old country" to see if they have it there like in his dear old Cincinnati. It is quite likely that he is preordained to become a captain of industry, for he shows the chief earmarks now. On the other hand, he has the earmarks of a born contentionist and it is quite likely that he will be able to turn his talents in whatsoever direction he desires. It is only natural that his career among us should have been that of a shark, for his whole name is a mass of formule which integrates into the specific gravity of Ivory Soap. His signature will grease his way into any future fame he fancies, from the composition of Sunny Jim parodies to the disintegration of the Cincinnati Trio made famous by '03.



RALPH EMERSON DODGE, B. S. in Civil Engineering.

Tau Beta Pi; Civil Engineering Society (2) (3) (4), Secretary (4); Committee on Constitution of Class (1); Athletic Association (2) (3) (4); Cadet Corps, Quartermaster Sergeant, Engineers (2), Second Lieutenant, Engineers, First Lieutenant, Engineers (3); Captain Infantry (4); Business Manager Civil Engineering Annual (4).

Thesis: Through Freight Cut-off for L. E. & W. R. R. at Lafayette, Indiana.

"Captain Dodge" came to us four years ago from Elkhart, Indiana. While still wearing kilts he had solved the problem of squaring the circle and mastered the theorem of three moments. He came to Purdue while still quite young, not to learn anything, but to show the Civil Engineering Faculty a few things that had hitherto not attracted their attention. "R. E." takes life easy and his honors modestly. He was one of the "instigators" of the famous "Dutch Company" of our Sophomore days. He goes from here into railroad work.



LEROY DONNELLY, Graduate in Pharmacy.

Class Baseball Team.

Leroy came down from the "High Ground" (Terre Haute) to display his pretentious person in our midst about September of 1902. Nothing of any moment occurred to mar his youthful existence and it was quite natural that he should grow up a spoiled child. Leroy is very headstrong and must have his own way or none. He expects to take the Illinois State Board examinations in Pharmacy and to settle in that State. Let us hope that his future will be more generous than his past.



WALTER JOHN DRURY, B. S. in Electrical Engineering.

Thesis: Current and E. M. F. Wave Forms of Rotary Converter.

"W. J." was the most erratic specimen that finished the race. We never knew when he was going off half-cocked and were frequently caught unawares in the whirlpool of sudden overflows of his oratory. At times his auburn hair would fairly glisten, and then woe to the erring Prof. that called on him to demonstrate. By the time he had concluded, the rest of the class and the instructor would be convinced that they were a set of ignoramuses, for he would expound to the very bottom axiom. He had a scrap with a sixty-lamp arc-circuit last summer and got most of the devilry burned out of him, but the old spirit will remain with him through life, in which he will succeed if any of us do. He is a product of Crawfordsville.





EMIL GUSTAV DEIDEN, B. S. in Mechanical Engineering.

Tau Beta Pi; Mechanical Engineering Society (3) (4); 1904 DEBRIS Staff, Photographer.
Thesis: Translation of Kiepert's "Integral Rechnung."

"Dude," or rather "Emil" (for he comes more quickly when so addressed), was given training in the tricks boys play in the "Vaterland." Though he has now spent several years in more temperate America, he seems unable to throw off the old stein habit, and keeps himself well supplied with checks on Bob's and Metzker's. When not engaged in developing his vocalistic powers or enlightening the illiterate American on German technology, he has devoted his time to an open combat with O. L. Foster. In recognition of his latter achievement the Class of 1904 has issued a publication called "THE DEBRIS," to show the wonders of his art. He expects to spend his future taking long and studied pictures of the buildings of Anheuser-Busch and Pilsen. He will doubtless locate in Milwaukee.

MARSHALL BARNETT DUNNING, B. S. in Civil Engineering and Mechanical Engineering, (M. E.).
Phi Kappa Psi.

Thesis: Recent Progress on Water Purification for Locomotive Service (M. E.): Test of Brake Shoes with Various Proportions of Chilled Bearing Surface (B. S. in C. E.).

"Ecker" "also ran," but the careless '03 classman forgot his overcoat one day and the probation and a brave ambition dropped him back with us. As the stamp of the University of Rochester preceded his fatal run, we received him in our midst somewhat upon probation, and tested him thereafter for unknown qualities. His personality being substantiated by Whitaker and the twins, we concluded to adapt ourselves to his many eccentric ways. He is going home to Rochester, New York, he says, to restore the Eric Canal; but we believe the separation from those "few" courses he has missed will stir up the old, old longing to return for another degree and to seek more food for his hungry brain.

ALMA THRIFT EDMONSON, B. S. in Mechanical Engineering.

Purdue Field Battery, 1st Lieut. (3), Capt. (4).

Thesis: Cylinder Efficiency of Schenectady No. 2 with Varying Cut-off at Constant Speed.

"Ed" prepared for his descent upon Purdue at the Central Academy at Plainfield, Indiana. He earned his title in his Freshman year by affixing a cap similar to that worn by the army of the basillorum habit. He is an authority on electricity and traction engines. His knowledge of the former is so great that he is frequently enabled to tell Mr. Small where to head in. When at his room "Grandpa" can generally be found with his feet on the radiator and his pipe in his mouth, searching for knowledge among the pages of "The Smart Set" or "Ainslie's." After graduating, he will return to his home where he hopes to get a steady job resting.

EMEL ELLISON, B. S. in Mechanical Engineering.

Mechanical Engineering Society.

Thesis: Design of a Centralized Hot-Water System.

Prepared at I. U., thereby placing that institution in its proper place with reference to 000 Purdue. "Elly's" name was not a prominent feature on our class records, but he was in our original line-up, and when the squad was trimmed at the end of each semester, he always came up smiling in his old place in the ranks and ready to do his share for the glory of the class. He has been a good student and has a laudable ambition that is going to get more than grub out of whatever he undertakes in this world. Rushville, Indiana, is his home.

SENIORS

ERASMUS MURPHY ELLSWORTH, B. S. in Mechanical Engineering.

"Rastus" is one of our Lafayette delegates. This "coon" boy has such an avidity for work that he bites off huge chunks of it, but he usually gets more than he can digest and since the beginning of his course has become a mental dyspeptic. For fear of spoiling during the hot weather "Ras" associates closely with the Artificial Ice Company and at a late—or early, rather—hour in the morning is frequently seen with large packs of their product upon his heated brow. The company would save money by working him nights.



LANDIS G. ENGLE, Graduate in Pharmacy.

Engle entered school from Monticello, Indiana, with the '03 Pharmacy Class in 1901, but did not return the next fall. On reentering with this year's Senior class he soon showed his worth by standing near the head of the class. His long term of experience in the drug store has given him some good experience, from which we have all benefited. "Runt's" only drawback is his height, or rather the lack of it. He is one of our trio of runts.



JOSEPH WARREN ERNST, B. S. in Civil Engineering.

Athletic Association (1) (2) (4).

Thesis: Strength of Reinforced Concrete.

Heaven's smile was first returned by "Joe" at Madison, Indiana, in 1882. As a child of fortune he grew as best he could until the tide of manhood eroded him from his bed of heterogeneous companions and transported him to the great settling basin on the Wabash. He has been the main joker in the Civil deck, has been successful in most of the games played, and possesses the distinction of having been one of the chief drawing cards which won the great "Dutch Company's" pot. With the pulls of his energetic professor-brother and the pushes of his own inclinations we are caused to tremble greatly for the future security of "Watty" Conner's job.



CHARLES HIRAM ESSIG, B. S. in Mechanical Engineering.

Michigan Club; Athletic Association (3) (4).

Thesis: Comparative Compressive Strength of Nickel and Carbon Steels.

This dignified young man from Owosso, in the land of the tall timber, has said little and sawed wood for the last four years, and will leave us in June to continue the process. How he came by the name "Vinegar" is a mystery, but it settled on him in our Sophomore year and has remained with him ever since. Charles is one of the strongest backers of the Michigan Club and never tires of telling "how we organized the bunch." He is one of the few modest men in the Mechanical section, and will pursue his own unassuming way as serenely in the future as he has done with us.





CLIFFORD HARRY EVANS, B. S. in Mechanical Engineering

Thesis: Various Temperatures of Water in Locomotive Boilers.

Evans comes from Terre Haute. He is a Republican and a Methodist, but answers "yes" to nearly all the vices on the catalogue. Throughout his four years at Purdue he has pursued a consistent policy of attending to his own business to the exclusion of all other affairs, in which respect he has furnished an example by which many of the rest of us could profit. He will be a teacher.



CARL JOSEPH FECHHEIMER, B. S. in Mechanical Engineering.

Purdue Branch A. I. E. E.: Ohio Club.

Thesis: Distribution of Magnetism in a Rotary Converter.

The first thing "Fech" did in this world was to twist himself into the form of the symbol of integration and howl for a swig of alternating currents. On this diet he developed into a rotary mathematical converter. He prepared at Cincinnati Tech., where he instructed his faculty in Mathematics. Losing this job through graduation in 1902 he entered Purdue, where he nigh gave Prof. Ferry heart failure by passing a Physics test over the entire book. He carried Trig, Analytics, Calculus and Mechanics together and kept the faculty working overtime looking up new probs for him to work. He expects to be a consulting engineer, and he will make a good one. The original Steinmetz will have to get busy or this mathematical prodigy will most certainly show him up.



LAWRENCE BRADLEY FIELDS, B. S. in Electrical Engineering.

Purdue Branch A. I. E. E. (4); Electrical Society (3); Band (1) (2).

Thesis: Candle Power, Efficiency, and Light Distribution of Incandescent Lamps.

"Eugene" the Dutch shark, is a resident of Shoals, Indiana, when at home. He is an apt and original student in design, and has lately designed an expletive that differs remarkably from the usual hackneyed expressions, namely, "Dad gum it, Katie!" No doubt this answers the purpose of relieving the feelings in minor emergencies, but we doubt that it would develop more than 50 per cent efficiency in the case of a smashed thumb or of one's stepping on the ubiquitous tack. However, if "Eugene" shows equal originality in his future electrical design we need have no fear for his success.



JAMES ARTHUR FORD, B. S. in Electrical Engineering

Thesis: Relation of Current and Voltage to Candle Power.

This is a broad land, composed of wide-awake people, and true genius is generally recognized wherever it may crop out. "Ambition Ford," known at Pendleton, Indiana, as James Arthur Ford, is generally recognized by his colleagues as a man of considerable push, as his cognomen indicates. His motto is: "Never do anything to-day that you can put off till to-morrow." However, before "Weary" blows out the gas and climbs the high board fence between the present and the mysterious I'll never come back we predict mighty improvements in the applications of electrical science. "Weary" won't be responsible for them, though.

SENIORS

EMIL FARKAS, B. S. in Civil Engineering

Thesis: A Tunnel Under the Chicago River.

"Fuzzy" rolled down here from Armour Institute last fall, wearing his expansive smile, and proceeded to make himself at home in the Civil department. He got credit for nearly all of his Armour work, but just to show him that Armour is nowhere in it with Purdue, a certain individual known as "Pansy" let him complete Theory of Structures and Mechanics and then made him take Junior Stresses. "King Dodo" is never so delighted as when he can find some one to listen to his fairy stories of how they do it up at Armour. He has an innocent, babyish face, which coupled with his enthusiastic gabble completely disarms us all, and we can't help liking him. Of course he comes from Chicago.



GEORGE ROBERT GALBREATH, B. S. in Mechanical Engineering.

Class Football Team (2); Class Baseball Team (1).

Thesis: Experiment to Determine Wind Pressure on Geometrical Solids.

George Robert Galbreath, familiarly styled "Stump," first saw the light of day at "Bally-hooly," Ireland, but hearing of Bedelia in his infancy, he left his native heath and honored Lafayette with his home. Having acquired a belief in home industries he took a West side car and matriculated in M. E. along with Bob Vinnedge and Bill Hiller. His daily drill across the levee turned his thoughts to a study of the action of the wind on geometrical solids, and now it is said that he is making exhaustive tests to determine the effect of "hot air" upon the brains of a student. If he is successful many changes may be looked for in the faculty. After graduation it is "Stump's" intention to start a windmill trust.



JOSEPH RALPH GATES, B. S. in Agriculture.

Agricultural Society (1) (2) (3) (4); Vice-President (1), Treasurer (3); Y. M. C. A.

Thesis: Comparative Test of Separators.

"Parson" came to Purdue from Tipton, Indiana, for the Winter Course in 1900 and was so impressed by the advantages of co-education that he decided to spend four years here. He became so lonely toward the end of his Junior year that during his Junior vacation he entered matrimonial bonds. He declares it is the ideal college life. "Parson" is quiet and unobtrusive and a patriotic agriculturist. We predict for him a most successful life as an agriculturist in the green fields of Indiana. He has done good beyond measure while in the University by his example of absolute piety. He has the record of never having voluntarily cut a class during his college experience. We wish Ralph much joy, etc.



JAY GOULD GENTRY, B. S. in Agriculture

B. A. Indiana University, 1900; Agricultural Society (3) (4), President (4), Critic (5).

Thesis: Comparison of Feeds in Pork Production

"Jay" came to us from Rockport, in the wild and untutored region of southern Indiana. He first migrated north to Indiana University some years ago where, after a brief sojourn, he added a B. A. to his name and they began to call him an alumnus. Then seeking some real culture he came further north and with two years additional work is able to call himself a genuine college graduate. "Jay" is a very quiet but a superior student. He hopes to enjoy a quiet life of prosperous husbandry among the beautiful hills of the Ohio Valley. Some time we hope to visit him there and learn of his success as a scientific tiller of the soil.





PETER HENRY GODA, B. S. in Mechanical Engineering.

Athletic Association (1) (2) (3) (4); First Lieutenant Cadet Corps (4).

Thesis: Cylinder Efficiency of Locomotive Schenectady No. 2 Under Various Speeds.

Peter grew up in the Wabash Valley and has remained in it more or less ever since. Wabash High School had the distinction of preparing him for Purdue, and he has made a record for himself in the way of hard, persistent effort while here. Besides doing his regular work well, "Pagoda" has found time to help Ripley run the cadet corps. He will continue to help other people to run railroads after graduating in June.



JACOB CALVIN GOOD, B. S. in Electrical Engineering.

Purdue Branch A. I. E. E.; Class Baseball Team.

Thesis: Cost of Production and Distribution of Electric Power.

Jacob Calvin Good was born under the most favorable auspices. His family had been Good for many generations and even a few back of that had not been bad. From his statement that his average yearly expenses have been \$900 we would conclude that he is not an economic Good or else that good is not good for Good, for Good is bad even when he is Good. How he ever retained that name Ye Gods alone can tell.



MEREDITH CLYDE GOODSPEED, B. S. in Electrical Engineering.

Electrical Engineering Society, Treasurer (3) (4); Varsity Track Team; Won Banner for Indoor Pole Vault (3); Cadet Corps, First Lieutenant; Michigan Club.

Thesis: Efficiency of Equalization of Storage Batteries.

"Merry" or "Mert" emerged from the tall timbers of Newago, Michigan, four years ago, and made a bee-line across the Kankakee swamp for Lafayette. A plain, unassuming sort of an individual, without any "Buttinski" characteristics, he has yet been successful in making himself an important man in several lines. His unimpeachable honesty is shown by his remaining in moderate circumstances while handling the vast sums of the treasury of the Electrical Society. As a wearer of military trappings in a becoming manner, he is second only to "Sal" Edmonson and "Noisy" Brown. His favorite sport is loafing in the fields with an antiquated musket (considered the safest type of firearm for amateurs), and his favorite study is the West Side femininity, according to his own story.



OLIVER PERRY MORTON GOSS, B. S. in Civil Engineering.

Civil Engineering Society (1) (2) (3) (4), President (4); Class Baseball Team (2) (3); Athletic Association (1) (2) (3) (4); Debonair Club.

Thesis: Investigation of Amount and Position of Reinforcement in Reinforced Concrete.

"What's in a name!" Oliver Perry Morton Goss worked a county appointment on his first three and bluffed an engineering diploma on the last. "Ollie" learned to sign his pedigree at District School House No. 2, of Martinsville, Indiana, ere he had mastered the art of chewing gum with the girls. His aptitude in catching locomotive sparks and the aforesaid fireflies turned his eyes Purdue-ward, where society, sickness and Seastone have lessened his idle moments. This accomplishment also contributes some clue to his position on the class baseball team. He has not yet chosen his avenue to fame.

SENIORS

LOYD MURRAY GRANT, B. S. in Mechanical Engineering.

Tau Beta Pi; Irving, President (4), Annuals (3) (4), Debate (2); Mechanical Engineering Society, Advisory Board (4); Class Vice-President (1), Athletic Director (2); Toastmaster '04 Banquet (2) (4); Football Manager (3) (part of 4); Strength Record (4); Athletic Association (1) (2) (3) (4), President (2) (3); DEBATS Staff, Business Manager; Masonic Club; Student Representative at Dedication of Fowler Hall.

Thesis: Efficiency of a 500,000-gallon Dean Duplex Pump Under Different Suction and Discharge Heads.

Murray is a product of the Far West and comes from the hustling town of Spokane, Washington. He received his college preparation at the High School of Westminster, British Columbia. The fame of Purdue reaching to the uttermost parts of the earth, Murray became possessed with a desire for further knowledge, and journeyed to that fountain head of learning at Lafayette. Murray holds a strength record in the "Gym," and also one outside. He is known as the man with the "strong hold"—the "full Nelson." He likes to dabble in literature and has a weakness for fudge, but he is a good fellow just the same and is bound to forge ahead, wherever he locates.



JOHN RUPERT GREGORY, B. S. in Electrical Engineering.

Delta Upsilon (De Pauw); Class Football, Captain (3); Class Baseball (3).

Thesis: Electrolysis of Iron by Alternating Currents

"Greg" made his first appearance among us as the star end on the De Pauw Varsity, later coming to Purdue and entering the Electrical School. He at once found his place in our class, and led our championship team through the long list of victories of our Junior year. Outside restrictions alone prevented him from becoming one of our Varsity stars. He has proved himself an excellent worker in the classroom as well as on the athletic field, and will have no trouble in making his way in the world. Williamsport, Indiana, claims him.



GEORGE THOMAS GRAVES, Graduate in Pharmacy.

Graves re-entered school this year, after having been absent one year in order to acquire store experience. He soon became well and favorably known by his "in for everything" spirit. Graves knows more than he cares to tell, but when he does speak what he says is always served in a rare style and is highly colored. We sometimes think he is afraid of his own voice, but perhaps he isn't. He has a position in Mishawaka and is confident of achieving success in his profession. He is from Albion, Indiana.



WILBUR SHERFEY HANNA, B. S. in Civil Engineering.

Thesis: Coefficient of Expansion of Concrete.

"Mark" Hanna hails from Plainfield, Indiana. We are in a position to positively deny the rumor that he escaped from the reformatory at that place, though the fact that he spent several years in obscurity in the State of Washington before venturing back to Indiana lends some credence to the story. He "prepped" at Central Academy, attended the Washington School of Mines, spent some time with a surveying party, and finally joined our class in 1902 to put the finishing touches on his education. He will receive his sheepskin in June with a broad smile and a murmured "Thank you."





JEWELL MARTZ HARBAUGH, B. S. in Science.

Thesis: The Art of Narration as Shown in "The Master of Ballantrae"

Jewell is a very meek young man whose despair is Browning and whose favorite sport is croquet. He wandered into the class in the autumn of 1902, and has stayed with us to the finish. He expects to be a banker some day, and it is our opinion that if a commanding presence and a deep bass voice will bring success he will surely be a great man.



CHARLES ROY HARMON, B. S. in Mechanical Engineering.

Thesis: Design of a Hot-Water Heating Plant for Rushville, Indiana.

Charles Roy hails from the stirring hamlet of Brownsburg, Indiana. The impress of the town has been so evident in her son's actions that he has borne wherever he has gone the remindful cognomen "Brownsburg." His great home training and sterling personal strength have been proven by the fact that he has passed through all the numerous college temptations without showing a flaw, not even succumbing to the wonderful wiles of the winsome co-eds. Although he has kept out of hot water while among us, he is going to rush into it as soon as he leaves, and like a man with purpose, install a hot-water plant with bath connections for the active citizens of Rushville.



ROSS WINSLOW HARRIS, B. S. in Electrical Engineering.

Tau Beta Pi; Electrical Engineering Society, Corresponding Secretary (3), President (3); Purdue Branch A. I. E. E., Vice-Chairman (4).

Thesis: An Electric Railway Project Connecting Lafayette and Hoopston, Illinois.

Ross Winslow Harris, from Marion, Indiana, has a phenomenal mania for consolidation. At the tender age of three he became so feverish over an attempt to incorporate his ten toots into a stock company that upon his failure to do so it was necessary to give him large doses of his uncle's soothing syrup to pacify him. Later an attempt to corner the eligible young females in his town was equally unsuccessful, and a muddy-fisted youth caused a dissolution of the combine at a loss of 100 per cent in about three seconds. Now it is an electric railway project, which he intends to work off on the faculty as his thesis.

Ross answers to the names "Snorter," "Ringtail," and "Hiney."



GEORGE T. HAVENS, B. S. in Civil Engineering.

Tau Beta Pi; Civil Engineering Society (1) (2) (3) (4); Athletic Association (1) (2) (3) (4).

Thesis: Investigation of Amount and Position of Reinforcement in Reinforced Concrete.

"Daddy" drew his first story to the brackish life forms on the edge of the Kankakee Marsh, at Thawville, Illinois. As time and freshness were not essential to his physiological formation, he grew and waxed strong in spirit and intelligence. His wonderful versatility and knowledge of human nature were increased after taking a Ph. B. at the Grand Prairie Seminary, by a thorough course in grubbing stumps and in delivering bread to the hungry mouths of Chicago. Being so well fitted for the science of engineering and domestic maintenance he has sailed through Purdue with success on his brow and a pineapple story on his tongue. Our only view of his future is through the matrimonial noose which we perceive is settling down upon him, but we feel sure that "Cupid will guide, George, whate'er betides."

SENIORS

CARL CHRISTIAN HEBEL, B. S. in Electrical Engineering.

Thesis: Current and Electromotive Force Relations in an Induction Motor.

Louisville, Kentucky, bequeaths to the Senior Class "Colonel Lucy," whose name as written in the family Bible is Carl Christian Hebel. He comes from a State wherein the electrical business meets with considerable opposition on account of the abundance of "moonshine," but nevertheless many an electrician runs on an all-night schedule in spite of the over-supply of "mountain dew." One would naturally expect "Lucy" to be a Democrat, which he is, and to carry an internal revenue advertisement on a blushing nose, which he does not. He is of a mathematical turn of mind, and delights in tearing the socks off a ten-hour polyphase problem. If nothing happens, a B. S. in June will be easy money to him.

CHARLES ALEXANDER HERON, B. S. in Electrical Engineering.

Thesis: Design of an Interurban Railway Motor.

Charles Alexander Heron, the noblest Senior of them all, has accomplished the difficult task of getting through his college course without acquiring a nickname. He is the possessor of a record for having never cut a class and knows naught of pleasures of a stolen holiday. Alexander the Great was proud to ride Bucephalus, but Alexander Heron never rode even a pony. We can do nothing but commend him for his rigid adherence to his Puritan doctrines. Indianapolis is his home.

HORACE THEOPHILUS HERRICK, B. S. in Civil Engineering.

Tau Beta Pi; Irving, Annuals (3) (4), Critic (3), Debate (3); Civil Engineering Society, Vice-President (3); Class Historian (2); Athletic Association (1) (2) (3) (4), Secretary (2); Editor-in-Chief of *Exponent* (3); Editor-in-Chief of DEBRIS (4); Toast, Sophomore Banquet; Gala Week Committee (4).

Thesis: Design of a Power Plant on the Tippecanoe River.

Horace Theophilus, from New Haven, Indiana, found a new haven at Purdue in the shelter of the Science Course, but the foresight inherent in a weathered master of the country school turned his path into the Civil branch. His rendering of Clayton's Grand March in the gym. served not only for calisthenics, but won for him the name of "Paderewski" among the members of the A. O. D. D. Wishing to show his versatility, he monopolized the *Exponent* for a year, and, in turn, this publication, desiring, like the National Biscuit Co., to put his label on everything. The uncertainty connected with the public acceptance of this, his handiwork, shrouds his future from our view, but we pray that he shall escape the cross of love which crucified "O. L." and the "Golden" crown which pressed the brow of "the unmitigated A. M."

DAVID ALDERMAN HERRON, B. S. in Science.

Pre-Medical Society; Emersonian, President (4), Annuals (4); Student Manager Track Team (4); Athletic Association (1) (2) (3) (4), Secretary (3); Exponent Staff, Reporter (3).

Thesis: Laboratory Values of Various Hardening Reagents.

"Dave" came in on a Dakota cyclone on September 11, 1900 (see weather Bureau records for direction and velocity of wind on this date), wearing a McKinley button as large as a dinner plate. At that time he was without doubt the greenest specimen that ever came down the pike. But presto, change! a few short years, and here you have one of the most dignified and imposing figures that ever graced the campus. He was born in Indiana, but has lived most of his life at Academy, S. D. His chief characteristics are a remarkable memory and an unflinching appreciation of his own merits. When he leaves Purdue he expects to study Medicine.



ZENNIE HIRSCH, B. S. in Electrical Engineering.

Thesis: Study of Phase and Current Relation of the Induction Motor.

He came from the tall timbers back of Attica, and although he was not used to the strenuous life he quickly caught the pace, and has been on deck whenever the call was sounded, no matter how stormy the course before us. He has been a quiet sort of a fellow, keeping his opinions to himself, and thereby setting a good many of us a good example. When we line up against the world, "Zeno" will be in the front rank, chewing a toothpick and wondering why there isn't something doing.

**HARRY LEON HODGES, B. S. in Civil Engineering.**

'04 Class Football Team (3); '02 Class Football Team (1) (2).

Thesis: Deflection of Bridges.

Harry Leon Hodges, the "Kid," first smiled in West Lafayette in the year 1886. We pass hurriedly over the story of his early career, with its incidents of cut thumbs, stubbed toes and bumblebee stings common to all boyhood, merely stating that he grew up from a playful, irresponsible youngster to an irresponsible, playful man. At this juncture we find him entering Purdue with the class of 1902. Upon the arrival of the class of 1904, however, he at once perceived the opportunity of graduating with a famous class, and accordingly dropped out for two years, working (the Big Four R. R. Co.) in the meantime. If he survives the shock of getting his diploma, we will probably see him located next year in Gus's barber shop in the capacity of porter.

**HARLAND DAVIDSON HOLMAN, B. S. in Electrical Engineering.**

Purdue Branch A. I. E. E.; Emersonian; Cleoban Club, A. O. D. D.

Thesis: Test of a New Single Phase Induction Motor.

This young lady—beg pardon, gentleman—gazed timidly forth upon a rough, rude world for the first time back in the early '80s. She—I mean he—blushingly paid his first \$16 to Grandpa Ellsworth in 1900 and began to call himself a Freshman. He entered the Dorm in his Sophomore year, where he was christened "Poke" by the Devils thereof with the appropriate ceremonies peculiar to that institution. He is a thoroughly good fellow, and in spite of his retiring disposition has made many friends. Aurora, Indiana, is his home.

**CARL ROY HOUGHTON, B. S. in Mechanical Engineering.**

Thesis: Effect of Change of Clearance on Speed of Gas Engine.

"Honey" came with the bees in the gentle spring time long before Hiawatha had made a name for itself and for him. He buzzed through the dear old Connersville High School in time to recruit in the ranks of those who also ran the race which ended last year. This race, however, he dropped out of in order to catch a twelve-month's breath with a "Wind Jamming" concern at his native town. After consuming the supply "Garlic" returned to exhaust his latent power in the ranks of old '04. Unbounded success is in store for our adopted prodigy, provided the constant buzz of the matrimonial bee will dispel the "girl habit" which is fastening upon him. His postoffice is Loogootee, Indiana.

SENIORS

FREDERIC THEODORE HUSTON, B. S. in Mechanical Engineering.

Class Football (1) (2) (3) (4); Class Baseball (1) (2) (3) (4); DEBRIS Staff, Athletic Editor; Minuet Club.

Thesis: Efficiency of a 500,000 Gallon Dean Duplex Pump under Different Suction and Discharge Heads.

In "Teddy" Huston we have a good-looking, agreeable sort of a chap, with a refreshing air about him that reminds one of a cool breeze on a hot summer's day. He hails from Fort Wayne, but since coming to Lafayette has gone back on his native town, and says he "don't care if he never goes back." He likes a good time, and plays everything from billiards down to tiddle-de-winks, but realizes that these will not purchase footwear for the infant, so to speak, and hence is not averse to occasional work. Future years will probably see him at the head of the Pennsylvania System.



HARRISON ALEXANDER HUTCHINS, B. S. in Electrical Engineering.

Purdue Branch A. I. E. E.; Cadet Corps, Captain; Michigan Club.

Thesis: Test on New Single Phase Alternating Current Induction Motor.

Twenty-five years from June 4, 1904, the fame of Hutchins will have penetrated as far as Buck Creek or Otterbein. "Hutch" is a soldier of rank in the Purdue army, having "clumb" from the ranks clean up to the shoulder straps. The little town of Ganges, Michigan, will be overjoyed to welcome home her military hero and charger of batteries. There are two kinds of batteries, the battery with the accent on the trigger, and storage batteries. The latter are the easiest to charge, and "Hutch" stands a good chance of winning success, if not much gold lace, in his future dealings with this class.



EDWARD WYLLYS HYDE, JR., B. S. in Civil Engineering.

Sigma Alpha Epsilon; Tau Beta Pi; Civil Engineering Society; Minstrels (3); Athletic Association (2) (3) (4).

Thesis: Economics of Interurban Railways.

"Hinkey" was reared and educated in Cincinnati, but it was not until he came to Purdue that he grew to be a shark. One day, after he had severed connections with '03 and had ceased to pull spikes for the Illinois Central, he addressed the Civil Society on "A Quick Slide-rule Method of Solving the Age of Ann." It was marvelous. Immediately his services were secured for measuring gravel at the Soldiers' Home and laying out curves on State Street Hill. The experience gained by this great accomplishment, coupled with his accoutrements of boots and corduroys, have opened before him a wide road to fame along which Wyllys, Jr., and the slide-rule will slide hand in hand, checking curves and gradients as they go.



ALVIN WALTER JOHNSON, B. S. in Electrical Engineering.

Irving (1) (2) (3); Purdue Branch A. I. E. E.

Thesis: Design and Construction of Direct-reading Apparatus for Carbon Brushes.

"Johnny" comes from the town of Aroma, Indiana, sometimes spoken of erroneously as "Odor." He got a preliminary training at Danville Normal, from which place he sallied forth to rear the tender thought in the little red schoolhouse. A few years of this life convinced him that the field was not wide enough for his energies, so he bent his steps Purdue-ward and enrolled himself in "Goldie's" electrical course. Throughout his stay here he has preserved a strict policy of minding his own business.



HERBERT LOVE JOHNSON, B. S. in Mechanical Engineering.

Carlyle Literary Society.

Thesis: Boiler Efficiency of Schenectady under Various Steam Pressures.

"Johnnie" is another one of those Heesters who, like Van Camp's pork and beans, make Indianapolis famous. "Johnnie" is quite a log bean, but it does not follow by any means that he is "on the pork." After having dubbed about at the numerous Indianapolis institutions of learning, namely, Shortridge and the Academy, he was gently wafted up to us. Here he has successfully designed a high-speed automatic cut-off "Stein Drain," but his remarkable philanthropic nature will not permit him to seek a patent and he is giving the fruit of his research to the public service. Johnnie is a well known advocate of the "Lounghouser-Busch" anti-bean theory, his belief in which being manifest by his remarkable gain of twenty pounds avoirdupois in four years. He is building the physique of a future C. B. & Q. president.



BENJAMIN BUTLER JOHNSTON, B. S. in Civil Engineering.

Tau Beta Pi; Civil Engineering Society (1) (2) (3) (4).

Thesis: Through Freight Cut-off for L. E. & W. R. R. at Lafayette, Indiana.

Ben Johnston's early life was spent in tickling the breast of Mother Earth and reaping the harvest caused thereby. He hid himself to Purdue early in the fall of '00, where he enjoyed a career as president of the Freshman class as stormy as it was brief. He has made himself notorious as being always in the lead on any problem or design on which the class may be working, and if this be true he has certainly led us a hot pace. It is hinted by some that he has been known to work outside of union hours to accomplish this result, but for this we can not vouch. He expects to be president of the Pennsylvania some day. Pendleton, Indiana, is his home.



BERTRAM THOMPSON JONES, B. S. in Mechanical Engineering.

Signal Corps, Sergeant (3); Athletic Association (1), (2), (3), (4).

Thesis: The Strength of Glued Joints.

This young man was raised at Mooresville in the wilds of Morgan County, Indiana, and the influence of his early environment is marked. Brown County adjoins his early home and he has acquired many of the characteristics of the white caps of that region. While at Purdue he has made a reputation of being the calmest man in the class, only coming out of his retirement occasionally to deny being one of "the other Jones." He will leave Purdue with the object in view of making his name stand out against a background of millions of the same name.



WALTER ABBOT JONES, B. S. in Mechanical Engineering.

Thesis: Strength of Glued Joints.

Fort Wayne is proud to claim this remarkable young man as one of her own, and Walter is ever willing to do his best, in an oratorical way, for his native city. "W. A." is one of the well known "Jones trio" and is easily distinguished from the others by his sea-going walk. Early in his career at Purdue he came to be known as a shark in "Dutch" and other useless things, and his friends were many. His faculty of being able to awake and gather the sense of a question put to him by a Prof. while he is in calm slumber has made him one of the most envied men in the class. He leaves Purdue to save the Pennsylvania System from threatened ruin.



SENIORS

ARTHUR ROBERT KAHL, B. S. in Electrical Engineering.

Purdue Branch A. I. E. E.; Masonic Club, President 1903-4; Athletic Association (1) (2) (4).
Thesis: E. M. F. and Current Waves of a Rotary Converter.

Arthur Robert Kahl claims to be a native of Japan, having been born in the City of Yokohama. Before the outbreak of the Russian-Japanese war, according to his queer story, he changed his place of abode to New Albany, Indiana, where he proceeded to naturalize and magnetize himself. When a boy "Bob" read a Japanese translation of Steinmetz's Polyphase Currents and was immediately instilled with a desire to become an electrical engineer. Having matriculated with the class of '04 he invented a "Lightning Catcher" which bids fair to revolutionize the present method of obtaining electrical power. After graduation he will install some of the largest plants in the country, and together with Van Deinsie and Conner will turn the falls of the Ohio into a mighty Niagara in power.



CHARLES EDMUND KAILER, B. S. in Electrical Engineering.

Tau Beta Pi; Purdue Branch A. I. E. E.

Thesis: Cost of Producing and Distributing Electric Power from the Lafayette Street Railway Power House.

Charles Edmund Kailer, from Naperville, Illinois, has set a precedent in the University for dogged opposition to oppression. Nowhere in the Electrical Department can be found an instructor who has not been thoroughly impressed with this his leading characteristic. Like an untamable broncho the least additional pressure on his loosely fitting saddle causes his heels to fly up and—bang!—some teacher gets hit. However, he is smooth-shod and no one has ever been seriously injured. Kailer has been a fine regulator for overzealous professors, and without him most of us would have taken another year or two of undergraduate work.



MILAN KONSTANTINE KARCHOFF, B. S. in Electrical Engineering.

Purdue Branch A. I. E. E.; Class Sergeant-at-Arms.

Thesis: Design of a 100,000-volt Transformer.

"Karkie" has long been a mysterious character. He suddenly graduated from the Pedagogical College in Kustendille, Bulgaria, his home, about the time of the abduction of Miss Stone. That his avowed desire to obtain an American wife caused him to fear some complications in connection with that abduction is not definitely known. That he has such a desire is evidenced by his persistent impersonation of a Bulgarian nobleman. Konstantine has long impressed us with his princely bearing, and has caused much consternation among the beaux by his rapidly increasing coterie of feminine admirers. "Blowupsky" will probably take up his residence in Utah.



CLYDE KEIRM, B. S. in Electrical Engineering.

Purdue Branch A. I. E. E.; A. O. D. D.

Thesis: Design, Construction and Test of Direct-reading Apparatus for Testing Carbon Brushes.

He started with us on the day of the Galveston hurricane in 1900, and in spite of measles, mechanics and marriage since that eventful day he has stuck to the pace to the finish. He was of necessity a steady goer. He has always kept his opinions to himself and let the world wag on. He was not a prominent landmark in our four years' sojourn, but he was always on hand when '04 needed a helping hand, whether it was tank scrap or class celebration.



CHARLES AUGUSTUS KELLY, B. S. in Mechanical Engineering.

Emersonian (2)

Thesis: Controlling Devices of the Pyle-National Electric Hecolight Turbine.

"Charlie" is the limit when it comes to saying what he is going to do and also the lower limit on doing it. He lost \$5 in the Illinois game in our Freshman year and vowed he would quit the business, but instead of quitting he became so deeply involved in confidence games that he was compelled to sign a matrimonial certificate. Since then he has always been dead broke, but nevertheless posed as a sport as long as he was able to graft the bills. However, he has always been on hand when we needed him in scrap or banquet, and perhaps after all he was a necessary evil.



HERVEY KENEIFF, B. S. in Mechanical Engineering

Mechanical Engineering Society; Y. M. C. A.

Thesis: The Effect of Rate of Combustion Upon the Efficiency of the Boiler of Schenectady No. 2.

No one knows exactly when Hervey became one of us, but he first became noticeable at the time of our tank scrap in the beginning of our Sophomore year. He is an ardent advocate of the game of "shinny" and has tried for four years to organize a team, but there were too many timid ones to make his efforts a success. His quiet, dignified manner has made him a strong candidate for "meekest man," but a few outbursts of temper have spoiled his chances. No single branch of work is enough for him and he will give the entire engineering world the benefit of his learning.



WALTER KENT, B. S. in Electrical Engineering.

Purdue Branch A. I. E. E.; Athletic Association (1) (3).

Thesis: Study of Electrical Lighting Equipment for Railway Trains.

This rosy-cheeked cherub is the beau ideal of Topeka, Indiana, a city in northern Indiana consisting of a cross-roads emporium and a blacksmith shop. He is a young man of many virtues and only one fault—he is an inveterate lady-killer. The DEBRIS is authorized to state that there is positively no foundation for the report that he is related to the Kent of handbook notoriety, and thus the only stain against his name is removed. No one, not even himself, knows just what he will do after receiving his diploma.



HERBERT ALBRECHT KIPP, B. S. in Civil Engineering.

Sigma Nu; Tau Beta Pi; Civil Engineering Society; Class Baseball Team (2); B. O. L. M. Club.

Thesis: Investigation of the Coefficient of Expansion of Concrete.

"Heinrich" is another of our capital boys. He was imported together with Ripley from Indianapolis just one year previous to the arrival of the Connarocs. Naturally his manual training at "the" High School put him in advance of his class, so to keep his time occupied he was given a position with the Faculty. From this eminence he has surveyed his course with keen self-satisfaction for three years, pausing very occasionally to assist in the enlightenment of his co-workers. "Paw's" physiognomy is creased with the birthmarks of a born engineer, which early predicted the rush which was made after him by the B. & O. R. R., in whose employ he spent one summer pulling spikes and driving stakes.



SENIORS

JULIUS GEORGE KIRBY, B. S. in Mechanical Engineering

Phi Kappa Psi; Class Baseball (3); Minstrels (1), (2); Future Association, Treasurer.

Thesis: Design of an All-steel Passenger Car.

"Our Julius" came from Springfield in the good old Sucker State, and lined up with the starters in the Electrical School in '06. He found the course too easy, however, and tackled the Mechanical School. That he has executive ability was roundly demonstrated at our first evening. Few of us will forget how he brought order out of that hopeless chaos of uproarious dissension which prevailed at that first real assembly as a class of loud-voiced Freshmen. From that time on he has supported the class loyally, on the athletic field and in her political achievements. He was a lion with the ladies in his Freshman year, but apparently has "fallen from Grace," as he affirms that he expects to remain a bachelor.



LEROY JENNINGS KIRBY, B. S. in Electrical Engineering

Carlyle, Vice-President (3), Annuals (2) (4), President (4); Electrical Society; Purdue Branch A. I. E. E., Executive Committee; Varsity Track Team (1) (2); '04 Champion Relay Team; Class Football (1); Athletic Association (1) (2) (3) (4); Field Battery, 3d Sergeant (1); Sergeant, 1st Lieutenant (4); Y. M. C. A. (1) (2) (3) (4).

Thesis: A Study of Electric-lighting Apparatus for Railway Trains.

"Ched" hails from Fairbury, Illinois. He tells us he is neither engaged nor married, but adds that it is not his fault, from which those who have observed the frequency with which he used to visit a certain house on Tank Hill infer that though he did everything in his power, Haywood not accept his hand. From the weird stories he is so fond of writing, we would not be surprised in later years to hear of his devising and working off on unsuspecting investors some perpetual motion machine in which perhaps a dog and treadmill concealed in the base of the machine will form the prime mover.



JOE BURKE KNAPP, B. S. in Civil Engineering

Sigma Nu; Civil Engineering Society; Varsity Football Team (2) (3) (4); Manager (1); Class Baseball (1) (2); Athletic Association (1) (2) (3) (4), Vice-President (1); B. O. L. M.

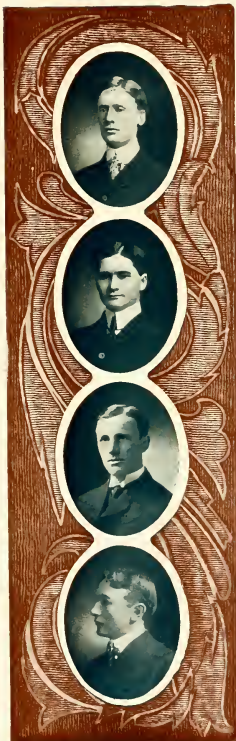
Thesis: Investigation of the Coefficient of Expansion of Concrete.

As a glorious sunset will often linger on a wintry sky, so "Joekie's" smile of wine-sip luster froze forever while he was carrying the Evansville *Morning Courier*. With a train of native contemporaries in 1900 he first sought a campus ticket from the famous "Sappho" Decker and spent his Freshman year introducing himself and acquiring friends, despite his bashful nature. After he had become an athletic star he let his light so shine before men that even the girls basked in it and he was forced to become a prize dog in society. In both these lines he has gained diplomas: in one, the injured knee of a Spartan; and in the other, the split lips of a Romeo. The world has knocked him about of late, but he now goes forth to knock about the world.



LEONARD HENRY LANG, Graduate in Pharmacy

The "Bloody City" has sent many of her sons to Purdue, but none other like Leonard. Flax-haired and fair, he is a worthy descendant of his German forefathers. "Tracy" had some experience as a drug clerk in South Bend before entering the University in 1902. His school work is of the A-1 order, and he expects to continue in that class when he returns to his home city to draw soda and dust counters.





CHARLES HUBERT LAWSHE, Graduate in Pharmacy.

Lawshe came to the Pharmacy Department in 1902 from the Swayzee, Indiana, High School, where, he says, he graduated with honors. Either through fear of taking cold or through emulation of some patron saint, Lawshe seldom gets a hair-cut. He was dubbed "Elijah" in his Junior year and was invited to have his hair cut either by a barber or by a self-appointed committee. He chose the former and has been to a barber shop every alternate month since. We predict a bald-headed future for him.



DWIGHT ALBERTUS LAWYER, B. S. in Mechanical Engineering.

Debonair Club.

Thesis: Comparative Study of Different Methods of Obtaining B. H. Curves.

Dwight Albertus, the Debonair fellow with a classical name, known in polite society as "Shorty," is a native of Huntington, Indiana. He graduated from the High School which that hamlet maintains and then dropped anchor at Purdue in order to familiarize himself with some "attractive" facts in the science of electrical engineering. He is now quite an adept in the handling of short-circuits, shunts, and blow-outs, which he intends to use as an introduction to the handling of the almighty dollar. As a side issue he has studied the effect of "sparkling" until he has become encircled with a glowing halo of knowledge. Ambition has certainly instilled herself in him for he has entered into direct competition with the renowned "Red" Morgan for the enlightenment of Huntington.



CLYDE EDWIN LAYTON, B. S. in Electrical Engineering.

Purdue Branch A. I. E. E.; Minstrels (1) (2) (3) (4); Band (1) (2) (3) (4); Athletic Association (1); Masonic Club.

Thesis: Economic Value of Storage Battery on Fluctuating Loads.

Interurban engineering will receive a jar which will well-nigh "bust" the profession when Clyde Edwin Layton, from Covington, Indiana, passes out from the portals of Purdue in June. He is of German descent, and early in his course became proficient in the use of the German adverb "damit," which has somewhat the same meaning as the gentler and more refined "Oh fudge!" of our language. He is a musician of no mean ability, and for four years has been blowing a mixture of air and carbon dioxide into the reed end of a B flat clarinet in the Purdue band.



HARRY GUYER LESLIE, Not Graduated. Science Course.

Class President (1) (2) (3) (4); Athletic Director (1); Varsity Football (1) (2) (3) (4); Insignia (1) (2) (3) (4); Captain (3); Varsity Baseball (1) (2) (3); Insignia (1) (2) (3) (4); Captain (3); Minstrels (2); Manager Athletic Association (3) (4); Republican Club, Treasurer (1).

Thesis: Determination of Wood from Microscopic Characteristics.

"Skillet" first announced himself as a candidate for earthly honors back in the year 1878. Shortly after his entrance to Purdue four years ago, his popularity, aided by a little astute diplomacy, secured for him the presidency of the class, an office which he has the proud record of holding for four straight years. He has handled the reins of the class with such strength and skill that few have had the nerve or inclination to kick over the traces. He has had a strenuous athletic career, and nothing, not even a railroad wreck, ever got the best of him. When we recall that Wellington went safely through a hundred battles and finally died peacefully in bed, we can see grounds for hoping that Harry will live to a good, green, old age. West Lafayette claims him as one of her illustrious sons.

SENIORS

ALEX LINDSAY, B. S. in Mechanical Engineering.

Irving, President (4); Mechanical Engineering Society (2); Chairman Mechanics Day Committee.

Thesis: Experimental Study of Flow of Low Quality Steam Through an Orifice.

It was not Paul Revere but Paul Diserens who shouted "The British Are Coming!" when Alex Lindsay landed on our levee and ascended the hill. His noble and polished brow shining for the want of nature's covering soon turned all fear of military harm into wonder at the intellectual foreigner. This characteristic of the student has dominated his Purdue career and served at all times to prove the theory that the head is mightier than the hand. "Lizzie" showed his headwork to great advantage when he took a hand in the "Mechanics Burning" and braved wind and weather to rid us of our foe. When he crosses the border we'll carve his name on the '04 class tree along with Yoshisaka and Karchoff, the beloved foreigners.



ARTHUR ERNEST LODER, B. S. in Civil Engineering.

Carlyle, President (4); Civil Engineering Society, President (4); Executive Committee, Officers' Ball (4); Athletic Association; Cadet Corps, Captain; Minuet Club; A. O. D. D.

Thesis: Standardization of Abrasive Tests of Wood.

"Johnny," our Baptist, was ducked at Worthington, Indiana, while the words Arthur Ernest were being fastened to him. Naturally he is an earnest, worthy boy, a fact strongly corroborated by his own statement that while on the farm he always milked the cows with both hands. His aspirations took him through the district school with honors, won him a county appointment, and ultimately boosted him into Purdue. His reward for virtue and labor came tardily but surely in the form of a literary presidency in his last year, while his extreme civility placed him finally in the ruling chair of the Civil Society. These honors, together with a military captaincy, have made "Johnny" sublimely happy.



JAMES H. B. LOGAN, JR., Graduate in Pharmacy.

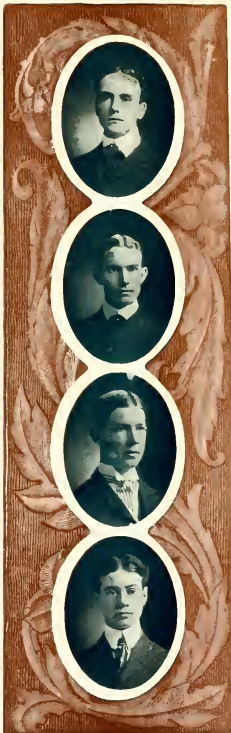
Logan is a new member of the Pharmacy Class, having entered here last fall after receiving a B. S. at the Breckinridge Normal College of Hardinsburg, Kentucky. "The Gentleman from Kentucky" is a chemistry shark and says he hopes to be an M. D. He felt somewhat insulted when asked if he drank any. Logan's popularity speaks for itself and it will be no fault of Logan's if he does not realize his ambition of becoming an M. D. His home is at Rockport, Indiana.



MILTON GUY LONGACRE, B. S. in Mechanical Engineering.

Thesis: Comparisons of Hand and Stoker Fed Locomotives.

This noble youth now calls West Lafayette his home, though he came originally from Fort Wayne. After graduation from kindergarten and Sunday-school there, his soaring ambition urged him toward Purdue. He came, we saw him and straightway he became one of us. How in the interests of science he sat behind a stump in Happy Hollow, holding bag and lantern for six long hours in a pouring rain; how he tramped to the Soldiers' Home under the impression he was going to town; how he finally arrived in time to offer to "get that snipe if it took a month"; and how after an impression was made on his head with a baseball bat he was told all about this interesting bird he cared to know, are matters of history which have crystallized into the nickname of "Snipes." His output of hot air is unlimited, and as a "barker" for a side-show his success would be dazzling.



FRANK CALVERT LOBBEY, B. S. in Electrical Engineering.

Electrical Society; Purdue Branch A. I. E. E.

Thesis: Theory of a Telephone Plant for Lafayette and West Lafayette.

The individual whose smiling countenance adorns this page is a resident of Marion, Indiana. The year 1902 introduced him as a resident of that city, clad in a maze of long dresses and safety pins. His place of residence prior to that time is shrouded in obscurity. Marion became too small to hold him in 1900, and consequently he migrated to Purdue, where he enrolled himself among the denizens in the telephone engineering department. He thinks he has learned enough about the sciences to be able to work off on the Faculty a telephone plant design of his own on Distribution Cases. He answers to the cognomen of "Pat," and confesses that his



OLIVER DEWEENE McCASPER, B. S. in Mechanical Engineering.

Engineering Annuals (3) (4); Class Vice-President (4); Y. M. C. A.

Thesis: Construction of Hand and Stoker Locomotive Firing.

"Mac" is one of those good, old-fashioned, motherly sort of fellows that can never see a yak until it has cut past them and don't indulge much in the frivolities of life; and yet he has made a lot of friends, possibly because he belongs to the class that Oliver Wendell Holmes describes as being refreshingly dull after one has been in long association with smart alecks, or fools to that effect. "Mac" was a steady and consistent trainer on the track for the mile run, and would undoubtedly have won every event he entered, had there not always been somebody else that was just a little bit faster. In his attempt to fill the rather large shoes left vacant by the departure of our class president he has preserved the even tenor of his mind, wholly unmolested by the responsibilities of his position.



TIMOTHY GRAY McDONALD, B. S. in Mechanical Engineering.

Sigma Alpha Epsilon; Glee and Mandolin Club, Leader (3); Minstrels (3) (4) U. N. A.

Thesis: An Investigation of the Effect of Clearance on the Performance of a Simple Corliss Engine.

Mac" claims Cincinnati for his home, although he first saw the light in Bonnie Scotland, and the only one that he does credit together place. He came to Purdue in the fall of 1902 from Barton Tech, where he had been for two previous years. He has a reputation among us for being a sugar of spirit rather than usual ability and we may expect more from him on the stage in the future than in the office. "Doodle" has been a jolly good fellow while among us, and will have his smiling countenance when we quit the college walls.



ROBERT OLLIER McINTOSH, Not Graduated Mechanical Engineering Course.

Thesis: Testing Dust Guards for the Mon-R. R.

"Mac" has run a hard race for the championship of the '04 bluffers, and it isn't his fault that the spectators split their tickets and confused him with the "fake sport" and "hardest worker" in town. A lady once asked Mack if he could change a \$5 bill for her and Mack fainted outright. He passed as a grillin' veteran for two years and then retired to rest on whatever laurels he had earned. Plainfield, New Jersey, is his home.



SENIORS

HARRY HERALD MCKEE, B. S. in Mechanical Engineering

Masonic Club; Athletic Association (3) (4).

Thesis: Design of a Drop Forging and Pressed Sheet Metal Plant

"Home, Sweet Home" takes "Mick" back to Sheldon, Indiana, and the Crossroads store. The first district school wouldn't buy him a campus ticket to Purdue, so he took a B. S. at Valparaiso College about three years ago and entered the race with us just after we'd finished the first lap. When the war broke out on the campus he joined the mighty 3000 battery and swiped out the gun to the tune of Star Spangled Banner. In his three years' association with our class but one co-ed has chanced to make him happy by a recognition and a greeting when he passed her way. "Mac" has the Kee to success, however, and it would have been well for all the fair flowers of our class to have primmed themselves when he passed by. A Sheldon lassie has captured the prize, and as we go to press the news comes that the happy event will occur during Senior vacation.



HELEN CATHERINE MCKINNEY, Graduate in Pharmacy

Class Treasurer (3) (4); Philalathean Literary Society, Critic (4)

Miss McKinney, or Helen, as Dean Green calls her, is the most *prettiest* girl in the Pharmacy Class and one of the most popular ones. She is liked by all and it is rumored that one or two have worshipped at her shrine. She has shown her business ability in the collecting and handling of class funds, and if this portends anything of her future we have no fear for her success in the Pharmacy profession. Bremen, Indiana, is her home.



HERMAN HENRY MADAUS, B. S. in Agriculture

Agricultural Society (1) (2) (3) (4), Treasurer (3), Secretary (4); Class Football Team (1) (4); Athletic Association.

Thesis: Parasites of Swine.

"Rube" took his Mellin's Food at Wanatah, Indiana. That his nourishment was not slighted is conclusively proven by his gigantic presence. He has made himself felt in the class affairs, particularly in tank scraps and class football. "Rube" has a preference for the study of animal anatomy and aspires to the enviable possession of a D. V. M. Before entering Purdue he attended Valparaiso College and to our knowledge did not get the usual cranial enlargement of attendants at that institution, but grew all over. He early developed a rare spirit of jest and a peculiar humor which has been the delight of his friends through the frequent gloomy periods of Sophomore days.



HARRY RUPERT MADDOX, Graduate in Pharmacy

Maddox has the reputation of being the most sporty man in the Pharmacy Class. He is easily recognized by his diamonds and 10-cent cigars. Harry is one of the boys, and has served on nearly every class committee since he has been in school. He has also played on the class baseball nine. Since he and Logan, Jr., passed the State Board examination they have been considerably puffed up, but they will soon forget it. "Maddy" is undecided as to his future, home, but thinks there is some possibility of its being in Oklahoma. At present it is Montpelier, Indiana.



RALPH GREGORY MANSFIELD, B. S. in Electrical Engineering
 Purdue Branch A. I. E. E.; Athletic Association (2) (3); A. O. D. D.
 Thesis: Design of a Street Railway Testing Plant.

Ralph Gregory Mansfield had no characteristic features previous to his entrance to Purdue in 1900, when he was privileged to become a child of his Satanic Majesty. As penance for the great good he had done he accepted the lowly position as Keeper of the Devil's House, sometimes known as "The Dorm." He scrubbed and rubbed (see any Dorm. Devil for verification of this statement) until one day the Devil saw himself reflected from the polished floors, and since then "Richard" has been a wandering planet among boarding-house denizens. "Doc" has now no other job in sight, and so to satisfy his desperate (?) nature developed in the "Dorm." he will return to his home at Eaton, Indiana, and devote his life to the fascinating study of Electrocutation.



JOHN CLYDE MARQUIS, B. S. in Agriculture.

Emersonian (1) (2) (3) (4); Annuals (2) (3); Y. M. C. A., Vice-President (3); Agricultural Society, President (1); Class Historian (4); Glee and Mandolin Club (3) (4); Secretary (4); Minstrels (2) (3) (4); Exponent Staff (3) (4), Editor-in-chief (4); DEBRIS Staff; Bird Club, President (4); Athletic Association.

Thesis: The Economic Significance of Cereal Grains.

Marquis came up here four years ago and proceeded at once to acquire a controlling interest in everything about the University. He belongs to everything that does not belong to him. No quorum is complete without him; no society elects officers without J. Clyde Marquis among the "also rans." This year he has taken hold of the *Exponent* (the college paper, you know) and with characteristic energy given it the most successful year of its existence. At odd times, when there was nothing else doing, J. C. has occupied himself with the course in Agriculture, among other minor matters. If our interpretation of the lines of his palm is right, the future will see him in the editorial sanctum of the *Wacky Clodhopper*, accepting pumpkins and cordwood in payment for subscriptions. He lives in West Lafayette.



LESTER CROSS MARSHALL, B. S. in Civil Engineering

Civil Engineering Society.

Thesis: River Hydraulics.

"Elsie" is the best that Rockville, Indiana, could send up as a representative in the Class of '04. He took his primer lessons in the Rockville High School and then came up here to top off his education. His retiring disposition has kept him somewhat in the background, but those who know him best aver that he is considerable of a shark in his school work. His work after graduation will be in railway maintenance.



LYLA VIVIAN MARSHALL, B. S. in Science.

Philatelic Literary Society (1) (2) (3), Secretary (1), Critic (1); DEBRIS Staff, Artist (4).
 Thesis: French Impressionism.

Lyla Marshall claims Lafayette as her home town, having received her education and spent most of her life here. Her younger days were spent at her father's country home, where she acquired her great love for nature and made her first efforts in an artistic line. Although taking the Science Course she has specialized in Art and expects to go on with the work. She will enter Art Institute next fall to study Illustrating.

SENIORS

WILL CUMBACK MARTIN, B. S. in Electrical Engineering.

Alpha Tau Omega (Albion); Minuet Club.

Thesis: Predetermination of the Regulation of an Alternator.

"Bill" Martin made his appearance on the campus in our Sophomore year, coming from Albion College, where he seems to have been mixed up in some way with Alpha, Tau, and Omega. He is by no means afraid of burning midnight oil, and has been toiling upward in the night while his companions were snoozing or boozing or wasting their time in some other manner. Consequently he takes a B. S. after only three years' work. Plymouth, Indiana, expects that Martin Will Cumback home next June with enough knowledge in his noodle to enable him to occupy successfully the gubernatorial chair vacated by his namesake.



HENRY WILLIAM MERKEL, B. S. in Mechanical Engineering.

Phi Gamma Delta; Mechanical Engineering Society (4); Athletic Association (2) (4); Exponent Staff, Artist. (4); DEBRIS Staff, Artist.

Thesis: Comparative Test of Locomotive Injectors.

"Hans" was dropped by the stork in Cincinnati, in 1883. Cincinnati Tech. had the honor of his attendance for a time, but the name and fame of the Purdue Class of 1904 reaching his ears, he forsook his native haunts, and our Sophomore year saw him safely enrolled with us. "Heinie" is a prolific amateur artist, as many of the pages of this book attest, and talks enthusiastically about "warm browns" and the like. He says that he is going into the brass goods business, which may or may not be intended for a joke. Cincinnati is his boast, and he indignantly denies the allegation that Ivory Soap is without honor among its own people.



GEORGE ULRICH MIDDLETON, B. S. in Civil Engineering.

Phi Delta Theta.

Thesis: Test of Reinforced Concrete.

To prove that some good thing could really come out of Madison, "Bones" presented himself to us as a living example. A most precocious youth, we received him as a mathematical prodigy, knowing that though youth might indicate weakness, age would, as in a concrete beam, develop perfect strength. His identity during his Freshman year was often confused with that of Jenkins of the forge room. He has been led to seek an unusually broad insight into all forms of collegiate educations, and in recognition of his research work, has been affiliated in membership with the Royal Guild of the Blue Ribbon Society. He proposes in the future to enter the manufacture of patent stop-cocks and safety roller skates as an avocation in a high life in a Pittsburg office building.



EVERETT EUGENE MILES, B. S. in Electrical Engineering.

Class Treasurer (1), Vice-President (2), Athletic Director (4); Varsity Football Squad (3); Class Football (1) (2), Captain (2); Class Baseball (1) (2); '04 Tank Painter.

Thesis: Photometric Investigation of an Electric Headlight.

"General" Everett E. Miles has shown his bravery on the field of battle in more than one engagement. The '04 numerals on the class scrap book on Tank Hill found their proper location under his guiding hand. Our class football was generated by this efficient commander, and to obtain a glimpse of the '04 on his canvas pants one must needs be on the line facing the opponents' goal. This man from Milford has also a vein of humor among his other attributes and it is therefore dangerous to try to outdo him in that respect. He will be with his class at the finish, and who would say him nay?





FREDERIC HENRY MILLER, B. S. in Electrical Engineering.

Varsity Football (1) (2) (4); Insignia (4); Baseball Trainer (4); Minstrels (2) (3); Band (2) (3) (4); Insignia Board (3); A. O. D. D.

Thesis: A Study of Single Phase Alternating Current Motors

"Happy" Miller, "The Prince" from Waynetown, is one of our number who has been able to partake of all the vices and virtues ordinarily allotted to the student without suffering in the least from either. From the time he first went after "Sunny Jim's" scalp-lock in Electrical Measurements Lab. until the smile was wiped from his face after the wreck, "Happy" was in one grand round of pleasure. No football team has been found with sufficient weight to crush out his everlasting grin, and the hardest flunk test failed to perturb his soul. The never-fading wreath of smiles which hangs on his front window indicates the state of mind within. May his shadow never grow less. ❀ ❀ ❀

GERTRUDE LYLE MILLER, Graduate in Pharmacy.

Class Historian (4); Philathea Literary Society.

Miss Miller is one of the most popular girls in the Pharmacy class. Her willingness to stick with the class, in work and in pleasure, by staying or skipping, has won for her the admiration of the entire class. She has had more experiences (in the "Lab") than any other person, and will probably not soon forget them. She intends to go to a training school for nurses after graduating from Purdue, and she has certainly laid a broad foundation on which to build her life-work. Greensburg, Indiana, is her home. ❀ ❀ ❀

HORACE CARTER MILLS, B. S. in Agriculture.

Debonair Club; Emersonian (3) (4); Recording Secretary (4); Agricultural Society (1) (2) (3) (4); President (2); Secretary (1); Athletic Association.

Thesis: The Moisture Content of Butter.

"Milly" joined us as a matter of course and has continued to retain his magnificent presence and composure through years of hard work. He has a genuine appreciation of culture and takes a live interest in social and literary work. "Hoss" has managed to while away a few of the weary hours at the gatherings of the Debonair Club. He has always been distinguished as one of those quiet faithful fellows to whom the world looks for its real workers. Not inclined to frivolity but still appreciating good fun, he is one whom we would expect to become a "prosperous and honorable citizen" of his community. Mooresville, Indiana, is his home. ❀ ❀ ❀

BERT BRANSON MILNER, B. S. in Mechanical Engineering.

Mechanical Engineering Society; Glee and Mandolin Club (2) (3); Band (2) (3) (4); Athletic Association (4).

Thesis: A Translation of Kiepert's "Grundriss der Integral Rechnung."

He came up here from Hartford, Kansas, in 1901. "Wee" Bert did not know how good Purdue was when he decided to cat up the course in three years. It gave him the appendicitis and we mistakenly thought he was here to stay. Bert's head works like a buzz saw. He can rip out three hundred feet of straight-grained thought per sec. per sec. Kansas is a bad State and he did the right thing by not allowing his Y. M. C. A. roommate to "spike" him. Bert is going to keep the Pennsylvania R. R. on the right path after leaving us and we hope he strikes just the same harmony that he hid in the band.

CHESTER RICE MISNER, B. S. in Mechanical Engineering

Class Football (2); Athletic Association (4); Madison County Club.

"Tubby" was roped on the range near Anderson, Indiana, had the Purdue brand put on him in 1900, and has infested West Lafayette since that time. "Tubby" thinks the chief end of man is to eat, and he has achieved such ability in that line that consternation reigns whenever he appears at the table. He essayed to the class football team, but the road to fame was rocky and wasn't lined with lunch counters, so "Tubby" went back to more peaceful pursuits. He is the soul of simplicity—he abhors deception of every kind. He leads Epworth League on Sunday and curses a test next day with a singleness of purpose and a fervor that is truly remarkable. "Tub" aspires to be a salesman, and as an unlimited supply of hot air is a large asset in that business his success is assured.



HOWARD BURTON MITCHELL, B. S. in Civil Engineering.

Civil Engineering Society; Class Baseball (1) (2) (3), Captain (2); Civil Engineering Annual, Business Manager; Debonair Club.

Thesis: Flexural Strength of Brick Masonry.

"Burt's" father, being a handler of shoes, also handles slippers. The first one he handled on his untractable son was in the riotous city of Evansville, where Fortune had favored the birth of his child. When old enough to weather the world, "Harry" was taken to Indianapolis, where he saw four years of Shortridge, but got through in time to see himself as others saw him, and so came up here for further enlightenment. It came quickly, and as he looked easy he was taken in by the Faculty while yet a Junior. His common appellation being "High Ball," he was given a perpetual position on the class baseball team, a suitable situation, as the team was mostly a pop up.



VERNE VAN DUYN MITCHELL, B. S. in Science.

Chemical Society; Class Football; Science Team (3), Athletic Association (1) (2) (3) (4)
Thesis: The Chemical and Physical Properties of Portland Cement

"Mitch" arrived at Monroeville, Indiana, on December 25th, years ago, as a Christmas present to his parents. He received his early training in the High School of that God-forsaken hamlet, and there laid the foundation for the course in Technical Chemistry which he has followed (at a respectful distance) at Purdue. He has athletic aspirations and has been high gun on the Science team. He tells us he has a job in sight, but modesty prevents him from saying where it is, or how good it is.



HERBERT GEORGE MORGAN, B. S. in Electrical Engineering

Debonair Club; Athletic Association.

Thesis: Comparative Study of Accuracy of Different Methods of Obtaining B-H Curves.

H. G. Morgan is one of the few men at Purdue who have pushed aside the gloom and discouragement of student difficulties and won the distinction of completing four years' work in three. The impetus for this achievement was given him at the Huntington High School and Central College where he proved himself to be a great and shining light. It was generally conceded that he would be a luminous object while here, for early in his youth this characteristic was manifested even in the color of his hair. "Red" deserves double credit for his success in scholarship, for he has not only served as a social pillar to the Debonair "four hundred," but has cheated himself out of the opening ceremonies of all classes by arriving late and alone





JOHN JAY MORGAN, B. S. in Civil Engineering.

Class Baseball Team (2) (3); Athletic Association (4)

Otterbein proudly points to "Pierpont" as one of her most distinguished sons. He was trained up in the way he should go on a farm, but the idea of being a horny-handed son of toil did not appeal to Pierpont, so he hid himself to Purdue at an early age in the hope of finding something that would give him a living without too much exertion. It is said that he keeps track of when his father sells a load of clover seed or potatoes and skilfully selects such times for making a "touch." By his sagacity in these little financial matters he shows a marked resemblance to his famous namesake. ❀ ❀ ❀

FREDERICK EDGAR MORROW, B. S. in Civil Engineering.

Tau Beta Pi; Civil Engineering Society, Secretary (3); Class Baseball (2) (3). Captain (3); Debonair Club.

Thesis: Flexural Strength of Brick Masonry.

"Fritz" was born in Kokomo,* nourished in Kokomo, schooled in Kokomo, and refined in Kokomo, and is, therefore, 99.44 per cent pure natural gas. The other .56 per cent consists of his eyeglasses and his scholarly air. About the time gas grew scarce at Purdue, "Kokie" was imported, and being of like feather, made an instant hit with Heiss. In his Sophomore year he gained a place as rooster on the class baseball team, and as the team failed to materialize in the Junior year his claim of the captaincy is undisputed. As secretary of the Civil Society he made a bid for a Faculty drag; but the Faculty didn't answer the roll, and he has had to change tactics and like Ben Johnston "scab" for a stand-in. He will return to his native city.

*Note—Kokomo is in Howard County, Indiana. ❀ ❀ ❀

OTTO NICHOLAS MUELLER, B. S. in Mechanical Engineering.

Tau Beta Pi; Mechanical Engineering Society, President (4); Basketball Team (4); Class Baseball (3); Glee and Mandolin Club (4); Athletic Association (3) (4).

Thesis: Design of a Power Plant on the Ohio River.

Otto Mueller rolled over the bridge on the same long legs that carried him over the basketball floor this season. We have heard him called "a string of minnies," and truly there is a likeness. Otto takes a bee line with his head, for he dived into the M. T. H. S. at Indianapolis and shook out of Purdue in six and one-half years. Otto likes to show the profs. up in the drawing room, and is just as willing to throw out the life-line to a flunk. Otto scorns a "horse," delights in "stickers," and tells altogether too many funny stories. He answers to a half dozen nicknames, of which "Toad" is the one he favors.

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FRANK HARRISON NEALIS, B. S. in Electrical Engineering.

Tau Beta Pi.

Thesis: A Study of Single Phase Alternating Current Motors.

You have probably long known that a droll man is oftentimes called dry. If this be a criterion, then "Footna Nealis," one of our blooming classmates, is surely a three-weeks-old biscuit in an alkali desert. When "Das" first became visible to the '04 eye the impression was immediately recorded that that noble brow betokened wisdom, and that impression still lingers. The wisdom proved to be of the Poor Richard type, and "Das" only needs a big brass key and a long-tailed kite to complete his resemblance to the father of his chosen life study. He hails from Lebanon, Indiana.

SENIORS

MILTON LOCKWOOD NEELY, B. S. in Mechanical Engineering.

Phi Kappa Psi; B. A., DePauw, '02.

We haven't yet decided whether it was a case of slow exhaustion or a pure blow-out that wafted "Milt" to us from DePauw. Those who have experienced him the most while here claim neither was the case, and from occasional observation of the wind current charts we, too, are inclined to substantiate their claim. He arrived when we were Juniors, but the missing years preceding did not make him bashful in the least or mar his hasty acceptance of our good fellowship. He has become since then a cultured flower of '04, and now leaves us at a time when he has blown into a perfect bloom. Perhaps he'll manufacture windmills the remainder of his life, but he has told us for a starter he'll go back to Lima, Ohio, and raise beans on his father's farm.



CLIFFORD VANCE NEWELL. Graduate in Pharmacy.

Clifford was inflicted on the Pharmacy Class in 1902. The affliction was easily borne, however, for he is another of the "Runt Trio." He has taught school, but one would never think it, because he acts more like an eighth grade pupil than like a pedagogue. Clifford is one of the boys who go to twenty-cent matinees and take balcony seats at ten cents per. His father is a doctor, but Cliff is not so inclined. He says the best he can do is to make pills without corners. Denver, Indiana, is his home.



HENRY SCHNELL NICHOL, B. S. in Civil Engineering.

Thesis: Coefficient of Expansion of Concrete.

"Nick" made his début into this vale of tears in the year 1882. Somerset, Pennsylvania, would never have been heard of at Purdue were it not that our friend and classmate hails from that place. He has attended strictly to business here, with but one exception—the time he went over to Griffith's to learn how to trip the light fantastic. He is one of those characters of which it is difficult to find much to say; he has not mixed up in student affairs enough to make himself noted, nor made an ass of himself enough to achieve notoriety. He intends to take up mining as a business.



RAYMOND BROWNELL NICHOLSON, B. S. in Electrical Engineering.

"Pi Beta Rho"; Purdue Branch A. I. E. E.; Athletic Association.

Thesis: Design and Construction of an Auto-Transformer Voltage Regulator.

"Nick" is our late acquisition from Richmond. Being of a Quaker turn of mind he cast aside his affiliations with the tumultuous class which lies immediately in our wake, and announced his intention of swelling our goodly number. We received his six-foot frame in the best of faith, knowing that with a Nichol in our midst our class would never "go broke." He made himself renowned at the carnival in our Senior year when he worked the piano for the "Girl from Up There." He has been said to work by day and dance by night, and from his ragtime nature we know he's an artist in each line. For "Nick" the future, like the front of a London Dime Museum, is gaudy with the symbols of the wonders held within, and stands out before him beckoning him to advance and partake.





DANIEL BERNARD O'BRIEN, B. S. in Civil Engineering.

Phi Kappa Psi; Civil Engineering Society; Varsity Sub Guard (3) (4); Class Football, Guard (1) (2); Class Baseball Team (1) (2) (3); Athletic Association (1) (2) (3) (4).

Thesis: Investigation of Variation of Length of Span of Reinforced Concrete Beams.

"Dan's" ruddy, good natured countenance did its first missionary work for Ireland in Syracuse, New York. Having spread his gospel there he improved his faculties at Jenners' Prep. School, and then came West on a great tide of immigration to increase his brawn under John Jacob Heiss and Doc Hyland. His first distinctions came along the line of class athletics, but he rose sufficiently to be rewarded by the insignia of a crushed ankle at the time of the football catastrophe. Since then he has turned his attention toward the wiles of society and the wearing of wide corduroys.



IRWIN SELDEN OSBORN, B. S. in Civil Engineering.

Civil Engineering Society; Varsity Football (3) (4), Captain (4), Insignia Won (3) (4); Varsity Track Team (2) (3) (4), Insignia Won (2) (3) (4); Class Football (2); Athletic Association.

"Ossie" came to us from Dover, in the Buckeye State, with an Oberlin "O" on his bosom. Believing the insignia to be merely his initial we took him in when we were Sophomores and harbored him among our flock unaware of his athletic skill. After cleaning the Illini Sophs. we put a "4" behind the "O" and sent him out the next year with Best's best men. On the track and on the gridiron he became a little giant and sacrificed his face and teeth until the Big Four engine sent its tender through the line. With the nerve of a Spartan and a Pierpont backing he lingers in our memory as Purdue's famous quarter captain and as '04's great promoter of Civil fishing trips.



ALPHA BLAINE OTTO, Graduate in Pharmacy.

That "Otto" was not a precocious youth is shown by the fact that he is just learning to swear. That he was not raised on the farm is shown by his fine, piping voice. Auburn gladly sent him to Purdue, where he soon made a reputation, also earned the nickname of "Budweiser." His entrance into Lafayette society was rapid, his exit somewhat less so. Otto leaves school with the awful byword of "peaches" upon his lips.



CHARLES BORGER OVERBECK, B. S. in Civil Engineering

Civil Engineering Society; Athletic Association.

Thesis: River Hydraulics.

"Peck" greeted an expectant world with a broad grin for the first time one day back in the early eighties, at Cambridge City, Indiana. He came to Lafayette in the fall of 1900 and established himself at "Goldsberry Castle," where he has lived ever since. During the interval between his Sophomore and Junior years he worked for the Big Four Railroad, and ever since then his principal topic of conversation has been "How we did it down at Guilford." The pride of his life is his former roommate, Bill Neptune, whose fervent and artistic profanity he feels hopelessly incapable of emulating.

CLAIR LEVERETT PECK, B. S. in Mechanical Engineering

Sigma Nu; Mechanical Engineering Society; Representative to Indiana Intercollegiate Athletic Association, President (4); Basketball Team (2) (3) (4), Captain (4), Insignia (3) (4); Track Team(2) (3) (4), Insignia (2) (3) (4); Winner 120-yard Hurdles, State Meet (4); End Man, Minstrels (2) (3) (4); Manager (4); Class Athletic Director (3) (4); Insignia Board (3); DEBRIS Staff, Artist.

Thesis: Design of a Water Purifying Plant for the New Power Plant at Purdue University.

Indianapolis Manual Training High School gets the best of Indianapolis, and sends her best men to Purdue. Peck came up in '01, but saw the folly of passing up '04 and will take away a sheepskin in June. Mechanical Engineering has engaged his attention in odd moments between more important things, and he will engage in general engineering as his future work. The basketball team could not do without him and he has helped down I. U. in track meets for the past three years. "Reggy's" ambition is to be end man in Hi Henry's Minstrel Show.



FRANK SHORTLE PENCE, Graduate in Pharmacy

Pence is one of the big guns of the Pharmacy Class; he weighs 212 pounds. He has a brother who graduated from Purdue, and another who graduated from West Point, of whom he never tires speaking. He was a candidate for center on the Varsity, but owing to a sprained knee did not make the team. Since the coming of the interurban, Pence has had frequent sudden attacks of illness which have made it necessary for him to go home. We wonder why. When he loses some of his conceit, he will make a huge success. Frankfort, Indiana, claims him.



SILAS LEE PIERCE, B. S. in Civil Engineering

Civil Engineering Society (1) (2) (3) (4); '04 Banquet Committee; '04 Club House Committee; Mechanics Day Program; Athletic Association (1); Michigan Club, President.

Thesis: Test of Reinforced Concrete.

"Si" was a jockey by birth. He rode his father's knee first in the early eighties at Kalamazoo, Michigan, though in what attitude is an open question. Little is known of his early successes, for Kalamazoo High School failed to recognize his Tod Sloane characteristics. His first big race was won against his muliship, W. H. Osborn, on a mount foaled and nurtured under the laws of self-preservation, being paced by his side partner of early years, Johnny Logan. "Paddle" and "Bones" (his friend in need and a player of ponies) have developed a team work which has resulted in an increased efficiency in the art of saturating mechanical dryness with witticisms. "Si" intends to follow track riding as a profession.



LATTA WALDO PORTER, B. S. in Electrical Engineering.

Thesis: Electro-Magnetic Absorption Dynamometers.

Latta Porter was born in the year 1870—hardly old enough to be musty. He is from Greensburg, Indiana, and is very suggestive of a cowslip or a "dandy" lion. He tells the DEBRIS gravely that his intended occupation is loafing; his religion, Heathen; his political belief, Socialist; and his favorite study, none. What an unhygienical life he has led while here! He will probably take an understudy job this summer at some resort hotel.





WILLIAM RAGLAND PURYEAR, B. S. in Mechanical Engineering.

Beta Theta Pi; Tau Beta Pi.

Thesis: Efficiency of Boiler of Schenectady No. 2 under Various Rates of Combustion.

William Ragland Puryear wandered so far from his home at Orange, Virginia, that he lost his love for tobacco and fried chicken and became acclimated to the natural gas belt of Indiana. He prepared at Richmond College, Virginia, where he rode the goat into Beta Theta Pi. After settling himself in the present ruling class he proceeded to absorb knowledge and interest the Tau Bets. His favorite pastime has been to play snatches of classic operas on the Y. M. C. A. pianoforte and to discuss the more sober questions of life with Hervey Keneipp.



EDWARD OWNER QUINN, B. S. in Mechanical Engineering.

Beta Theta Pi; Mechanical Engineering Society; Class Football Team (2).

Thesis: Centralized Heating Plant, Owensboro, Kentucky.

Edward Owner Quinn made his first appearance on this earth at one of the famous cattle ranches of Texas. The strenuous life there, however, soon proved to be too much for him, so he pulled up stakes and "lit out" for California. Since that shift, San Francisco has been his home. Throughout his college life "Ted" has been deeply interested in "Hancock's Theory of Least Work," so much interested, in fact, that he has demonstrated this theory to be peculiarly applicable to his college duties and, in consequence, has been able to graduate from Purdue without ever having been known to hurry.



HARRY GEORGE RASCHBACHER, B. S. in Civil Engineering.

Tau Beta Pi; Carlyle, Annuals (2) (3). Secretary (2); Civil Engineering Society (2) (3) (4); Class Historian (3); Senior Member Memorial Day Committee; Class Baseball Team (3); Captain Engineer Cadets (3); Commissary Cadet Corps (4); *Exponent* Staff, Artist (3); DEBRIS Staff, Chief Artist; Minuet Club.

Thesis: Calibration of Wood Paving-Block Testing Machine.

Harry Raschbacher is one of Indianapolis' favorite sons. Twenty years from now he will be one of America's great men, and will doubtless have the proud distinction of having a brand of cigars named after him. While in Purdue he has kept in the front rank in his class without serious wear on his gray matter, and has still had time to make a reputation as one of the best artists Purdue has ever had by numerous drawings for publication. His success as a ladies' artist is attested by the nickname "Tubby," which was bestowed on him in recognition thereof.



CHARLES STERNE RAUH, B. S. in Agriculture.

Phi Delta Theta; Class Football (1); Manager Class Athletics (1) (2); Class Baseball (1) (2); Manager Science Baseball Team (1) (2); Manager and Member of Polo Team (4); Glee and Mandolin Clubs (1) (2) (3) (4), Secretary and Treasurer (3); Leader of Mandolin Club (2) (3); Minstrels, Endman (3) (4); Cadet Corps, Adjutant; Sophomore Pan and Military Ball Committees; Athletic Association (1) (2) (3) (4); Royalty Society.

Thesis: Manufacture of Acid Phosphates.

"Schniltz" came to us from the bull-ring at Culver with no other recommendations than a Stein-Bloch suit and a label of Mumm's Extra Dry. His professed skill in horsemanship was soon exhibited by an easy fox-trot through Physics and by his horse-blanket attire. His waving locks bespeak the music of his soul, his brand of collars his star-like social life, his emaciated countenance the fret of great collegiate honors. With the backing of "Pap" Latta and Eddie Stoker, "Rowdy" has indeed a fertilized future. He comes from Indianapolis.

SENIORS

JAMES MANFORD REDD, Graduate in Pharmacy.

Vice-President Pharmacy Class (3) (4).

By some means Redd has acquired the name of "Dottie." While he is true-hearted and free-hearted, it can not be said that he is whole-hearted. He knows every girl in Lafayette and a good many beyond the city limits. He would rather smoke than sleep and would rather dance than eat. "Jim" is conceded to be the most unselfish fellow in the Pharmacy Class. His home is in Grammer, Indiana, but he is looking for more roomy quarters.



JOHN NEWBERRY REYNOLDS, B. S. in Electrical Engineering.

Phi Kappa Psi; Purdue Branch A. I. E. E.; Anarchist Club.

Thesis: Efficiency of Transformers on Different Frequencies.

The mere presence of the fearful John Newberry Reynolds would cause one to shudder even if it were not known that he is an Anarchist, an Atheist, and a dabbler in high explosives. His horrible evil eyes, his grewsome jaw, his shambling frame and shuffling steps all denote the presence of the evil one in his emaciated frame. This may seem to his dearest friends to be a little strong, but from his statistics blank the above picture has been drawn. There may be some truth in all this, but Jack will have to work hard to make us believe it.



LOUIS MARION RICE, Graduate in Pharmacy.

Rice is one of the kind that think much but say little, he just saws wood and says nothing. He holds the enviable record of never having been called down in class nor sent home from Lab., and if he ponies we don't know it. Rice is sure to make friends, and as long as he keeps "mum" he'll have no enemies. He is from Decatur, Indiana.



MAURICE INMAN RIDLEY, B. S. in Electrical Engineering.

Tau Beta Pi.

Thesis: A Study of Direct Current Motors.

From earliest childhood "Rid" showed a remarkable predisposition for his chosen profession. As soon as he was able to walk he confiscated every domestic article in his mother's laundry with which to carry on his investigations. His first arrangements were very crude and only served to illustrate general principles. One day it dawned upon him that a copper boiler filled with blue salt water in which was immersed the zinc washboard would make a surprisingly good generator, and with conductors clipped from the wire clothesline he erected his plant and sold energy to the juvenile community for six pins per hour of contact. Judging from this example of ingenuity and from the fact that he has a job in sight we are assured of his future greatness.



FREDERIC RIEBEL, JR., B. S. in Electrical Engineering.

Phi Gamma Delta; Varsity Football (1) (2) (3) (4), Insignia (2) (3) (4); Track Team (1) (2) (3), Insignia (1) (2) (3), Indiana Intercollegiate Bicycle Champion (1).

Thesis: Predetermination of the Regulation of Alternators.

Fred first saw light in this vale of tears in Indianapolis in 1881. After passing through the vicissitudes which beset most boys he prepared at the Michigan Military Academy and entered Purdue in 1900 to find out where and how the magic "juice" is made. "Dutch" says that at military school one is taught to keep quiet. They must have succeeded admirably, for he seems bent on making up for lost time and giving a little for good measure. He must have received an extra share of modesty when it was passed around, for he tells the DEBRIS that modesty forbids him to name the "best all-around man" and "best football player." However, with his fault goes a big heart which will surely help him on his way through this world.



CHARLES MEIGS RIPLEY, B. S. in Electrical Engineering.

Carlyle, Secretary (2), Critic (3) (4), Annuals (2) (3); Purdue Branch A. I. E. E.; Field Battery, 1st Lieutenant.

Thesis: Design of a Power Plant for Ohio Falls, Louisville, Kentucky.

Indianapolis is responsible for the perpetration of this wonderful genius. Manual Training High struggled with him for a time, and finally delivered him into the arms of Purdue in our Sophomore year. His first bid for notoriety was made when he attended a football game in chill November clad in a long overcoat and straw hat. "Rip" is recognized as a windjammer by all the profs., and is turned down with great regularity, but always bobs up a little later as serenely as ever. He has a good appearance, and if he can only learn to keep quiet so he won't be found out he ought to be successful.



JACOB JOSEPH RITTER, B. S. in Mechanical Engineering.

Athletic Association; '03 Class Baseball Team (1); '03 Class Football Team (1) (2); Varsity Baseball Team (2) (3) (4); "P" Won (2) (3).

Thesis: Development of Formule for Use in Designing Air Hoists.

"Jake" is another member of that Lafayette regiment which drills on the levee every day. Being thus exempt from other military manoeuvres he tried to beat the bunch to a diploma with '03 but came out in the last DEBRIS with "those who also ran." For this kind act of Providence we are duly thankful, first, because of our personal interest in Jake's associations, and, secondly, because of his mighty arm and keen batting eye. Being a wearer of a "P" we assume he has a purpose in life, which is no doubt the development of Waldonian formule for the design of a chew that will last an entire game. We trust he'll copyright his formule and put Joe Collins and "Jimmy" Hoffman next.



SAMUEL PHILLIP ROBINSON, B. S. in Mechanical Engineering.

Thesis: Design of a Heating System for an Office Building.

What an uncertain existence this poor mortal must have! His intended occupation is uncertain. He doesn't know his favorite study and can't make up his mind as to his favorite exclamation; politically he is on the fence; and his home, he says, is any place. He is not married, and doesn't know whether he ever will be or not. The only things he is at all sure about are that he was born in 1880 and entered Purdue in 1900. Doubtless if questioned closely he would back down on these propositions. He hails from Cincinnati, more or less, and answers indiscriminately to the names "Jock," "Sambo," "Phil" and "Robbie."



SENIORS

WALTER CHARLES ROESNER, Graduate in Pharmacy.

"Fat" is another of the Dutchmen of the Pharmacy department. His home is in Indianapolis. His favorite pastime is dancing, at which he is very graceful. He is a general favorite (?) with his professor, of German extraction, because he drinks Hires' Root Beer. It is said that he frequently walks to the West Side from the neighborhood of the Monon shops in order to reduce surplus flesh. "Fat" will land some day.



LOUIS GERALD ROSENSTOCK, B. S. in Electrical Engineering.

Purdue Branch A. I. E. E.

Thesis: Alternating Current Electrolysis of Iron.

In 1883 the good people of Warsaw, Indiana, graciously accepted this fat little boy, who on that date presented himself to that community, and he has been one of their town characters ever since. On one cold and frosty morning the social iceman came to Warsaw and "Rosy" sought out St. James Military Academy as a warmer clime. Finding it impossible to keep still in ranks he deserted, and for the last three years has been a member of the famous class of '04. He has succeeded in developing a very symmetrical horizontal projection, and in June will take a large proportion of the good wishes and food supply of this community away with him.



LINN CARNAHAN ROSS, B. S. in Mechanical Engineering

Thesis: A Study of the Frictional Qualities of Brake Shoes for Passenger Service.

Linn Carnahan Ross is a product of the Lafayette home market. Being impressed early in life by Brigham Young's famous saying, "Young man, Go West," he accordingly drilled the levee and sought success at the time of the '04 influx. Circumstances and "Stump" Galbreath had much to do with the fatal choice of courses, but he soon became interested in the brakes on the modern Lafayette cars, and determined to revolutionize the system by a study of the subject. Hence his association with "Jimmy" Hoffman's flock. We trust for the sake of the public that his research in brake shoes will eliminate the use of square wheels on cars and bring glory to him and peace to the passengers.



HARTLEY ROWE, B. S. in Electrical Engineering.

Class Football (2) (3): I. O. D. D.

Thesis: A Study of Direct Current Motors.

Hartley Rowe, the "sleepy" "E. P." from Goodland, Indiana, the place where nothing bad can grow, was planted in the nutritious soil of his birthplace in the year 1882. But like the cabbage and not the corn, his growth was so limited to the dimensions of breadth and thickness that well does his popular name of "Density" apply. He paddled into Purdue in 1900. After a desperate struggle of four years against the swift electric current he believes he has become sufficiently skilful, aided by the department of Electrical Engineering, to provide for his canoe a motive power of his own design.





EARLE CHESTER SALISBURY, B. S. in Agriculture.

Agricultural Society (1) (2) (3) (4), Secretary (1), President (3), 1st Lieutenant, Cadet Corps; Bird Club (3) (4), Secretary (4); Y. M. C. A. (1) (2) (3) (4); Athletic Association.

Thesis: Bacteriological Study of Unclean Milk.

"Sally" dropped in among us from Orland, in the beautiful lake country of Steuben County. He has always been deeply interested in military affairs and wears shoulder-straps becomingly as a matter of course. His favorite pastime is the study of birds, fried chicken being his special delight. "Sally" expects to spend some of his coming years in molding the golden product of his fine dairy herd. We can not mistake when we prophesy that his days will be full of successes, for he has devoured the essential amount of brain food in the form of shredded biscuits and Force during his college course to make an intellectual Samson.



HOWARD ERNEST SATTERFIELD, B. S. in Mechanical Engineering.

Tau Beta Pi; Masonic Club; Y. M. C. A., President (4).

Thesis: Investigations as to the Designs and Holding Powers of Transmission Blocks as Applied to Conveying Cables.

Howard comes from the thriving town of Fairmount in the great State of West Virginia. He learned his A B C's at Fairmount State Normal. Howard couldn't be called a ranter, he is too quiet, but in the matter of hustling after knowledge he has shown many a clean pair of heels. His favorite girl's name is Grace, though we do not know why. He is bound to make a success because he is such a patient, hard worker.



GUS CHARLES SCHONEFELD, Graduate in Pharmacy.

Gus came into this world with a broad grin on his face in the year 1882. This was an eventful year—for Gus. Terre Haute sent him to Purdue, where the Pharmacs called him "Gloomy Gus." He was at one time assistant at Griffith's Dancing Academy, but later spent his spare time on skates, generally roller. He is one of the "Four Dutchmen," and one of most popular men of the class. A drug store awaits his return to Terre Haute.



HARRY ARTHUR SCHWANKHAUS, Graduate in Pharmacy.

President Pharmacy Class (3) (4); Class Football, Qb.; Class Baseball, 3b and Manager.

Schwankhaus, popularly known as "Schwank," hails from Indianapolis, where he was president of his high school class. He is always out for fun and a good time. He did good work on the Pharmacy eleven and nine. He holds the record for times fired from "Julius' Lab." and is proud of it. His name indicates his nationality and we think his success will be as long as his name.

SENIORS

BERNARD W. SEAL, Graduate in Pharmacy.
Invitation Committee.

"Tubby," or "Cabby," is the only Irishman in the Pharmacy Class. He is a product of Loogootee, Indiana, wherever that may be. He is the most portly man in the class and says it is not his fault that he is baldheaded. We still remember when "Fac" was his side partner and how they talked of "Mamma's Horses." Seal, we fear, will leave the school with a confirmed habit of going: "Baa! baa!"



JOHN BOWMAN SEBRING, B. S. in Electrical Engineering.
Thesis: Design of a High Tension Transmission Line.

"Curly" has always been a familiar figure on the campus, and it will be a long time before we cease to shut our eyes and see that black curly hair and the checked drab shirt when his name is mentioned. His name has not been prominent in the class records, but he has always taken an active interest in class welfare. He has considerable ability along several lines, but has missed the majority vote for the laziest man in the class by such a small margin that we see readily why we have not heard more of him. He was in our Sophomore year the crack No. 4 of the Battery, but military life was too strenuous for his blood and he quit it. He is from Portland, Indiana.



ELLA MABEL SHEARER, B. S. in Science.
Thesis: The story of George Eliot's "Adam Bede."

Ella Mabel Shearer began to aspire to higher intellectual achievement in the Lafayette High School. A strong masculine tendency to mathematics has served to distinguish her from the common crowd. Some have thought her distant and austere, but when the "Vail" has been removed we have found a most companionable individual in the person of the "Gibson College Girl." It may be that she will achieve distinction as a preceptress in sines and angles, but we rather expect that the influence of the Sociology course has not been lost upon her and that she will find her sphere as a leading social dame.



EUGENE ALOYSIUS SHEEKEY, B. S. in Mechanical Engineering.
Thesis: Experiment to Determine Wind Pressure on Certain Geometrical Solids.

Eugene A. Sheekey hails from Braddock, Pennsylvania. While yet a mere boy he showed all the characteristics of an engineer. It is reported that he built a clay-slide down the banks of his native river so true to the theory of Schiele's Anti-friction curve, that the acceleration of a body on it only differed from "g" by an infinitesimal amount. His keen knowledge of sliding brought him safely into the Mechanical course where he has since interested himself in the study of wind pressures, whence, whither, and wherefore the causes. After graduation he will spend his time blowing about and disseminating his supply of knowledge to the youths of his historic county-seat.





PERRY THOMAS SIMONS, B. S. in Civil Engineering

Civil Engineering Society (1) (2) (3) (4), Vice-President (3); 1903 Class Football Team (1) (2) (3); Athletic Association (1) (2) (3) (4).

Thesis: An Interurban Project from Lafayette, Indiana, to Hoopeston, Illinois.

"Peety" is one of the wrecks left stranded by the Class of 1903, but is being washed on to the desired haven of a B. S. degree by the stronger current of 1904. However, his being left behind is due to the fact that the C. P. & St. L. R. R. could not get along without his services, rather than to any fault of his. He is probably the meekest man in the Civil class; and we are told that his main object in life is to discover a sure 'nuff hair renewer.



HOMER EDWIN SMILEY, B. S. in Electrical Engineering.

Thesis: Economic Value of Storage Batteries.

He doesn't live any place, didn't come from any place, isn't going any place and isn't looking for any place, and yet in spite of his world of no troubles he is still "Smiley." If anybody ever heard of Smiley making a quick move, we wish they would record the fact in the next census. How he is going to keep up with Electricity we can't see, but he says he expects to be "President," so may be he won't have to be in a hurry. Whether the presidency is to be of a lightning rod syndicate or a country school "Society for the Advancement of the Art of Gab," he fails to state. He managed to clear all of the hurdles in our course by some hook or crook, and, after all, if we hadn't had Smiley to poke fun at, it would have been a dull time on more than one occasion. West Lafayette claims him.



RICHARD WIRT SMITH, Graduate in Pharmacy.

Smith is somewhat of a "Buttinsky," but it is partly excusable, as he is the only one of his kind in the Pharmacy Class. He is the best baseball player in the class and has had considerable experience along that line, having caught for the Manual Training School before entering Purdue. He has made a good record in his studies and has also been busy on the East Side, as it is there that he is called "Spooky." He is from Indianapolis.



ELMER PHILIP SMITH, B. S. in Mechanical Engineering.

Carlyle (2) (3) (4) Corresponding Secretary (3), Recording Secretary (4); Mechanical Engineering Society (3) (4); Athletic Association (4); Madison County Club.

Thesis: Tests of Pneumatic Hammers.

"Epic" is another one of our gas belt prodigies who came to us to be recharged when the gas gave out at Anderson. Having been born in Pennsylvania he quickly fell in line with us when we played the Dutch Company, and since that original muster has remained a persistent and consistent supporter of our cause. As he was not altogether mechanical in his make-up he turned Carlyle and fed his literary self upon the bread and wine of their Periclean table. This insight into the arts turned his mind to the study of nature, and he accordingly joined the Madison County Club, so that, unmolested, he might sit and muse on the works of heaven and hammers. To manufacture these ideals and make the famous name of Smith more famous is his primary aim in life.

SENIORS

ROBERT TURNER SPAIN, Graduate in Pharmacy

Spain, or "DeCuba," like the other Terre Haute guys, says roller skating is his favorite sport and we believe him. His favorite prof. is "Pap" Green, and there is no doubt that it is a case of reciprocity. "Spainie" has shown his artistic sense of beauty by voting "Rats" Billman the handsomest man in the class. We have witnessed his stick-to-it-iveness and can not help but feel that Spain will be in at the finish.



CHRISTIAN CARROLL STAUFFER, B. S. in Electrical Engineering.

Purdue Branch A. I. E. E., Secretary (3) (4); Athletic Association (1) (3); Cadet Corps, Captain (4).

Thesis: Design and Construction of an Autotransformer Voltage Regulator.

The name and fame of Purdue have penetrated to Chambersburg, Pennsylvania, and from these mountain wilds comes Christian Carroll Stauffer. For two years "Stalky" has been Secretary of the Purdue Branch of the A. I. E. E. (an abbreviated expression which stands for: "Am I an Electrical Engineer?"). He is also a member of that exclusive organization, Pi Beta Rho, whose name is of Greek origin, and which in King's English signifies "Powers Block Rowdies." "Christie" is proof against the wiles of the daughters of Eve, and vows his life will ever be one of celibacy.



ROY LANOON STEELE, Graduate in Pharmacy.

"Stecly" started out to be a ladies' man, but could not keep the pace. He is quite a chesty boy, and looks well in a red jersey. He played shortstop on the Pharmacy baseball nine and proved his lung capacity by making more noise than any other member of the band, of which he was a member during his Junior year. Steele is a member of the Masonic Club. Judging from the pink envelopes he receives semi-weekly, we think he has a bad case with some fair damsel of DePauw. He hails from Oxford, Indiana.



JOHN JAMES STEVENS, Jr., B. S. in Mechanical Engineering

Mechanical Engineering Society; Class Football (2); Class Baseball (1) (2) (3) (4); Athletic Association (1) (2) (3) (4); Texas Club, President.

Thesis: Cylinder Efficiency of Locomotive Schenectady No. 2 Under Various Pressures.

"Jack" came from San Antonio in the Lone Star State, and brought with him into our ranks all of the Texas sunshine his small stature would retain. From the day of his arrival in 1900 he worked first, last and always for the supremacy of '04. He has been a member of every committee that established '04's class features. The class colors, corduroys, ring and pipe came directly from his suggestion. He has been one of our most ardent supporters of class and varsity athletics, aiding materially in the development of the baseball teams. All things considered, the class would not have been what it is without "Jack," and his cheerful salute and blue eyes will ever remain in our memory.





LAUSON STONE (Not Graduated). Mechanical Engineering Course.

Sigma Alpha Epsilon; Mechanical Engineering Society; Chemical Society (2); Irving (2); Cadet Corps, Captain Field Battery; Senior Banquet Committee; DEBRIS Staff, Associate Editor. Minuet Club (3).

Lauson Stone has labored under three handicaps in his college career, any one of which would have had nine out of ten of us down and out before we had passed the Sophomore milestone. In the first place the incubus of being a brother to the president of the University has weighed upon him in the shape of his nickname of "Doc," which was bestowed on him early in our Freshman year, and has clung to him ever since. Secondly, at about the same time as above mentioned, he developed what is technically known as a "case," which has not become any less acute with years, and which was partly responsible for his attempt to take both Mechanical Engineering and the Science Course at the same time. Lastly, a six months' tussle with typhoid did indeed send his chances of graduating with us glimmering, but he is an '04 man through and through, even if he does have to fall back on '05 for his sheepskin. He is from Amherst, Massachusetts.

WALTER ALFRED STOUT, Graduate in Pharmacy.

"Alphonse" is six feet tall, was raised on a farm, and is proud of it. He is quite a juggler and has made this his specialty since entering the Pharmacy Department. He has been voted the funniest acting man in the class and surely deserves this distinction. He is a crack baseball player and has made several attempts to measure his full length on the Coliseum floor. Stout has had but little store experience, but when he gets it he will be O. K. Indianapolis is his home.

JAMES WATT SWEARINGEN, B. S. in Mechanical Engineering.

Athletic Association (1) (3) (4).

Thesis: Efficiency of a 10 H. P. DeLaval Steam Turbine.

A phrenologist named him when he was a mere child, and strangely enough the bump specialist was not amiss in his choice of cognomens, for since growing up "Jim" has taken to engineering like a duck to water. Just before leaving Purdue, he is learning something about Mr. DeLaval's turbine with a view to putting a better one on the market after taking up his future work with the General Electric Company in their turbine works. Sam White is the best all-around man in the school in "Watty's" estimation, and his choice of men augurs well for his future welfare. He is from the great city of Shideler, Indiana.

SINGLETON YOUNG SWEENEY, B. S. in Mechanical Engineering.

Beta Theta Pi; Cadet Corps, Sergeant (2).

Thesis: Design of Central Heating Plant.

We thought when "Sys" wandered into the campus with us in 1900 that he was about as haphazard, out-of-joint, meadow-grassed looking chap as we had ever seen. But we held our peace and questioned him not. And lo, he proved to be a shark in "Dutch," and by the time we reached the top wing of the mathematical ladder it was Sweeney above all of Sec. 7 that Prof. Waldo commended for hard, consistent work. Owensboro, in the Blue Grass State, is his home. He has a sweetheart awaiting his return from college to share the profits from his education.

SENIORS

ROY FRANK TAYLOR, B. S. in Mechanical Engineering.
A. O. D. D.

Thesis: Design of a Centralized Heating Plant.

Roy was first a "kid" at Winchester, Indiana. He spent the early days of his life upon the farm where the hum of the threshing engine instilled into him an intense desire for the study of Mechanical Engineering. During his University career "Kid" made a special study of heating plants, and has succeeded in perfecting a contrivance for the utilization of the superabundance of "hot air" usually found in connection with the Machine Design classroom. When he goes forth from the protecting walls of Purdue he will act as special agent, selling his heating device to poultry producers and political hot-beds throughout the State.



LEWIS TERREL, B. S. in Mechanical Engineering

Beta Theta Pi; Mechanical Engineering Society; Athletic Association (1) (2) (3) (4); Cadet Corps, Chief Trumpeter (2)

Thesis: Design of Central Heating Plant.

"Skeeter" was born in San Antonio, Texas, we are gravely informed, in the year 1762 A. D., thus making him, unless our arithmetic is at fault, 142 years old. In spite of this advanced age he is still hale and hearty, and four years ago had some difficulty in persuading Dr. Stone that he was above the required age of sixteen. He cut his wisdom teeth at Purdue under the guidance of such famous men as Bob Dunham and Rocky Ulrich, and has while here increased much in wisdom and stature. He has a wide circle of friends, and it was wholly unnecessary for him to vote for himself in order to poll a good vote for most popular man.



OSCAR ERNEST THALEG, B. S. in Mechanical Engineering.

Phi Gamma Delta; Mechanical Engineering Society

Thesis: A Design of a Plenum Heating System for the Physics Building at Purdue.

Oscar happened in Philadelphia in 1879. After preparing at the Philadelphia Manual Training School he became infected with a desire to inquire more closely into "what makes the wheels go around," and that brought him to Purdue. As his nicknames of "Oskie" and "Oci" indicate, he seems to be of a Scandinavian origin. The associations of early days seem to cling to him strongly, for he is surrounded by an air of dignity and sobriety that would do credit to an old resident of Quakerdom. Like others of the boys he is quite a bluffer, and it is an interesting sight to see his bluff in operation.



ANTON FAY DEINSE, B. S. in Mechanical Engineering.

Tau Beta Pi; Carlyle; Mechanical Engineering Society; Electrical Engineering Society

Thesis: Ohio River Falls Electric Power Plant.

"Van" made a reputation as a shark and a dig at Indianapolis Manual Training High long before Purdue ever heard of him. He nosied up here in the fall of 1901 and waded into the Sophomore M. E. work; but there wasn't more than half enough to keep him busy there, so he has been carrying in addition most of the work of the E. E. course as a sort of recreation. He resided on the West Side for a year, and then something seemed to draw him toward the city. It is rumored that it is one of the fair tribe, but as yet no wedding invitations have been received.





JEROME GOODSPEED VAN ZANDT, B. S. in Civil Engineering.

Emersonian (3) (4); Civil Engineering Society (3) (4); Assistant Physical Director in Gymnasium (3) (4); Director of Music in Convocations (4); Choral Society; Y. M. C. A.; Composer of a Purdue Song.

Thesis: An Economic Study of Gradients.

"Van's" horoscope was read in the constellation of Capricornus, checking roughly with the slide rule on the Ephemeris of Cook County. As Schlitz has worked wonders with Milwaukee so has "Sen-sen" made Chicago famous. He butted into Purdue when we were Juniors with such force that a series of butting vibrations were propagated in all directions. The pulsations of his efforts have been felt in all departments, but principally in music, and with Dr. Stone he has made his hit. He works with an object ever in mind and in our minds is himself an object-lesson. His life has left an indelible imprint on our minds and a copyrighted print on the fly-leaf of every song book in Fowler Hall.

EDWARD HENRY VEHSLAGE, B. S. in Electrical Engineering.

Electrical Society; Purdue Branch A. I. E. E.; Track Team, Insignia (2) (3) (4); Winner of Five Medals for Track Events; Athletic Association.

Thesis: Candle Power, Efficiency, and Light Distribution of Incandescent Lamps.

Vehslage was born at Seymour, Indiana, in 1883. That this puny child (for he was once small), was to become one of our great athletes would have scarcely been believed at the time. But "Shorty" took on a surprising amount of sapwood, and now his admirers glory in the fact that a cast-iron ball dropped from his upper branches will travel some thirty-five feet before it reaches the ground. "Shorty's" ambition is to make a standing high jump over the grand stand, and if present indications are not deceptive he is likely to succeed.

ROBERT RUSSEL VINNEDGE, B. S. in Mechanical Engineering.

Sigma Nu.

Thesis: A Study of the Frictional Qualities of Brake Shoes for Passenger Service.

"Bob" has always been here or near by, being a Lafayette man; and now we hope that he will carry his degree abroad and that he will make much smoke in this little world of ours—just as much as he raised behind the loco. sheds; and that he will love his lifework just as he loved those fleet winged hours in "Steam Heating and Ventilating." He is a doctor by birth and by inclination, and can doctor up lab. reports like a veteran. "Bob" was an old stanch member of the '09 club and could have been president had he but been a resident.

LOUIS DAVIS WALDRON, B. S. in Electrical Engineering.

Sigma Nu; Purdue Branch A. I. E. E.; Cadet Corps, Captain and Corps Quartermaster.

Thesis: Efficiency of Equalization of Storage Battery.

"Baron" hails from Chicago. The padded perambulator which in 1900 conveyed him from the arms of his nurse to the front door of Purdue is no longer in use, but Louie still recalls that time as the advent of his apprenticeship to a worldly life. And what a thorough training he has had! Among other important events in his scholastic history the following are prominent. One dark and horrid night he was captured by the Sigma Nus. Then an order came from the Com. commending face and figure (his pride), bearing a first lieutenancy. He was charged with the drinking of beer, but refuted it with the sworn statement that it was milk and water, half and half, and we believe him. Now it is said he will graduate with the '04 Class—wonders will never cease!

SENIORS

CLAUDE DAVID WALL, Graduate in Pharmacy.

Wall comes from Marion, which is in the Gas Belt, and many things are thereby explained. He entered Purdue from the Marion Normal College in 1901, but stayed out of school the next year to work in a drug store. On re-entering school this year with the present Senior class he soon became known by his long hair, his aquiline nose and his New England twang. Wall will be remembered here many years after he has gone by the mark of lead plaster he has left on the laboratory wall.



ARTHUR LOUIS WALTERS, B. S. in Pharmacy.

Irving (1) (2) (3) (4), Annuals (3) (4); Committee on Memorial Day Exercises; Captain Pharmacy Baseball Team; Athletic Association (3); *Exponent* Staff, Reporter (2); DEBRIS Staff, Literary Editor; Minuet Club; Pharmacy Representative, Memorial Exercises.

Thesis: Albuminates, Peptonates, and Similar Compounds.

From Battle Ground, Indiana, comes this youthful phenomenon and infant prodigy. Though only twenty summers have elapsed since "Doc" was first lulled to slumber by Mrs. Winslow's Soothing Syrup, or some other standard proprietary article, his is recognized as one of the best-trained and developed intellects in the class. He enjoys the distinction of being the only four-year Pharmic, and has made a host of friends among both the Science group and the Pharmacy aggregation.



FRANK CARLYN WATSON, B. S. in Electrical Engineering.

Purdue Branch A. I. E. E.

Thesis: Comparison of Commercial Values of Different Sources of Light

Frank Watson ("Billy") entered Purdue at the tender age of sixteen. For four years he has fought off the terrors of "Mike," Krause, Fermier, and Plumb, and has succeeded in withstanding the horrid nightmares caused by their respective subjects. For one so young this has been a fearful ordeal, but to-day he stands with the tried and true, and in June will not be found hooking on behind as the class goes by.



MADISON ELMER WEIDNER, B. S. in Electrical Engineering.

Purdue Branch A. I. E. E.

Thesis: Comparison of Commercial Values of Different Sources of Light

"Hans" Weidner, from Mulberry, Indiana, is about the only full-blooded Dutchman in the class. So Dutch is he that he still wears wooden clogs for bedroom slippers, and is often heard gurgling something like this: "Die langer die Schlimmer" at the most unexpected moments. Had this expression been: "Some schlimmer, not Weidner," a glance at his stature would have been sufficient translation. "Hans" expects a B. S. in E. E., but his thesis would indicate that at the eleventh hour he is still seeking light.





OSCAR HAINES WEST, B. S. in Electrical Engineering
 Tau Beta Pi; Purdue Branch A. I. E. E., 2d Vice-President. Athletic Association (1) (4).
 Thesis: Efficiency of Equalizations of Storage Battery Equipments.

In the year 1881 Martinsville was gladdened by the advent of the original of the accompanying illustration. "Oskie" lived a peaceful life at Purdue for two years and the greater part of the third, until the time of the Sophomore banquet ruction, when he was called upon to answer to a trumped-up charge of inciting the Freshmen to deeds of madness. His defense was an alibi, which he proved by exhibiting thirty-seven Steam Engine problems which he had worked at the identical time of the excitement. Being considerable of a shark, it goes without saying that he has many friends, yet his disposition is such that he would probably have had them anyway.



THEODORE FREDERIC WESTON, B. S. in Mechanical Engineering.
 Thesis: Efficiency Test of the Pyle-National Electric Headlight Steam Turbine.

"Thee" needs nothing else besides his name to tell us he's a "Westoner." With the spirit of the Pacific fresh upon him and the bloom of California on his cheek he planted himself among those who fled before our class last June. Fortune was kind to our young pilgrim and placed a ban of sickness on his record in '03. Accordingly we received him from those who had shared him first, and raised him up among us in the likeness of ourselves. His reverence for steam and its powers has been his leading characteristic; to him it is always "holy smoke," and even his thesis involves its study under electric lights. He lives in West Lafayette.



RALPH WALLACE WHITAKER, B. S. in Civil Engineering
 Delta Tau Delta; Civil Engineering Society.
 Thesis: Designs of a Series of Reinforced Concrete Arches.

"Whit" entered the race with the '038, but the pace soon proved too hot for him and he dropped back a lap. He expects to sneak under the wire next June when the faculty aren't looking. When not engaged at the University he is usually to be found acting in the capacity of chair-warmer at Paw Towsley's. He avers that his favorite sport is studying, thus exhibiting his keen sense of humor. He is a No. 1 good fellow, and will doubtless make his way in the world if he is not hurried too much. He will be "at home" to his friends at the home of his boyhood, at Davenport, Iowa.



ALFRED EVERETT WHITE, B. S. in Science
 Chemical Society; Irving Literary Society, Critic (3), Vice-President (4); Y. M. C. A.
 Thesis: On Definition of Irrational Numbers.

"Whitey" comes to us from the town of Liberty, Indiana. He received his early education at DePauw Academy, where while still young he displayed marked ability in Mathematics. In Purdue he has made a reputation in that line, and he expects to make it his lifework. He is perfectly harmless, and would not hurt a fly. He was never known to use naughty language except the time the Buffaloes initiated him.

SENIORS

SAMUEL ORR WHITE, B. S. in Mechanical Engineering.

Tennis Club (3) (4); Athletic Association (1) (2) (3) (4); Y. M. C. A. (1) (2) (3) (4).
Thesis: Efficiency of a Steam Turbine Using Dry Steam.

Samuel Orr White methodically planned his course and school long before he had delivered his salutatorian address at the famous Evansville High School. Together with the renowned Brownlee, ex-hurdler and yacht designer, he took up his abode at the Red Dragon Inn and proceeded, like old James Watt, to turn his gifts of Providence to the benefit of the human race. The patented "Bud Gas Engine," followed quickly by the disappearance of plans and Brownlee, was the lamentable result. To drown his sorrow Sam decided to indulge in the frivolities of life, and accordingly became a disciple of O. L. Foster's, and a partner for Ritter in the doubles.



JOHN ROY WHITEHEAD, B. S. in Electrical Engineering.

Purdue Branch A. I. E. E.; Varsity Football (4); P. R. won (4); Class Football (2); Ohio Club.
Thesis: Design of a Telephone Distribution for Lafayette.

Old J. R. is a pole horse from start to finish. He started with the '02s, but rightly concluding that he was too good for that gang, he dropped out and jumped into the '04 train as we came along. He is one of our best all-around men, and perhaps the most conscientious worker in the class. He has supported himself throughout his college course. His disposition and character have tended to make better men out of those of us who were so fortunate as to be his associates. He expects to follow telephone engineering and the world will hear from him in connection with this activity. His home is Monclova, Ohio.



FRANK ALLAN WHITTED, B. S. in Mechanical Engineering.

Masonic Club; *Exponent* Staff, Reporter (3), Assistant Business Manager (4).
Thesis: Cylinder Efficiency of Locomotive Under Various Speeds.

His home, he says, is anywhere his hat is off. He got on somewhere in the course of our Freshman year, and we have never been able to lose sight of him since. We recognized him as a worker and predicted for him a bright future while he was still indistinguishable from the grass. He has been a factor in the reform of the *Exponent* and has performed well his part as "chief nudger" to "Corporal" Rusterholz. He had some notion of graduating with '03, but saw his error while there was yet time; and when the '04 roll is called in the Gala Week of 1904 Whitted will be on hand with the rest of us graybeards.



HORACE RAY WILLIAMS, B. S. in Electrical Engineering.

Purdue Branch A. I. E. E.; Class Baseball (3) (4); Minstrels (1) (2) (3); Band (1) (2) (3) (4).
Secretary-Treasurer (3), President (4); Cadet Corps, Sergeant (3), Chief Musician (4); Madison County Club.

Horace Ray Williams, whose name has been sadly mutilated in its passage down the corridors of time, is now generally known as "Billy." He is a resident of Pendleton, Indiana. After graduation from the Pendleton High School he decided to become an electrical "inmate" of Purdue, and accordingly sailed up here with his diploma under one arm and his horn under the other. For four successive years he has been a member of the band and of the minstrels. During his Sophomore year he was conscripted by the Albright Musketeers, and he has served with distinction for three years. He is at present devoting all his energies to the question of earning the right to attach the magic letters "B. S." to the tag-end of his name.





OWEN ESTEL WILLIAMS, B. S. in Mechanical Engineering

Athletic Association (1) (2) (3) (4).

Thesis: Design of a Governor Testing Machine.

One of the biggest little men in 1904, and one whom it is easy to miss, because of his quiet, unassuming nature. He was, peculiarly enough, the choice of many for the biggest bluffer in the class, but we are inclined to believe that professional jealousy prompted such votes, rather than any inherent qualifications for the honor on the part of the "kid." "Jimmie" Hoffman predicts great things for him, and when "Jimmie" sees good in any one it is time for the rest of us to lay away our hammers. He is from South Bend, Indiana.



ALEXANDER PAUL WOOD, B. S. in Electrical Engineering.

Phi Delta Theta; Electrical Engineering Society; Class Baseball team (3); Purdue Polo Team; Anarchist Club.

Thesis: Efficiency of Transformers on Different Frequencies.

"Al" is a sapling of the Fort Wayne Woods. Under cover of the parent tree he sprouted until the necessity for a richer soil transplanted him to the nation's gardens on Manhattan Island. As a slip in the Delphi Academy he flourished for a time, but the proximity of hockey rinks stunted his growth, and he, at the request of Van Landingham, was set out in the campus of Purdue. Here, together with his companions, he has borne with great solemnity the brunt of all winds and storms. Even though in later days electrical shocks have struck him and polo balls for a time reduced his assimilative powers, he has come out from them all, scathed yet alive and with an '04 jersey swathed about his form.



LOIS EVA YAGER, B. S. in Science.

Philaethan Literary Society, Secretary (1), Censor (2), Annuals (2), Vice-President (4); DEBBIS Staff (4).

Thesis: Ruskin's Seven Lamps of Architecture.

Lois was born in Lafayette, has lived in Lafayette, has been educated in Lafayette, but says "Providence permitting," she "hopes to have a change some day." She is studious and conscientious in her work, but has in some unaccountable manner gained a reputation for being lazy. She hopes in time to live down this record and will make a beginning by mastering Ruskin's "Seven Lamps of Architecture." She hopes to be able to follow her favorite study, "Art," in the future, but will be satisfied next year to teach.



CHARLES WALTER YELM, B. S. in Civil Engineering.

Civil Engineering Society.

Yelm is a product of Lafayette, and has drilled across the levee regularly in the last four years in his peregrinations to and from school. According to popular opinion he spends most of his time wrapped in Morpheus' fond embrace, and indeed he says that Fair Dreamland is his favorite study. He is neither very good nor very bad, but just good natured, accommodating old Yelm. Some of these days he may come out of his trance and startle the world by some brilliant accomplishment. But don't hold your breath till he does.

SENIORS

SUKICHI YOSHISAKA, B. S. in Electrical Engineering.

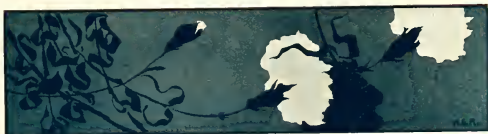
Thesis: Design and Construction of Electromagnetic Absorption Dynamometer.

Suckichi Yoshisaka, from Kobe, Japan, has been a most interested student of American slang. He took this up as a side line, starting his first year's tutelage under the efficient Professor Krause, making marked advancement and completing the course with an essay on "Dem Fool." He has here and in Ohio University, which he attended for some time, managed to obtain a surprising amount of electrical information, and is now formulating a wireless method of transmission by which he hopes to electrocute the entire Russian forces. He is at present experimenting on Karchoff as the nearest substitute for a Russian.



GARTH BERNARD YOUNG, Graduate in Pharmacy.

Last of all, but by no means the least, we have Garth Bernard Young, who comes to us from the neighboring town of Frankfort, Indiana. "Bungie" is the most easily excited person in the Pharmacy class, and various hypotheses have been advanced in explanation of this phenomenon. One of them is that in his early youth he was badly frightened by a bumblebee and has never recovered from the shock. We are not able to vouch for the accuracy of this theory, however. As was the case with many another Pharmic, "Bungie" caught the skating craze last summer at Terre Haute and he has not yet recovered from it. He'll be all right if he doesn't get lost.



THE MELANCHOLY ROLL OF THE "ALSO RANS"

Frank Monroe Adams
 Arthur Smith Alexander
 Henry Russell Allen
 Ed Hislop Allfree
 Rulison Archer
 John Atlee Barnes
 William Edmund Bausman
 John Walter Beiger
 Edgar B. Bell
 William Willis Benger
 George Reily Berry
 Roscoe Morton Bert
 Walter Edward Best
 Arthur Charles Bingel
 Charles E. Bird
 Frank Bishop
 Harry Merrill Bowser
 Walter Bohrer
 Emmett Jos. Bradley
 DeWitt Brane
 John Frederick Brewer
 Arthur Bridge
 Francis LeDoux Bringhurst
 Herbert Eldon Brown
 James Graham Brown
 Orville Alverson Brown
 Robert Garfield Brown
 Dalmar Brownlee
 Ross Leroy Bryant
 Charles Nagle Burks
 Elmer Jacob Burton
 Bert Bust
 Joseph Angus Cameron
 Edward Campbell
 Paul Wilder Carnahan
 Frank Claud Carpenter
 George Wilkinson Case

Anna Gertrude Cason
 Oscar W. Caswell
 Charles William Cathcart
 Rose Cavins
 Ada Marion Palmer Chase
 John Maxwell Clark
 Charles Cicero Coble
 Ralph Raybord Coble
 Percy Burgess Collins
 Archibald T. Conner
 Marvin H. Coppes
 Claudius Bodine Covert
 Clarence A. Cox
 Edmund Kirby Danner
 Ralph Henry Davis
 Noble Dean
 James Henry Decker
 Irvin Clifton De Haven
 Arthur Leroy Deniston
 Elijah Carter Deupree
 Carl Frederick Diether
 Arthur Garfield Dorland
 Charles Lewis Dransfield
 John Handy Dunham
 Robert Moore Dunham
 Robert Middleton Eacock
 Andrew W. S. Ellison
 John Emberland
 Vivian Herschel Emerson
 Lewis Walter Failor
 Lucy Jennings Farneman
 Walter Edward Finley
 James Arthur Ford
 William Hamsley Forman
 George Haskall Francis
 Anthony Garrett
 Homer Genung

George Boothe Gillmore
 Garth Griffin Gilpin
 Walter Goldsberry
 Jack Crandall Goodale
 James Louis Graham
 John William Graham
 Albert Benson Greenwood
 John Henry Greenwood
 Alfred William Gregg
 Will C. Griffin
 Walker Wells Griffiths
 Merle Gwin
 Carroll Hall
 Ernest Noble Halstead
 Josiah Preston Halstead
 Curtis Harbott
 John William Hardy
 Thomas M. Hardy
 Lou Harrington
 Wilton B. Hartman
 Edward A. Hartsock
 Ella Elizabeth Hawkins
 Ernest Ward Headington
 Archie James Hedgcock
 Claude Wilber Heiser
 Earl Burr Henley
 John Zell Henley
 Walter J. Hequeumbourg
 Adolph Paul Herff
 William LeRoy Herkless
 Ralph T. Higbee
 William Ray Hiller
 William Manville Hogle
 Howard Holder
 Arthur Hollenbeck
 Horatio Land Holton
 Hugh Kendall Hood

Roscoe P. Hoover
 Ernest Parker Hunter
 Clement Benjamin Isley
 Charles Ray Jamison
 Percival R. Jeffries
 Heeber G. Jenkins
 Edward R. Johnson
 William Amyas Johnson
 Percy Lee Jones
 Porter J. Garfield Jones
 John Clifford Jordan
 Charles Ashley Jump
 Frank Kaul
 A. Chester Keel
 Ellis Kever
 Albert William Kelly
 Adin W. Kelsay
 James Philip Kemmerer
 Wade Hampton Kerr
 Hardy Prime Kieffer
 Edgar A. Kimmel
 Arthur Roger Kinney
 Guy Eric Kitchin
 David McHaffie Knox
 Ezra Willard Koontz
 George Brown Lapping
 Harry John Lawson
 James Harold Leech
 J. Ralph Lewis
 Forrest Marine Logan
 James Blaine Lowenstein
 Thomas Vernon Ludlow
 George Chris McCann
 Harry Paul McCann
 Leo John McCConnell
 Austin L. McGraw
 Don Walter McKelvey



THE MELANCHOLY ROLL OF THE "ALSO RANS"

Continued

William Gardner McManus
Lyle Manner
Asa D. Marine
Frank Markel
Lindley Earl Marshall
Harry C. Mather
Charles Fredrick Mayer
Edward Hanson Mayo
Seth Fenton Michael
Carl Leslie Miles
Frederick Herman Miller
Henry William Miller
Raymond Poster Millikan
John David Minch
Ben Bassler Minor
Harry Gideon Mitchell
Oscar Moffitt
Edward R. Monroe
Eugene Holman Moore
Otto Newman Moore
Stacy Thomas Moore
George Holstein Morris
Fridolin Muller
Edgar Harris Myers
William Moore Neptune
Clifford C. Newsom
Lawrence Wharton Niklaus

Clark Ruddell Noe
Hugh Murray Noel
Albert Norton
Edward Charles Noth
Carl Nottingham
Carlos Charles Palmer
Dudley Chase Palmer
Eloise Parker
Mina Detcheon Patton
Joseph Orville Pearson
Martin Le Roy Peirce
David Dwight Pence
Arthur Henry Peters
Harry Garfield Porterfield
Frank Parmelee Price
Charles Edward Pyncheon
Randolph Railey
Robert Alfred Rannels
Chester F. Ranney
Louis Inglis Read
Clinton Gardner Reed
Frank Reeder
Roy Reeder
Harry Wallace Reimann
William Raymonds Reynolds
Mary Jeanette Roseberry
Minnette Ullman Rosenthal
Walter Roush
C. Ray Rowen

William English Russell
Stephen Edward Sandeson
Jay Shanks
Aaron John Sheridan
Estey Blair Shoemaker
Carl David Smith
Charles Piper Smith
David Turpie Smith
Leo Clifton Smith
Richard Morgan Smith
Clyde Wilbert Soule
Raleigh Eldon Stallings
James Stangland
John W. Stayton
J. P. Reid Steele
Thornton Stevens
Augustus Charles Straw
Harry A. Strong
Nellie G. Switzer
Nellie Alice Taylor
Walter T. Taylor
Ralph Edwin Teter
Myron William Thatcher
Arthur Samuel Thomas
Albert Maser Tragott
Frank H. Turley
Claude M. Vestal
William Hopkins Vinal
George H. Wagner

Charles Loring Wallace
Grace D. Wallace
Fred Jones Ward
Samuel Levi Weis
Alvin Wilbur White
Glenn Howard Whitham
Guy Carleton Williams
J. Pearl Wilson
Harris Jay Winters
Florence Ellen Woodfield
Robert Woodfill
Roy Clark Woolman
Anna Maria Wurster
Clara Adaline Wurster
Heikichi Yoshisaka

SCHOOL OF PHARMACY.

James Franklin Bence
Edwin Forrest Cook
Wheeler Oscar Deford
Will Lefcers Elliott
Millard Basset Holly
Virgil Jalbert
William George Lenkhardt
Robert Henry Porter
Joe Arthur Pyle
Worley Alexander Ross







SENIORS.

Motto
Our Class Forever

Colors
Blue and White

Yell
Wah! Hoo! Wah!
Wah! Hoo! Wah!
Naughty-four! Naughty-four!
Rah! Rah! Rah!

Officers

- | | |
|--------------------------|---------------------|
| President | HARRY G. LESLIE |
| Vice-President | HERBERT D. McCASLIN |
| Treasurer | HUGO A. BERTHOLD |
| Secretary | HELEN E. DARBY |
| Historian | J. CLYDE MARQUIS |
| Marshal | MILAN K. KARCHOFF |

Class Committees

- | | | |
|---------------------|--------------------------|---------------------------------|
| <i>Class Day</i> | <i>Arbor Day</i> | <i>Commencement Invitations</i> |
| H. G. Raschbacher | Horace A. Cook | J. Clyde Marquis |
| McGarvey Cline | Helen E. Darby | Pliny E. Crumrine |
| L. Murray Grant | J. Clyde Marquis | Herbert D. McCaslin |
| Cecil Crane | | |
| George D. Babcock | | |
| <i>Class Gift</i> | <i>Mechanics Burning</i> | <i>Insignia</i> |
| Herbert D. McCaslin | Alex. Lindsay | Everett E. Miles |
| Henry W. Merkel | Irwin S. Osborn | L. Murray Grant |
| Ross W. Harris | William F. Collar | David A. Herron |
| Bert B. Milner | Bert B. Milner | Fred E. Morrow |
| George Havens | Lewis Terrel | Alfred F. Berger |
| Frank Loring | Arthur E. Loder | Verne V. Mitchell |
| Warder Crow | Alva T. Edmonson | Edward H. Vehslage |

Class Banquet

- Samuel G. Clifford
Hugo A. Berthold
F. T. Huston
Frank A. Whitted
Lauson Stone

Class Emblem

- Alfred F. Berger
John J. Stevens
Edward O. Quinn

THE HISTORY OF THE CLASS OF 1904



PRESIDENT LESLIE

AN ACCURATE and adequate history of the Class of 1904 would most properly involve a history of all University affairs since September 11, the day of our arrival. For since that memorable day all of the student activities of Purdue University have to a large degree been permeated with the spirit and enterprise of some of our number.

From our first day at the University that quality of united, whole-hearted effort has characterized the activities of the class and has penetrated to all parts of student life with marked impression. With our coming the enrollment of the University passed the one thousand mark and began to grow toward its present magnitude. Not only were we many when we came, but the quality of the personnel of the class is evidenced by the number who have passed through the severe tests of four years and have come out with honors, ready to become examples of Purdue's finished product. We graduate the largest class, by a large margin, that has ever left the University. Also the per cent of our men who have come to this point is second to but a few of the earlier and smaller classes.

One of the first measures put upon a Freshman class is its strength as an organization and its ability to remain united and meet the combined forces of Sophomore "scrappers" and upper-class-man ridicule. We left no question of our virility by giving a class yell at the first chapel exercises of the year. Not many days had passed until the Tank was given the benefits of decoration. At once the overzealous Sophomores proceeded to change the angles of our numeral to the curves of their own, and at once this caused our dissatisfaction and vigorous objection was raised. Early in the contest we appeared upon the hill in such numbers that a disastrous "scrap" resulted. Only a few of these were necessary to cause apprehension in the minds of the faculty as to the wisdom of permitting such contests. It was seen that with such well organized contestants on both sides, overconfident Sophomores and determined Freshmen, that it would result in perhaps fatal carnage. Unacquainted with the wiles of the faculty, we lost interest upon their protestation, and "scrapping" ceased for the time being.

Later in the year the envy and conceit of the Sophomores found expression in a reviling and insulting poster directed at us, which they pasted on the sidewalks and buildings at night. We at once showed our resentment by coming downstairs at the next chapel exercises and taking the Sophomore seats. There resulted some excitement. Several professors acted as referees for fistic encounters. President Stone walked on the backs of the seats and interceded in behalf of the Sophomores. Chapel exercises did not occur in their usual manner that morning.

Our Freshman experience was not without benefit, however, for in our Sophomore year there occurred the greatest "tank scrap" in the history of the custom. Some one hundred and seventy-five of the timid members of the Class of 1905 arranged to protect the tank against the "Naughty-four" painters and their guard, which consisted of about one hundred members. After a conflict of an hour's duration the intervention of the Juniors and the injury of some of the more feeble Freshmen occasioned a truce, and a census showed some seventy tied Freshman and a practically unbroken rank of Sophomores.

But our prowess has not been confined to contests of this sort.

as to its athletic strength. From the very been recognized. Eleven men of the Var-among them were some of the stars of the teams were also strengthened. The cham-Our class football team was able to make the large number of men out for the Var-

But with the first year our resources Sophomores we had eighteen men, or half Six of these won their initial and one year. While weakened by sending so yet able to collect a class team which won University of Illinois Sophomores. Not our class mettle demonstrated, when the more members were of the class of 1904 the president of the Association was one of

The following year did not deplete to put forward men who won the class tions of captains of the three leading teams it is remembered that men from our class led the football and basketball teams in both our Junior and Senior years, the strength of 1904 in athletics will be appreciated.

The editor-in-chief of the *Exponent* has for two years been a member of our class, which is most unusual, having never before happened in the history of the paper. The literary societies have developed many of our men to be leaders in all the public activities of the University. The technical societies will lose many of their most ardent supporters with our departure. In the various musical organizations there have always been some of our men in leading positions. The glee and mandolin clubs, the University band and the minstrels have each been largely supported by our men.

But all is not yet told. With nearly every class there is some grievous fault, as internal strife or a general lack of spirit. But from these we have been remarkably free. At no time have individual or sectional interests been



The first real test that is put up on a class is first this phase of the strength of 1904 has sity squad of 1900 were Freshmen, and season. Basketball, baseball and track pionship relay team was that of 1904, quite a favorable showing, notwithstanding sity.

had been but partially developed. As the Varsity squad, at football practice, was selected to be captain the following many men out for the Varsity we were the class championship and defeated the alone as players, but as supporters, was Athletic Association roll showed that than of any other two classes. Naturally our number.

our ranks of athletes, for we were still able football championship and took the posi-—football, basketball and baseball. When





allowed to supersede those of the entire class body, and the results have been no class divisions and constant harmony. We were wise enough to choose the right man for class president and have had no occasion for desiring to change to another.

At all times the class has had the best interests of the University at heart, and we have been able to institute some movements which will remain after we have gone. We were able to successfully arrange and hold a class banquet in our Sophomore year without unseemly disturbance. That this was not a simple thing to do has been sufficiently demonstrated by those who have since tried the feat. The loyal spirit of the class was early aroused when the Club House scheme was started, and we were the first to complete our stipulated gift to that project. When this was dropped 1904 led in its donation to the Memorial Gymnasium fund.

As we come to the time of leaving the University we feel that it is not vain boasting to mention these facts of our own experience, and it is but with regret that we must leave these associations of pleasure and profit which have so swiftly passed. While there has been much of toil and hard experience that we would not like to face again, there have been times of the greatest pleasure and satisfaction. Whatever be the small niche in the world's work that it will become our duty to fill, we will think of Old Purdue as having received the best of our lives that we could give, and returning a hundredfold.

HISTORIAN.

TUNE - DUTCH COMPANY

O! WHEN YOU HEAR THE BEAT OF THE BIG BASS-DRUM, THEN YOU'LL KNOW NAUGHTY-FOUR HAS COME!

- 1904 -

NAUGHTY-FOUR IS THE BEST CLASS IN OLD PURDUE! HUMPTY! DUMPTY! WHOOP-TE-DOO!

126/124



AT THE MECHANICS BURNING



ON THE INSPECTION TOUR

FIVE STUDENTS

BADLY HURT IN TANK FIGHT AT PURDUE LAST NIGHT.

TWO OF THEM MAY DIE

The rivalry between the freshmen and sophomores at Purdue university that has culminated in so many hostile meetings at the water tank last in West Lafayette reached a climax there after 5 o'clock this morning.

The trouble began several nights ago and it was an endeavor on the part of each class to see "which could put its number highest on the stand-pipe." The meeting this morning between about 200 students was particularly horrible and had sanguinary results. Five of the students were injured and two of them were hurt so badly that they could not be moved without an ambulance.

Clubs were used to the effect and it is believed that the engagement will result in the death of two students. When those who took part in the encounter saw the terrible consequences of their folly, they were warmly treated by slams and whips. Hurried calls were made for cartages and physicians. Three of the number injured were able to go to their homes in cartages.

A number of the injured students could not be located. Those who had taken part in the fight and accepted the injury were so excited that they could not give any information. All of their energy was devoted to an effort to make the injured ones and to move those who had been hurt so badly that they could not be taken to an orthopedic hospital from the result of the meeting. It was the most desperate encounter that has taken place at the tank or at the university since the school was organized.

Hudson and Quiss are the names of the students who were so badly hurt, and it is feared that they will die.

ANOTHER TANK BATTLE.

Some of the Students Pretty Badly, but Not Seriously "Bludgeoned."

The Purdue freshmen and sophomores had another lively and "what amounted to the last encounter of the kind" at the tank early this morning. The five reports were that several of the boys had been seriously hurt and that two might die. This was greatly exaggerated by the *Herald Journal*, as all of the boys are about today some a little the worse for the experience, but none in the hospital. The scrimmage was a continuation of the battle on Thursday night, when the sophomore set the "tank" against the freshmen and tied 800 of them and might both classes prepared for a final affair and all evening there were scuffling preliminaries about 200 students group evenly divided between the two lads. Finally met at the West side water works tank. The war was raging over the top of the tank of 2 x 2 m and it was impossible to do any class number painting. The situation then began a scrimmage and rush that kept up the turf. There were clubs used, simply Scotch straight and roughness. In the crowd a number on both sides wore "overalls" and one Curran of the "Gore" was seen some for some time on account of a slouch. Edward Quinn a sophomore was looked badly and James Hudson of Virginia a Red ball player, had a shoulder badly lacerated. It is believed the foot ball trainer was seen on the scene and brought some of the best medical conditions. There was a wild scramble and when the same occurred many some of the boys were hurled or exhausted and bruised nose expressions. Today there are many black eyes, lacerated and painful expressions that the stories that serious lacerations had been inflicted are all in error. Dr. Miner and Dr. Vager looked after the injured and today they were able to go about. Cartages were used to convey some of them to their homes. The rivalry between the two classes of anger just a display of fierce citizenship. President Boardman this morning visited all of the newly bruised boys and found them all in a hospital wing. He expressed his sympathy and says that it can go no further. Dr. Stone is registered over the fact that the reports were so grossly exaggerated and announces that the fact that the reports were so grossly exaggerated is "talk" of the tank fight. It is said, and harmony again prevailed.

KILLED BY THE CAR.

GLASS FIGHT IN PURDUE CHAPEL.

LIVELY SCRIMMAGE BETWEEN FRESHMEN AND SOPHOMORES.

Faculty Takes a Hand—Trouble is Said to Be Due to the Circulation of a Poster.

LAFAYETTE Ind. April 6.—There was a lively scene in the Purdue Chapel yesterday when the freshmen scuffled their rivals and by the sophomore when the other entered there was a strong attack, but the freshmen got a good fight. Members of the faculty group were taken by surprise, and it was some time before they recovered sufficient to make a move. Committee members and the professors were obliged to descend from the platform to separate the contestants. The students have been provoked, eyes lacerated and scratched. Fredrick Stone and the other sophomore really attacked in quelling the disturbance, though they were themselves pulled out his hands in the scrimmage. It is understood that Philip Melvoin, a freshman, has been suspended for thirty days from the meeting of all over the Lafayette opportunity by members of the sophomore class. The matter during the freshman class. These students were charged on the attack of the sophomore class. The faculty is investigating.

Were Hurt.

(Special to the Indianapolis News.)
LAFAYETTE Ind., September 23.—The freshmen class of Purdue University took to the streets to pull the "dog" "in on the streets" of the West Lafayette Water-Works plant, they were caught by the sophomores, and after a spirited battle they were bound hands and feet and were held in a row. When given the ropes binding their feet were cut, with a squabble on either side, the freshmen were carried to the water-works building, where they were held to meet and give a "talk" for the sophomore, after which they were escorted back to the university and interrupted their again to see a sophomore like the sophomore then returned to the building they had gained a victory, but when they awoke in the morning, they discovered the hated "dog" cut on the stand-pipe, while their own numbers had diminished. While the sophomores were leaving the tank with the captured freshmen, other freshmen did not go.

GLASS RUSH AT PURDUE

AFFAIR BETWEEN STUDENTS CULMINATING IN A RUSH.

CLUBS WERE FREELY USED

Freshmen and Sophomores Look Home After Squabbling for Two Weeks Before Class Rivalry.

(Special to the Indianapolis News.)
LAFAYETTE Ind., September 23.—During a class song at 5 o'clock this morning between the freshmen and sophomore of Purdue University, James Hudson, a freshman, of Virginia, and Edward C. Quiss, a sophomore, of San Antonio, Tex., were badly injured. Hudson sustained a skull fracture. Clubs were used by opposing factions and many students were injured. Facing the class numbers on the water tank north of the city in the course of the trouble, which has been greatly growing worse for two weeks.

APRIL 12, 1901.

PURDUE BOYS IN LIVELY MIX-UP

FRESHMEN DUCK SOPHOMORES AT THE TOWN PUMP.

Part of a Plan to Prevent Sophomore Pan-Hellenic Dance, Which Took Place, However.

LAFAYETTE Ind., April 13.—The sophomore fraternity men of Purdue gave a Pan-Hellenic dance in the city last night. The freshmen tried to prevent the affair, but failed in their plan to organize the members of the dance. In doing this they had gained a certain victory, however, by restoring the sophomore on the college side of the river. There were several lacerated students and the town pump. There were several lacerated students with the captured freshmen, other freshmen did not go.

LIVELY TIMES IN THE HISTORY OF '04



A SENIOR'S PIPE DREAM



❁
❁
WEARERS OF THE 04
❁
❁

FOOTBALL

Adams
Anderson
Arnold
Collar
Galbreath
Gregory
Hodges

Huston
Knapp
Leslie
McIntosh
Madaus
Miles
Miller

O'Brien
Osborn
Quinn
Riebel
Rowe
Whitehead

BASEBALL

Berger
Brewster, R. V.
Galbreath
Gregory
Good
Goss
Huston

Kirby, J. G.
Knapp
Leslie
Morrow
Miles
Mitchell
Morgan

Miller
O'Brien
Ritter
Stevens
Williams
Wood

TRACK

Crumrine
Collar
Cook

Goodspeed
Kirby, L. J.
Osborn

Peck
Riebel
Vehslage

BASKETBALL

Arnold

Knapp Peck

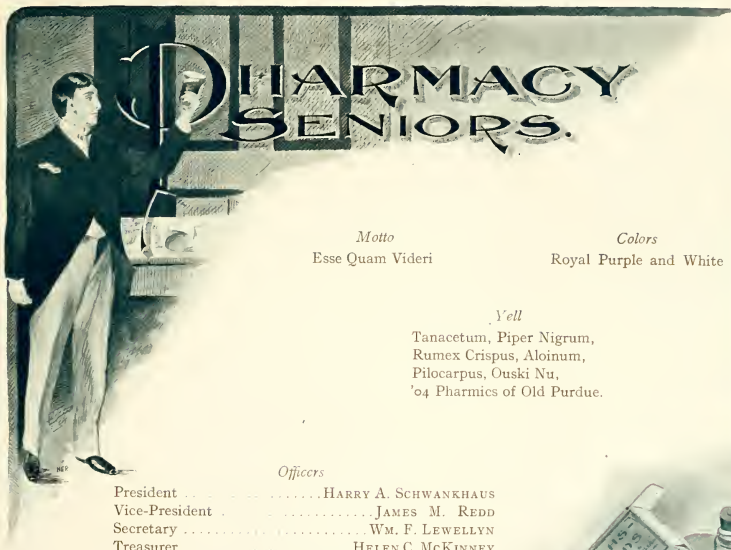
Mueller

TANK PAINTER

Miles







PHARMACY SENIORS.

Motto

Esse Quam Videri

Colors

Royal Purple and White

Yell

Tanacetum, Piper Nigrum,
Rumex Crispus, Aloinum,
Pilocarpus, Ouski Nu,
'04 Pharmics of Old Purdue.

Officers

President HARRY A. SCHWANKHAUS
 Vice-President JAMES M. REDD
 Secretary WM. F. LEWELLYN
 Treasurer HELEN C. MCKINNEY
 Historian GERTRUDE L. MILLER



HISTORY OF THE PHARMACY CLASS OF 1904



PRESIDENT SCHWANKHAUS

THE School of Pharmacy in Purdue University has a wide-spread fame, second to that of none in the United States. The excellent quality of work done here has been a great factor in bringing the vocation of Pharmacy to its present high place among the professions.

So it was with a feeling of pride already established that the '04 class entered the University on September 10, 1902.

The class consisted of forty-one members, three of whom were ladies. The young men seemed very proud of the fact that no former class could boast of so many girls, and this alone was sufficient to prove the superiority of this over any preceding class.

These young men and women soon made it apparent that they possessed the sterling qualities which are held to be essential to Purdue students; and each one soon felt that he had manifested excellent judgment in his choice of a place of learning, not because of any magnificent building in which we were to perform our tasks, but on account of the superior work required by our diligent professors in these rather dingy halls.

A class organization was soon effected and the members exercised great ability in the selection of the officers, who have admirably managed the affairs of the class during the two years of its existence.

Owing to the fact that we complete thoroughly in two years a course equivalent to a three years' course in other schools, we are barred from any active part in athletics, and we consider this a great misfortune. Yet we have been interested in all athletic events.

It was due to interest in athletics that the event occurred which has cast such deep gloom over us in our Senior year. It is fitting that in our class history we pay tribute to our beloved classmate, Wilbur Price, who lost his life in the fatal wreck of October 31, 1903. Price was an energetic student and a loyal member of our class. His death is mourned by each one of us.

As our gift to the University we have fitted up a beautiful reading room, and we leave this to tell to our successors our appreciation and love for Purdue.

The class of '04 is proud of its school record. We have applied ourselves diligently, and have gained a high regard from our professors for honest and thorough work. Throughout our entire existence we have lived up to our motto: "To be and not to seem," and when we go back to our places in the busy world, let it be our motto still, so that each may by his superior worth add to the fame and glory of our alma mater.

HISTORIAN.



JUNIORS

Motto

We Row, Not Drift

Colors

Royal Purple and Maize

Yell

Zolliwicker Zulu,
Boo, Bum Baw!
Naughty-five! Naughty-five!
Rah! Rah! Rah!

Officers

President	W. L. ROBINSON
Vice-President	W. S. HALL
Secretary	ETHEL M. SPALDING
Treasurer	A. B. COHEN
Historian	F. D. RITTER



HISTORY OF THE CLASS OF 1905



PRESIDENT ROBINSON

LOOKING backward and reviewing past events does not always arouse the most pleasant feelings, but even a most casual glance at the class history of '05 during the past three years arouses nothing but a feeling of admiration for the splendid record that the class has made for itself in the past, and will no doubt continue to make in the future.

After a class has passed through the exciting vicissitudes of class fortunes of its Freshman and Sophomore years, when tank scraps and Sophomore banquets are a thing of the past, class events are apt to move more slowly, but this is only a logical result of class evolution. During our first two years in the University we simply existed as Freshmen and then as Sophomores, but now we feel that each one of us is an integral part of the University and that our first duty is to Purdue and not to the class. While this feeling is now uppermost, yet it has not interfered with the harmonious working of class interests and our having a strong class organization.

Looking over the athletic records of the University of the past three years one is impressed by the record that the '05 class has made in this direction, both in class contests and the number of its members on the various Varsity teams. Football, baseball, basketball and track teams all have representatives of '05 in their ranks. The captains of this year's baseball and track teams and of next season's basketball team are '05 men.

During the season of 1903 our class baseball team did not suffer defeat and it can justly claim the interclass baseball championship for that year. What was accomplished in baseball was repeated in the local field meet of 1903, in which '05 not only won the greatest number of points, but in addition its relay team was victorious over the teams of the other classes.

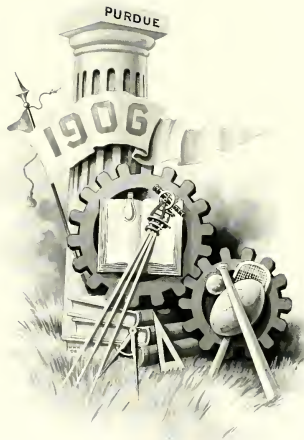
While the class is proud of its record of class victories, it yet takes even more pride in the fact that a goodly number of its members can help win fame for our University by belonging to the various Varsity teams.

Little was done in class football last fall, as the sad accident of October 31 put an end to class contests of that nature. As a result of the accident the class mourns the loss of four of its truest and manliest members—Furr, Grube, Drollinger and Powell.

The interest that the class has taken in the projected memorial Gymnasium is made evident by the amount the class has pledged itself to pay, and while we can scarcely hope to see the completion of the new gymnasium, yet we hope that the class following may see its inauguration and enjoy its use.

In conclusion, we finish the year with a sense of work and duty well done; we are ready to embrace the opportunities that the summer may offer, and then next fall—well, that is a matter of Senior Class history.

HISTORIAN.



Frank J. Bell



Pharmacy JUNIORS.

Colors

Royal Purple and Cream

Motto

Forethought spares afterthought

Yell

Lavendula Afficinalis
Sambucus Canadensis,
Wahoo! Hoop-te-doo!
Junior Pharmics of Old Purdue!

Officers

President	CHARLES H. MILLER
Vice-President	ADDISON R. MAGEE
Treasurer	JOSEPH P. JAY
Secretary	DAISE M. EMSWILLER
Sergeant-at-Arms	RALPH T. RAYMOND
Historian	EDWIN H. BAILEY

HISTORY OF THE PHARMACY CLASS OF 1904



PRESIDENT MILLER

discomfiture. But as a whole the Senior class has our unbounded respect, and we shall recall with pleasant memories their unselfishness, both as individuals and as a class.

It did not take us long to fall in line with the class work, and we soon found ourselves busily digging away, forgetful of all else but our work.

In the sad event of October 31 we were fortunate in not having any injured or killed, although many had narrow escapes. The agent of the Big Four was quite liberal in the settlement of the minor claims for damages.

The class has an executive organization of which we are all justly proud, although it was effected with no little difficulty and at the expense of much valuable time and labor. Fifty different persons have enrolled for Junior work, but only thirty-seven have survived the struggles and hardships incident thereto. A greater part of these escaped unscathed, while a few were not so fortunate and still have a little account to settle with "Julius."

No sharks have as yet made their appearance, while Jonahs are not so scarce. All show more or less ability, and we trust that they may all be able to return next year and pursue the study of their chosen profession under the careful supervision of Uncle Julius and Brother Guthrie, combined with the watchful care of Father Green and Cousin Hoak.

HISTORIAN.

THE old adage that "History repeats itself" may be applied to the history of the Junior Pharmacy Class if we bar the minor incidents and differences of personality which are in themselves insignificant, but which go to make college life enjoyable.

To begin at the first and recount the embarrassments and petty trials we underwent would make a discussion entirely too personal and would recall to memory some things we would rather forget. We will merely mention the fact that we were not over-enthusiastic about some of the "Benzene Rings" and Graphic Formulæ found in "Pap's" Organic, until we began to see visions and to dream dreams of ourselves as "Flunkies," as had been so vividly pictured to us by the Seniors. But we can not pass our early history without mentioning the many kindnesses and general good treatment we received at the hands of the Seniors. They acted more like brothers than upper-class men, and aided us in any difficulty or through any emergency that we met. True, they did make us feel our littleness and the enormity of the tasks before us; besides, they stole our yell and practiced many small jokes to our great



SOPHOMORES

Motto

Success Is Born of Resolution

Colors

Black and Azure

Yell

Boom-a-raka!
 Boom-a-raka!
 Boom! Bah! Bix!
 Ki-yi! Ki-yi!
 Nineteen-six!

Officers

President	ROBERT D. KNEALE
Vice-President	DAVID M. ALLEN
Secretary	MABEL McBROOM
Treasurer	LEO. E. RUSH
Athletic Director	COURTNEY WASHINGTON
Athletic Manager	WILLIAM VERNER
Historian	HARRIET DOBBINS
Sergeant-at-Arms	RICHARD F. HOFFMARK



HISTORY OF THE CLASS OF 1906



PRESIDENT KNEALE

LAST year the story of the life of the Class of 1906 was begun, and in this number of the DEBRIS we record another chapter. In many ways it is much the same; the main plot varies little; the theme is unchanged. We still believe in our creed: "Success is born of resolution."

History repeats itself. When we attended chapel the first time at Purdue, the hearty response to the call for the Freshman yell startled folks; when they got back their breath they called us "game"—the gamest Freshmen ever. This year we have an established place in Fowler Hall and have quietly persuaded the Freshmen that it would be undignified for them to try to sit there. In the first tank scrap we showed what stuff real men are made of; and as Sophomores we performed our duty in initiating this year's Freshmen, in bringing them safely home from the field of the conflict, quickening their reluctant footsteps, cheering their homesick hearts, soothing their broken spirits, and inspiring them to new hopes by the martial music of the Sophomore band.

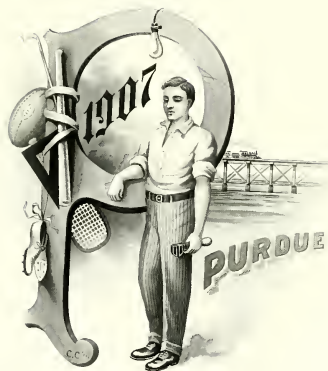
In all sorts of athletics we were well represented last year, and now we have more men wearing the "P" than all other classes in school put together.

Having made a promising impression at our debut in chapel, we have been up for inspection, as it were, ever since. "By their fruits ye shall know them" seems to guide public sentiment, and we are willing to have it so. We would not boast, but we feel that we have a right to be proud of our record. Naught Six has established the precedent that there shall be no under-class "affairs." Last year it was a dirty little bit of work to make our intention clear; but there are times, we believe, when the end justifies the means. Ours was the first and only class to have a Glee Club. However, its ability was such that it seemed best to merge it with the University Glee Club.

And so it would seem that our first year's resolution has carried us on through another step in our successful college career, with much the same pace, and yet it has not been the same—we are not the same. A day brought changes to us that years can not return. Four of those who made history for us last year are not with us now. It has been very hard for us to do without them. While we are weaker from our loss, we are stronger in the love we have for them. We are proud to have had them for our classmates and for our personal friends. Surely we are better for their remembrance that will be always with us.

And now that we are just half through our college life we take on new responsibilities for the rest. Not only for our own sakes, but for those who began with us and who would have had it so, had they not gone away. It is sure to make the Class of 1906 typical of the very best of Old Purdue.

HISTORIAN.





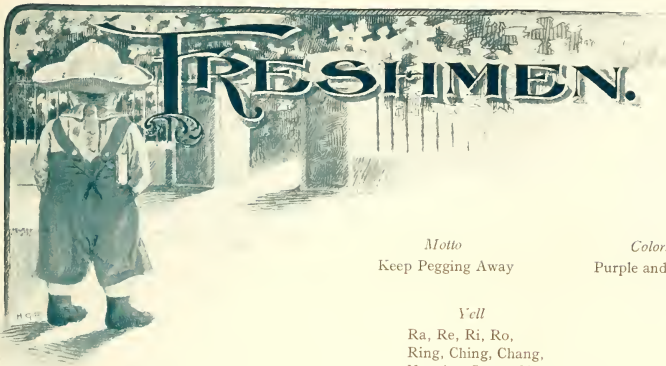


**THE
SOPHOMORE'S
REVERIE**

NOTTING 08



AN INCIDENT IN BOTH FRESHMAN AND SOPHOMORE HISTORY



FRESHMEN.

Motto
Keep Pegging Away

Colors
Purple and White

Yell
Ra, Re, Ri, Ro,
Ring, Ching, Chang,
Naughty Seven, Naughty Seven,
Zis, Boom, Bang.

Officers

- | | |
|------------------------|------------------|
| President | T. F. CARTER |
| Vice-President | J. D. WILSON |
| Secretary | JESSIE B. WESTON |
| Treasurer | E. P. DUDLEY |
| Sergeant-at-Arms | S. E. HOWE |
| Historian | CLARA R. GOSMA |



HISTORY OF THE CLASS OF 1907



PRESIDENT CARTER

NINETEEN Hundred and Seven. That seems some far-off day in the dim distance; yet when we stop to think that a year of that time has passed since we first made our appearance at Purdue, we may say it will not be so long after all. Great hopes and expectations are to be fulfilled when that time is reached.

In the first place our class is exceedingly large, numbering about four hundred and twenty-eight. We entered college large, not only in number, but large also in ambitions and with much energy to carry them out. We very easily made known this spirit of determination in our defense of "naughty-seven" on the tank, and that we were not the victors was not on account of the fact that we were not, every one of us, loyal and brave. It took several encounters for the "Sophs" to subdue us, and although our numerals were not on the tank on *that* final morning, we somehow feel that we rightly deserved the victory after so valiant a fight. A very unique and interesting feature of the last fight was the placing of two of our men inside the top of the tank as guards of our numeral. This plan had never been used before and was originated by our class. These two men were finally compelled to leave their posts, but not until they had put up a very plucky fight.

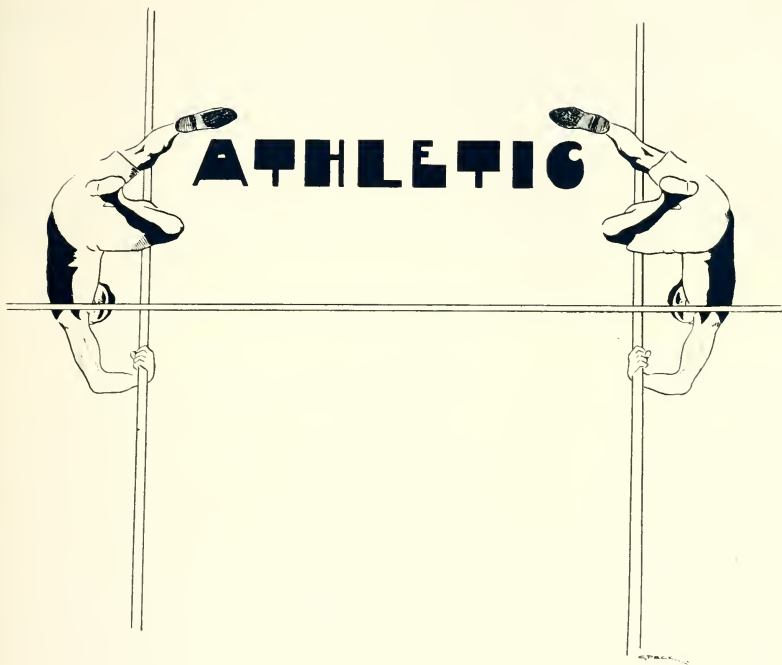
In the sad calamity that befell this University on the 31st of last October our class was very unfortunate. Five of our members lost their lives, while many more were severely injured. We miss and mourn these members and our truest sympathy has been extended to those who knew them best. Although we had been with them but a short time we feel, nevertheless, that we have been made better by having known them.

Athletics has at all times been of great interest to our class, and we have taken active part in all lines of it. While in the dual track meet of our class team with a like team from Indiana we suffered defeat, we are not completely discouraged, as we have some baseball candidates who show much ability, and we feel certain that we have among our number athletes who will do honor and justice to a class which is ever proud of its members.

Almost immediately after the movement was started to make possible the building of a memorial gymnasium our class came forth with a resolution to do its part, and has pledged a sum larger than that of any other class in the University. We are very much in favor of the plan and are doing all in our power to make it a success.

Besides all this, our class has in its college work made a good standing, and in the future the class of nineteen hundred and seven can be depended upon to do much for the name and honor of Purdue University.

HISTORIAN.





CUTTS



STUDENT MANAGERS



WHEELER

 	<h2>PURDUE ATHLETICS</h2>	 
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PURDUE Varsity teams are recognized in football, baseball, basketball and track athletics. Tennis and gymnastics are other forms of athletics which are practiced.

The Athletic Association consists of those students and faculty members who have contributed five dollars or more to athletics. This Association controls in a general way the athletic policy of the institution. From among the members, officers and a board of directors are chosen, who have immediate charge of the details of athletic management. Partly in the employ of this board, and partly in the employ of the University, is the Athletic Director, who has charge of the teams and schedules, reporting to the board. Assisting him are student managers for each of the teams.

Purdue is a member of the Intercollegiate Conference Athletic Association, popularly known as the "Big Nine," and of the Indiana Intercollegiate Athletic Association.

The Athletic Director is Oliver F. Cutts, of Harvard, who is also football coach. The student managers are: Football, I. S. Osborn; Baseball, Harry G. Leslie; Basketball, Joseph B. Knapp; Track, David A. Herron.

The track and field athletics are in the hands of Edward L. Wheeler as coach. For the year 1903 they were in the hands of Chas. I. Freeman.

The baseball team of 1903 was coached by Professor J. C. Kelsey. Wm. H. Fox, of the Indianapolis League Team, had charge of the 1904 team for some time as coach.

PURDUE ATHLETIC ASSOCIATION



BOARD OF DIRECTORS



OFFICERS

President	W. G. KAYLOR	Treasurer	C. R. JAMISON
Vice-President	S. E. HOWE	Secretary	A. L. RALSTON

BOARD OF DIRECTORS

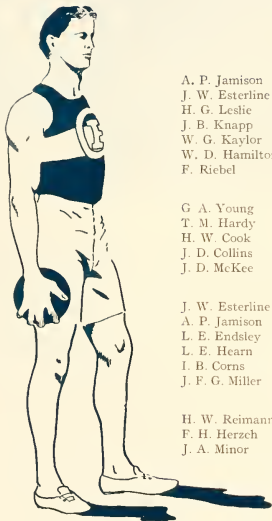
President	W. G. KAYLOR	1906	C. C. WASHINGTON
Vice-President	S. E. HOWE	1907	C. T. DABNEY
1904	C. L. PECK	Faculty	A. P. JAMISON
1905	V. M. NUSSBAUM	At Large	W. J. JONES, JR
Alumni		Dr. BITTING	

INSIGNIA BOARD

PROF. GOLDEN	D. H. LONG
MISS NELSON	E. W. KRULL
F. H. HIRSCH	

WEARERS OF THE

P



A. P. Jamison
J. W. Esterline
H. G. Leslie
J. B. Knapp
W. G. Kaylor
W. D. Hamilton
F. Riebel

G. A. Young
T. M. Hardy
H. W. Cook
J. D. Collins
J. D. McKee

J. W. Esterline
A. P. Jamison
L. E. Endsley
L. E. Hearn
I. B. Corns
J. F. G. Miller

H. W. Reimann
F. H. Herzch
J. A. Minor

FOOTBALL

C. E. Furr
I. H. Long
D. M. Allen
H. D. Thomas
F. H. Miller
W. G. McManus
S. V. Miller

BASEBALL

L. M. Kelsey
R. C. Palmer
J. H. Gaetje
C. W. Zimmerman
J. J. Ritter

TRACK

B. C. Constable
W. F. Vernier
W. E. Miller
C. L. Peck
E. H. Vehslage
G. Miller

BASKETBALL

O. N. Mueller
C. L. Peck
A. G. Caldwell

T. H. Johnston
I. S. Osborn
J. H. Mowrey
C. W. Zimmerman
A. L. Holter
W. F. Collar
R. J. Powell

P. G. Jones
H. H. Ide
H. G. Leslie
C. Witt
A. B. Cohen

F. Huffman
A. L. Levy
I. S. Osborn
E. C. Glover
M. C. Goodspeed
R. J. Powell

E. R. Holdson
E. C. Glover
J. B. Knapp



Foot Ball





THE 1903 FOOTBALL SQUAD



Team and Record



TEAM

Coach OLIVER F. CUTTS, Harvard
 Trainer PATRICK McCLAIRE
 Manager HARRY G. LESLIE, '04
 Captain IRWIN S. OSBORNE, '04

VARSITY

Center W. D. HAMILTON, '06
 Right Guard F. RIEBEL, '04
 Left Guard C. E. FURR, '05
 Right Tackle D. M. ALLEN, '06
 Left Tackle W. McMANUS, '04
 I. LONG, '06
 Right End S. V. MILLER, '05
 Left End R. J. POWELL, '05
 Right Half-back I. S. OSBORNE, '04, Capt.
 C. W. ZIMMERMAN, '06
 Left Half-back J. H. NOWRY, '06

Full-back A. D. HOLTER, '05
 H. L. THOMAS, '07
 Quarter-back I. S. OSBORNE, '04
 T. H. JOHNSON, '06

SUBSTITUTES

H. C. ADAMS, '06
 D. LONG, '07
 E. S. MILLS, '05
 W. F. COLLAR, '04
 O. A. McCORMICK, '07
 C. S. MYERS, '07
 W. C. SPRAU, '06
 C. H. GRUBE, '05
 F. H. MILLER, '04
 H. O. WRIGHT, '07

RECORD

Englewood High School ..	o	Purdue	34
Wabash	o	Purdue	18
Beloit	o	Purdue	17
Chicago	22	Purdue	o
Illinois	24	Purdue	o
Oberlin	2	Purdue	18
Opponents	48	Purdue	87



OSBORN, Captain 1903



ALLEN, Captain 1904



THE FOOTBALL SEASON OF 1903

IT IS difficult to say what would have been the outcome if Purdue and Indiana had met on the football field this year, and all argument on the question is fruitless. The average Purdue man discriminates between a good season and a bad one according as we win from Indiana or are beaten by them, and all other contests are subordinate to this one. As a matter of fact we of course like to send Notre Dame away with the little end of the score whenever possible, but the feeling between us and our friends from South Bend is not the same as exists between us and the fellows from Monroe County.

Jordan Field was the scene of our last defeat (so-called) at the hands of Indiana, in 1901, and the way in which it came about engendered the feeling in every Purdue man that Indiana must be defeated, defeated decisively, and not once only, but always henceforth. Acting on this determination Captain Leslie and the 1902 team set the pace for succeeding teams in the famous 39 to 0 game of that year.

Whether we would have repeated that lesson in 1903 we can not say, but we know that when that ill-fated train left for Indianapolis on that morning of October 31, there were in that front coach as superbly trained a group of men as ever donned the Old Gold and Black. For three of them—Leslie, Knapp and Osborn—it was to have been their last chance at Indiana, and we know what kind of football they would have played.

Earlier in the season the team had cut down Chicago's score of the previous year, and although we lost the Illinois game it was rather the result of a sudden change in the line-up than of any inherent lack of football ability. Of the other four games played all were won, with a total score of 87 to 2.

As a consequence of the disaster, the remaining games which were to have been played were indefinitely postponed.

The blow dealt to athletics and to football in particular in that accident was a severe one, and the outlook for 1904 is not cheering, but both Captain Allen and Coach Cutts have the unbounded confidence of all; and if a winning team is possible in the face of our deplorable losses, there are none better qualified to bring it forth.



McMANUS



RIEBEL



POWELL
(Deceased)



FURR
(Deceased)



LESLIE

FIVE STARS OF THE TEAM OF 1903



SIGNAL PRACTICE



WEARERS OF THE P. R.

H. C. ADAMS, '06
 T. A. BAILEY, '07
 ELLIS
 C. G. GRUBE, '05
 W. W. TAGGART, '06
 D. LONG, '07
 O. A. MCCORMICK, '07

H. O. WRIGHT, '07
 J. G. DUNCAN, '05
 H. FRUSHOUR, '07
 F. M. HAWTHORNE, '06
 C. KASSELBAUM, '07
 W. E. MILLS

C. S. MYERS, '07
 D. B. O'BRIEN, '04
 W. C. SPRAU, '06
 J. R. WHITEHEAD, '04
 L. E. RUSH, '06
 C. A. WILMORE, '06

Honorary.

J. C. COATES, '06
 J. HAMILTON, '06

G. DROLLINGER, '05
 S. P. SQUIBBS, '07

S. C. TRUITT, '07



KNAPP



04'S CONTRIBUTION

BASEBALL.





THE BASEBALL TEAM OF 1903

THE 1903 BASEBALL TEAM AND RECORD



COOK

TEAM

Catchers	COOK, '05, and WITT, '06
Pitchers	IDE, '03, JONES, '04, and PENICK, '06
First base	LESLIE, '04 (Captain)
Second base	McKEE, '03
Third base	KELSEY, '05
Short stop	COHEN, '05
Left field	ZIMMERMAN, '06
Center field	GAETJE, '05
Right field	ITTER, '04, and PALMER '05



RECORD

State Normal	2	Purdue	13
I. M. T. H. S.	1	Purdue	13
Oakwood High School	14	Purdue	10
Illinois	10	Purdue	2
Indiana	5	Purdue	1
Nebraska	11	Purdue	10
Chicago	25	Purdue	14
Notre Dame	8	Purdue	1
Northwestern	17	Purdue	4
De Pauw	3	Purdue	4
Notre Dame	2	Purdue	1
Opponents	98	Purdue	73



COOK, Captain 1904



LESLIE, Captain 1903

THE BASEBALL SEASON OF 1903



COHEN

THERE have been various reasons assigned for the inability of the baseball team of 1903 to win games, and the list includes everything from a good old-fashioned, all-around "knock" on the team, coach and captain, to the superstitious belief that by winning the first game by a score of *thirteen*, Purdue thereby ruined her chances of a successful season. The team failed to perform as it has been customary to see the wearers of the Old Gold and Black, and the reasons were many. The defects in last year's handling of the team have this year been entirely eliminated, we hope, and it is hardly worth while to go into any extended rehearsal of what was wrong.

It was unfortunate in more ways than one that our team was below the average, for it is safe to say that with a winning team the bleachers must necessarily have been extended to accommodate the crowds on Stuart Field. Even as it was the attendance was uniformly large throughout the season.

The team lost all but three games, although it must be said none of the games were lost without a struggle, and whatever other faults it might have had, the team had the true Purdue spirit and did not go down without a struggle.

Ide was the one veteran on the pitching staff and the big fellow was called on to do the heavy work during the entire season. "Little Eva" did all in his power to stem the tide of defeat, but there were too many holes behind him and not enough in the bats of his opponents. We liked to see "Shanty" McKee come to bat, and always sat a little easier in our seats when a hot grounder went his way than when it went elsewhere. These two veterans of the famous '02 team played good consistent ball and many of the defeats would have been worse but for their presence.

Our own Captain Leslie, while not playing up to his previous form in the estimation of many, was nevertheless the fellow we liked to cheer for best, and his efforts were always for the team's good rather than for his individual glory.

Base running and batting were the team's weak points, as is always the case in college teams, and these weaknesses, coupled with a general lack of team work, were the primary causes of our many defeats. The bitterest defeat was probably that administered by the Indiana semi-professional aggregation, among whom were Beach and Gilchrist, who subsequently left Bloomington for better positions.

The Irish came down early in June and put a finishing touch to the series of disasters in a really good game, which we did not mind losing to them if we could not win.

Taken all in all the season was a disappointment, and one like it won't occur again in years, for it is contrary to all that is proper for Purdue to be the under dog. This year, under an efficient and professional coach and led by an enthusiastic and painstaking captain, we look to see Purdue regain her prestige in college baseball. There is plenty of material, the means for transforming it into a ball team are well provided, and the chances for a winning team are good to look upon.





INTER-FRATERNITY BASEBALL LEAGUE

SEASON 1903

RESULT

<i>Team</i>	<i>Games Played</i>	<i>Won</i>	<i>Lost</i>	<i>Percentage</i>
PHI DELTA THETA.....	6	6	0	1.000
PHI GAMMA DELTA.....	5	4	1	.800
KAPPA SIGMA.....	5	3	2	.600
PHI KAPPA PSI.....	6	3	3	.500
SIGMA ALPHA EPSILON.....	5	2	3	.400
SIGMA CHI.....	5	1	4	.200
SIGMA NU.....	6	0	6	.000

Championship banner awarded winning team



TRACK

AND

FIELD



THE TRACK SQUAD OF 1903



THE 1903 TRACK AND TEAM RECORD



TEAM

L. E. Hearn, '05, Captain
C. I. Freeman, Coach

Dashes

Curran
Miller, G.

Huffman
Osborn

Runs

Hearn
Russell, W. L.

Miller, W. E.
Verner

Jumps

Corns, I. B.
Osborn

Goodspeed
Vehslage

Pole Vault

Peck

Glover

H'eights

Corns, I. B.
Miller, J. F. G.
Sprau

Powell
Vehslage

Hurdles

Constable
Curran
Peck

Osborne
Powell

RECORD

Dual Meets

Northwestern, 45 Purdue, 67 Oberlin, 56 Purdue, 56

State Championship Meet, First Place
Chicago Conference Meet, Fourth Place



VERNER

PURDUE vs. NORTHWESTERN

EVANSTON, MAY 16, 1903

<i>Event</i>	<i>First</i>	<i>Second</i>	<i>Record</i>
100-yard dash	DAVIS, N	G. MILLER, P.	10 2-5 sec.
220-yard run	G. MILLER, P.	JOHNSON, N.	24 1-5 sec.
440-yard run	STAHL, N	G. MILLER, P.	53 2-5 sec.
880-yard run	HEARN, P.	VERNER, P.	2:05.
1-mile run	VERNER, P.	JOHNSON, N.	4:44 1 5.
2-mile run	MILLER, P.	SPENCER, N.	11:04.
120-yard high hurdles	PECK, P	ROGERS, N.	17 2-5 sec.
220-yard low hurdles	CONSTABLE, P.	ROGERS, N.	27 2-5 sec.
Running broad jump	DAVIS, N	VEHSLAGE, P.	22 ft. 5 in.
Running high jump	VEHSLAGE, P.	BAIRD—SMITH, N.	5 ft. 6 in.
Pole vault	GLOVER, P.	PECK, P.	10 ft. 4 in.
16-lb. shot put	BAIRD, N	MILLER (J. F. G.), P.	38 ft. 3½ in.
16-lb. hammer throw	BAIRD, N	MILLER (J. F. G.), P.	126 ft. 1 in.
Discus	BAIRD, N	MILLER (J. F. G.), P.	113 ft. 9 in.

Final Score

PURDUE 67 NORTHWESTERN 45



HUFFMAN

PURDUE vs. OBERLIN

AT OBERLIN, MAY 23, 1903

<i>Event</i>	<i>First</i>	<i>Second</i>	<i>Record.</i>
100-yard dash	DILLON, O	G. MILLER, P.	10 sec.
220-yard run	DILLON, O	PATTERSON, O	23 1-5 sec.
440-yard run	DILLON, O	G. MILLER, P.	52 4-5 sec.
880-yard run	VERNER, P.	HEARN, P.	2:04 2-5
1-mile run	HEARN, P.	VERNER, P.	4:43 1-5
2-mile run	BERRYMAN, O	VINCENT, O.	10:41
120-yard high hurdles	VAN CLEEF, O.	BELLOWS, O.	16 2-5 sec.
220-yard low hurdles	CONSTABLE, P.	BELLOWS, O.	27 2-5 sec.
Running broad jump	CORNS, P	BACON, O.	20 feet 9½ in.
Running high jump	BELLOWS, O.	VEHSLAGE, P.	5 feet 9 2-5 in.
Pole vault	HAMMOND, O.	GLOVER, P.	10 feet 2 in.
16-lb. shot put	MILLER (J. F. G.), P.	HILLIS, O.	40 feet ¼ in.
16-lb. hammer throw	MILLER (J. F. G.), P.	HILLIS, O.	129 feet.
Discus throw	MILLER (J. F. G.) P.	VEHSLAGE, P.	105 feet 9 in.

Final Score

PURDUE 56 OBERLIN 56



GLOVER

INTERCOLLEGIATE CONFERENCE MEET

MARSHALL FIELD, CHICAGO, MAY 30, 1903

<i>Event</i>	<i>First</i>	<i>Second</i>	<i>Third</i>	<i>Record</i>
100-yard dash	BLAIR, C.	FALM, M.	STEWART, M.	9 4-5 sec.
220-yard run	HALM, M.	BLAIR, C.	DILLON, O.	21 3-5 sec.
440-yard run	TAYLOR, C.	REBSTOCK, M.	POAGE, W.	52 3-5 sec.
880-yard run	HALL, M.	CAHILL, C.	VERNER, P.	2:02 3-5
1-mile run	HEARN, P.	MATTHEWS, C.	CONGER, M.	4:32 2-5
2-mile run	KELLY, M.	STONE, M.	HALL, C.	10:02 2-5
120-yard high hurdles	CATLIN, C.	SARADAKIS, W.	KELLY, C.	15 1-5 sec.
220-yard low hurdles	CATLIN, C.	POAGE, W.	STEWART, M.	25 1-5 sec.
Running broad jump	DAVIS, N.	FRIEND, C.	KNOX, B.	21 ft. 10 4-5 in.
Running high jump	BREWER, M.	MILLER, M.	McRAE, B.	5 ft. 11 in.
Pole vault	DVORAK, M.	MAGEE, C.	KNOX, B.	11 ft. 9 in.
16-lb. shot put	ROTHGEB, I.	MADDOCK, M.	KNOX, B.	40 ft. 3 3/4 in.
16-lb. hammer throw	MADDOCK, M.	LONG, W.	HAYS, M.	129 ft. 2 in.
Discus throw	SWIFT, J.	SPEIK, C.	MADDOCK, M.	117 ft. 7 1/2 in.
1-mile relay	CHICAGO.	MINNESOTA.	ILLINOIS.	

Final Score

Michigan, M.49	Wisconsin, W.10	Illinois, I.5	Missouri, Mo.1	Indiana, I.0
Chicago, C.40	Purdue, P.6	Beloit, B.4	Oberlin, O.0	Minnesota, M.0

STATE CHAMPIONSHIP MEET

JORDAN FIELD, BLOOMINGTON, ILL.
JUNE 9, 1903

<i>Event</i>	<i>First</i>	<i>Second</i>	<i>Third</i>	<i>Record</i>
100-yard dash	MARTIN, I.	CAREY, N. D.	DAVIS, N. D.	10 1-5 sec.
220-yard run	DAVIS, N. D.	HUFFMAN, P.	CURRAN, P.	23 1-5 sec.
440-yard run	DAVIS, N. D.	GRAVES, E.	DALY, N. D.	52 2-5 sec.
880-yard run	VERNER, P.	COPPACK, E.	WALLACE, I.	2:04
1-mile run	HEARN, P.			4:20 1-5
2-mile run	REED, W.	HAYDEN, I.	PECK, P.	10:16
120-yard high hurdles	PECK, P.	HEITGER, I.	DRAPER, N. D.	16 3-5 sec.
220-yard low hurdles	CONSTABLE, P.	POWELL, P.	DRAPER, N. D.	27 1-5 sec.
Running broad jump	PIERCE, W.	SPARKS, W.	CORNS, P.	21 feet
Running high jump	GOODSPEED, P.	VEHSLAGE, P.	CORNS, P.	5 ft. 8 1/2 in.
Pole vault	GLOVER, P.	SAMSE, I.	FIELDS, I.	10 ft. 4 in.
16-lb. shot put	DRAPER, N. D.	J. F. G. MILLER, P.	BANKS, I.	41 ft. 7 in.
16-lb. hammer throw	J. F. G. MILLER, P.	BANKS, I.	McLAUGHLIN, N. D.	127 ft. 4 in.
Discus throw	DRAPER, N. D.	POWELL, P.	McLAUGHLIN, N. D.	114 ft. 7 in.

Final Score

Purdue, P.50	Indiana, I.17	Earlham, E.6
Notre Dame, N. D.29	Wabash, W.13	De Pauw, D. P.0



PECK



POWELL



VEHSLAGE



HEARN, Captain 1903 and 1904



AT THE beginning of the season our prospects for a winning team were somewhat dimmed by the withdrawal from the University of Captain Russel, and with grave misgivings we looked forward to the time when our men must meet Indiana and Notre Dame in the State meet to defend our title of State champions.

Hearn was elected by his team mates to lead them in their campaign, his qualifications as a track man making him a better man for the place than "Long John" Miller, who was also a candidate, but whose being a field event man only worked against him.

Coach Freeman quietly gathered his band together early in May, and they hied themselves to the classic village of Evanston, where they performed so well that no new banners were hung in the Northwestern trophy room. The score was 67 to 45, with Northwestern on the short end, a fact which greatly pleased the faithful and annoyed our friends at Bloomington not a little.

Five days were spent in perfecting the winning system of operation, when once again the jumpers, hurdlers, runners, pole-vaulters and strong men went forth to conquer. Co-education at Oberlin may have had something to do with the result, but from one cause and another the Ohio College was enabled to shake hands with itself on the evening of May 23d, when the score was counted up and found to be 56 to 56.

If John Miller had but known that the "milk train" leaves at 6:00 a. m.; if G. Miller had not been ill, and if the day had not been so cold, Purdue would have landed in third place instead of fourth at the conference meet on June 30th. As it was, Captain Hearn ran a mile and then sat down and waited for the "also rans" to show up in the distance, thereby annexing five points for his team. Later Verner ran a strong third in the half mile, adding another point to our score. All this was preliminary, however, to the State meet held at Bloomington on June 6th, where we again demonstrated the proper way to win the State championship.

To the casual observer the final score, Purdue University 59, Indiana University 17, looks like a walk-away, but such was not the case, for every event was a struggle, and it was simply a case of Purdue strug-

gling best. We must admit that we were a trifle selfish in the high jump, which scored thus: Goodspeed, Vehslage, Corns; from which little tale it would seem that there is only one place in Indiana to learn the art of jumping. Light-body, a pugilistic gentleman from DePauw, essayed to run in the mile race, and although he won the "bout" Verner and Hearn were first and second to reach the tape.

Two victories, one tie, and a State championship were won in 1903, and this, together with Hearn's work at the conference, and Verner's record of 4:29 1-5 in the mile event, are the notable features of the most satisfactory track season Purdue has ever had.



THE 1903 TRACK AND FIELD RECORDS

<i>Event</i>	<i>Purdue Records</i>	<i>Ind. Intercollegiate Records</i>	<i>American Collegiate Records</i>
100-yard run	{ H. C. BUSCHMAN—1897, 10 sec.	H. C. BUSCHMAN, Purdue, 10 sec.	A. F. DUFFEY, Georgetown, 9 3-5 sec.
	{ V. S. RICE—1902	V. S. RICE, Purdue, 10 sec.	
222-yard run	V. S. RICE—1902, 22 sec.	V. S. RICE, Purdue, 22 sec.	B. J. WEFERS, Georgetown, 21 1-5 sec.
440-yard run	V. K. CASSADY—1898, 52 2-5 sec.	P. D. CORCORAN, Notre Dame, 51 2-5 8	W. BAKER, Harvard, 47 3-4 sec.
888-yard run	L. E. HEARN—1902, 2 0 3	W. UFFENDEL, Notre Dame, 2:02	C. J. KILPATRICK, Union, 1 m. 53 2-5 s.
1-mile run	W. F. VERNER—1903, 4:29	W. F. VERNER, Purdue, 4:29	G. W. ORTON, Pennsylvania, 4:23 2-5
120-yard high hurdle	L. E. ENDSLEY—1901, 16 1-5 sec.	M. B. HURBERT, Notre Dame, 16 sec.	A. C. KRANZLEIN, Penna., 15 2-5 sec.
220-yard low hurdle	W. E. RUSSELL—1902, 25 sec.	W. E. RUSSELL, Purdue, 25 sec.	A. C. KRANZLEIN, Penna. 23 3-5 sec.
Discus throw	J. F. G. MILLER—1901, 108 ft. 7 in.	W. A. DRAPER, Notre Dame 114 ft. 7 in.	SWIFT, IOWA, 118 ft.
16-lb. hammer throw	J. F. G. MILLER—1902, 120 ft. 2 in.	E. Y. SHOCKLEY, Indiana, 125 ft. 6 in.	J. R. DE WITT, Princeton, 165 ft. 9 in.
16-lb. shot	J. F. G. MILLER—1903, 40 ft. 1-2 in.	W. A. DRAPER, Notre Dame 41 ft. 7 in.	F. BECK, Yale, 46 ft.
Pole vault	L. E. ENDSLEY—1902, 11 ft. 1 in.	L. E. ENDSLEY, Purdue, 11 ft. 1 in.	H. L. GARDENER, Syracuse, 11 ft. 7 in.
High jump	L. E. ENDSLEY—1902, 5 ft. 10 in.	J. D. ADAMS, State Normal, 5 ft. 8 3-4 in.	W. B. PAGE, Penn., 6 ft. 4 in.
Broad jump	W. E. RUSSELL—1902, 22 ft. 3 in.	I. B. CORNS, Purdue, 22 ft. 1 3-4 in.	A. C. KRANZLEIN, Penn., 24 ft. 4 1-2 in.



BASKET



BALL



THE BASKETBALL TEAM OF 1904

THE 1904 BASKETBALL TEAM AND RECORD

TEAM

Left forward	F. HERSZCH
Right forward	C. L. PECK
Center	O. A. MUELLER
Right guard	A. CALDWELL
Left guard	J. MINER

Substitutes

E. GLOVER	E. R. HOLDSON
E. H. VEHSLAGE	J. W. KRULL

RECORD

Manual Training H. S.	13	Purdue	26
Rose Polytechnic	18	Purdue	19
North Division H. S.	25	Purdue	21
Minnesota	32	Purdue	22
DePauw	12	Purdue	27
Wabash	18	Purdue	23
DePauw	25	Purdue	35
Indiana	18	Purdue	31
Alumni	39	Purdue	40
Wabash	25	Purdue	40
Rose Polytechnic	27	Purdue	35
Armour	23	Purdue	25
Indiana	21	Purdue	22
Opponents		Purdue	366
	301		





HERSZCH, Captain 1905



PECK, Captain 1904



THE BASKETBALL SEASON OF 1903-'04



FOURTH year of basketball history has been written in Indiana and four times Purdue has held up a record absolutely clean—the State championship without a question. Never has the home crowd seen Purdue defeated in the old gymnasium, and with the exception of Minnesota and North Division High School losses, the team has upheld the phenomenal record of last year.

Beginning the season with but two varsity warriors we have not only developed a winning five, but a squad of not less than ten scrubs have been rounded into exceptional form.

While the football team was yet on its schedule outdoor practice was begun, and carrying the squad through a series of games well into March brought out the speediest and most evenly balanced five in our history. The fast footwork and peculiar manner of leaping with the ball for a goal gives Purdue the distinction of a style of her own. Ex-Captain Reiman invented it, and Captain Peck, Herszch and Glover have closely copied it.

The season opened by defeating the Manual Training High School of Indianapolis by a score of 26 to 13. This was the largest margin gained by the team during the year, and was followed by a shaky score of 19 to 18 with Rose Polytechnic. North Division High School proved a winner, as did the strong five from Minnesota. Purdue's team seemed lost on the large floor of the Coliseum, but redeemed themselves by winning from Wabash College, their anticipated opponent for the season. The succeeding list of victories, in which the first substitutes, Glover and Holdson, proved themselves of varsity material, demonstrated the fact that athletics were again on the rise at Purdue. Captain Peck controlled the perfect confidence of his team. Herszch, Caldwell, Miner and Mueller were imbued with the fighting spirit we love to see, and deserve honorable mention.

The season closed with a severe test of the team's qualities by disabling three varsity men; but when even he staunch rooters shook heads over the chances of the last game with Indiana University, the home quintette covered themselves with glory by putting up the greatest fight of the year. It is a notable fact that in most of the games our opponents were in the lead at the close of the first half, and it was the grit, gameness and endurance which is the goal of all athletics that led them to victory. It earned for them the oft-quoted expression of Mr. Cutts, "They are the best fighting team Purdue ever had."





PURDUE TENNIS ASSOCIATION



THE importance of tennis in the list of sports at Purdue is gradually increasing, and instead of being a dead issue, it is rapidly coming to the front as one of the most popular forms of recreation. The game has not been encouraged by the Athletic Association, nor by the University authorities to any great extent, but in spite of the absence of such backing it has assumed, this year, a very creditable footing in the athletic side of the University life.

In 1902 Purdue was represented at the State Intercollegiate Tournament by two men, who were there more as result of their love of the game than as representatives of their college. They won third in the singles and last place in the doubles.

Last year, largely through the efforts of Harry Black, '03, the State Tournament was held here, and Purdue won first place in the singles and second in the doubles. Black won the singles and Black and Todd the doubles. Of the work done by Black, it is safe to say he was easily the star of the gathering, his passing and smashing being perhaps the best ever seen at Purdue. His service was consistently good throughout the tournament, and when he and Todd won seven straight games and the set from Hanover, after losing the first five games in the doubles, it only demonstrated that the Purdue spirit is dominant in tennis as well as in the other sports.

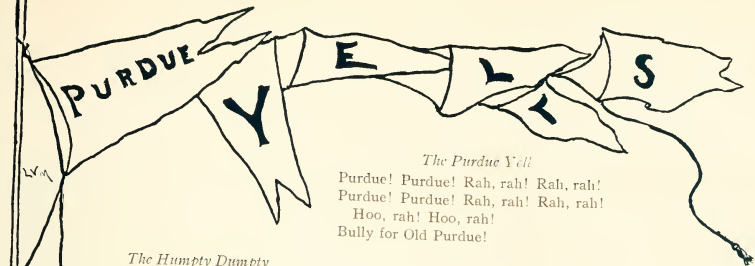
The Tennis Association this year is strongly organized, and has finally succeeded in having three courts placed on the campus, where the members may always be sure of having an opportunity for practice.

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 Vice-President and Manager . . C. S. RAUH, '04
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 Treasurer J. G. KIRBY, '04

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Miss B. Latta	H. Keneipp	R. J. Chapman		



The Purdue Yell

Purdue! Purdue! Rah, rah! Rah, rah!
Purdue! Purdue! Rah, rah! Rah, rah!
Hoo, rah! Hoo, rah!
Bully for Old Purdue!

The Humpty Dumpty

Humpty Dumpty, Whoop te doo!
What's the matter with Old Purdue?
Rickety, rickety, rickety, right!
Old Purdue is out of sight!

Sa-ay!
What?
That's what!
What's what?
That's what we all say!
What do we all say?
Purdue! !

S-s-s-s !
Boom!!
Yahoo—!
Purdue ! !

The Bulldog

Rah! Rah! Rah!
Rah! Rah! Rah!
Rah! Rah! Rah!
Ow! Ow! Ow!
Purdue!

Kickoff Yell

Rattle to that, to that, to that!
Stir it to licks, to licks, to licks!
Kick-a-bah-bah! Kick-a-bah-bah!
Purdue University! Rah! Rah! Rah!

Touchdown Yell

Rah! Rah! This way
Football we play,
Purdue! Purdue! Rah, rah, rah!
Right through we break,
Touchdown we make
We take the cake,
Rah, rah, rah!





THE COMMISSIONED OFFICERS



PURDUE UNIVERSITY CADET CORPS



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 Cadet Captain L. D. WALDRON, '04, Quartermaster
 Cadet Captain H. G. RASCHBACHER, '04, Commissary
 Cadet Captain C. C. STAUFFER, '04, Ordnance

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Cadet Captains in Order of Rank

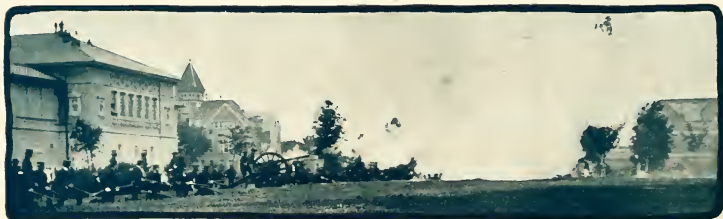
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H. G. RASCHBACHER, '04	A. T. EDMONSON, '04	H. A. HUTCHINS, '04
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W. M. KIER, '05	W. C. HAMMERSTADT, '05	C. C. STAUFFER, '04

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M. C. GOODSPEED, '04	H. M. NICHOLS, '06
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C. T. WILEY, '05	G. E. CROFOOT, '05
H. S. BENEDICT, '05	W. H. STILWELL, '06
H. G. WARREN, '05	P. H. GODA, '04

Cadet Second Lieutenants in Order of Rank

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RAY FLAGG, '05	C. S. SALE, '06
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E. H. DEXTER, '05	H. P. BARNARD, '06
C. J. SCHMITT, '05	C. E. DRAPER, '06
A. W. ATWATER, '06	L. C. DEWEY, '06
J. L. BROWN, '04	V. D. COUSINS, '06



MUSIC





THE BAND
THE GLEE CLUB
THE MANDOLIN CLUB
THE MINSTRELS



THE PURDUE BAND

THE BAND.



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F. H. MILLER, '04 Manager

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H. L. Thomson, '07

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W. L. Arbuckle, '06

Solo Alto

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C. C. Adams, '04

Solo Trombone

R. C. Brewster, '04
E. S. Guthrie, '05

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F. L. Blackburn, '06

E Flat Tuba

F. E. Stevenson, '06
M. E. Burrell, '06

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A. W. Connor, '07

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G. C. Keck, '07

First Alto

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H. G. Wilson, '07

First Trombone

J. L. Pidgeon, '07
H. A. French, '06

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C. F. Peterson, '06

Double B Flat Tuba

M. J. Loop, '06

Bass Drum

F. H. Miller, '04

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E. A. Gaston

Piccolo

B. B. Miller, '04

Second Alto

E. R. Pierce, '07

Second Trombone

R. F. Smith, '06

Barytone

M. R. Naftzger, '06

Snare Drum

G. C. Hyde, '06
T. J. Rison, '07





THE GLEE AND MANDOLIN CLUBS



MANDOLIN CLUB

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 Raymond F. Fowler
 Frank A. Thomson
 William S. Richhart
 Ross L. McLellan
 Clifford L. Ach

Second Mandolins

Edmund C. Landgrebe
 J. Clyde Marquis
 Edd. S. Frash
 Frank B. Leshner
 Harold A. Keith
 Donald S. Brown

Guitars

Walter R. Roof
 Otto W. Lingeman
 Oscar C. Warner

Flute

Otto N. Mueller

First Violin

William A. Diven

Second Violin

Albert J. Loeb

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 Assistant Manager J. W. CAIN
 Secretary and Treasurer J. C. MARQUIS

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 B. L. Rogers
 L. J. Perrine

Second Tenor

E. S. Barnum
 M. R. Naftzger
 J. O. Robertson

First Base

G. A. Bergen
 E. C. Griess
 J. C. Marquis

Second Base

J. W. Cain
 C. O. Free
 P. J. Bryant.

C. T. Brown, *Accompanist*



THE MINSTREL



Given May 5th and 6th at The Grand Opera House

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 B. L. Rogers C. S. Smith
Interlocutor, D. S. Brown

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C. S. Rauh H. R. Moorman
 J. W. Cain

End Men

Tambos

C. L. Peck G. O. Wildhack
 G. U. Middleton

Orchestra

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 Second Violin A. J. Loeb, Reifer
 Flute B. B. Milner, R. Lindner
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 Bass E. Taylor
 Cornet R. B. McLeish, R. W. Thompson
 Drums P. Florer, E. S. Guthrie

Chorus

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E. H. Dexter	T. H. Morris	E. C. Griess	H. J. Hair
R. Escobar	F. A. Schaff	E. R. Holdson	C. O. Free
L. W. Faucett	O. H. Rudy	G. W. Ferling	P. J. Bryant
C. C. Stauffer	E. S. Barnum	E. N. Halstead	H. M. Robbins
F. B. Leshner	A. F. McKee	C. G. Schmitt	F. L. Blackburne
P. R. Edgerton	O. Berry	F. L. Converse	J. Snyder
J. O. Robertson	B. L. Rogers	A. F. Bergan	



PROGRAM

Overture Orchestra

Solos

"Indeed" B. L. Rogers
 "Eliza Jane" H. R. Moorman
 "June" O. Berry
 "Can't Fool All the People All the Time" J. E. Marquis
 "Bandolero" E. C. Griess
 "You're Always Behind Like an Old Cow's Tail" C. L. Peck

Quartette

"Dreaming" Griess, McDougal, Rogers and Rauh

Solos

"Meet Me at St. Louis" J. W. Cain
 "Because You Were an Old Sweetheart of Mine" T. G. McDougal
 "Under the Mistletoe Bough" C. S. Rauh

OLIO

German Comedians

Ludwig G. O. Wildhack
 Rudolph J. W. Krull

Black Face Quartette

T. G. McDougal G. U. Middleton
 C. S. Rauh B. L. Rogers

Monologue J. Theiss
 Scientific Bag Punching Lee Percise

Oclette

Sports from Darktown

"Ladies" "Gents"

J. W. Cain H. R. Moorman
 B. L. Rogers F. A. Schaff
 C. S. Rauh E. S. Barnum
 F. L. Converse T. G. McDougal

Fantastic Fire Juggling E. S. Frash

GRAND FINALE

Serenade to the Queen

Queen J. W. Cain Messenger H. R. Moorman
 Guard C. O. Free Soldiers Company









THE EXPONENT STAFF OF 1904



THE *Exponent* is the official organ of the students of Purdue University. It is issued every week during the school year. Nominally it is published by the students, in reality three or four people do all the work.

It serves as a medium for faculty announcements, as an advertising medium for the Department of Agriculture, and to spread abroad weekly to 'an expectant world the startling information that the Rev. Dr. Sanctimus will speak at 5:45 p. m. Sunday, in Old Chapel. The remainder of the space is filled with a wealth of good advice as to how the University ought to be run. Being without a "contemporary" competitor, there is no chance for any one to get even with it for any shafts which it may aim, with the single exception of the opportunity offered by the DEBRIS.

The past year has been the second of its existence as an enterprise of the student body as a whole. The paper has never had a more successful year, the credit for which is due to the industry and efficiency of the staff.

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THE DEBRIS STAFF OF 1904



THE DEBRIS is the annual publication of the Senior Class. Every member of that august body planks down five great iron dollars for the privilege of seeing his face smile out at him from its pages. In addition many have the pleasure of finding their names recorded for posterity upon its roast pages, a privilege which costs them nothing.

The DEBRIS is the only publication of the University having the exclusive right to knock on everybody and everything that in its opinion deserves its notice. It endeavors to wield its hammer impartially, but naturally some things come in for a larger share of attention than others.

This volume, like all its predecessors, is the largest, handsomest, and most complete one ever issued. A dollar and a half takes it away, and it would be a bargain at double the price.

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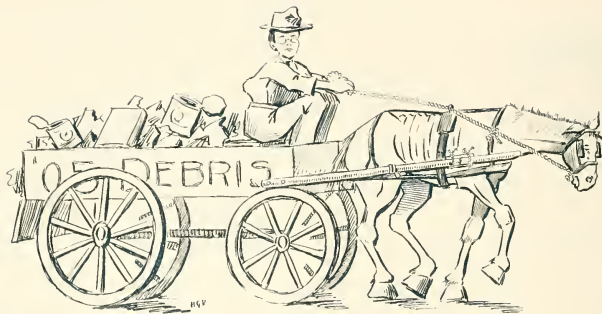
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THE Civil Engineering Society is the only technical organization in the University which publishes its proceedings. Its annual report is supplied to members, and is exchanged in liberal numbers with the annual reports of a number of State Engineering Societies and students' societies at other institutions.

The *Annual* this year enjoys the distinction of being the largest and most fully illustrated of any since the publication of the *Annual* was begun. The articles published therein are by the best talent in the University, and are of interest and value to every student of civil engineering.

The staff are to be congratulated upon the success attending their efforts.

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IRVING ANNUAL PROGRAM

Eliza Fowler Hall, April 19, 1904



Invocation	PROF. T. G. ALFORD	Story	REX G. AVERILL
			"The Jeweled Compass"
Violin Solo	MISS JOSEPHINE SIMS	Violin Solo	MISS JOSEPHINE SIMS
	"Ave Maria," <i>Bach-Gounod</i>		"Barcarolle," <i>Fischer</i>
President's Greeting	L. MURRAY GRANT		
Reading	ARTHUR L. WALTERS	Recitation	ALEX. LINDSAY
	From "The Cave of Crys," <i>Gilbert Parker</i>	(a)	"De Bell of St. Michael," W. H. DRUMMOND
		(b)	"De Nice Lettle Canadienne"
			French-Canadian Dialect
Oration	ROBERT J. GREENWOOD	Paper	HORACE T. HERRICK
	"The Value of a Vote"		"A Glimpse at the Other Side"
Selection	RHINEBERGER QUARTETTE	Selection	RHINEBERGER QUARTETTE
Puffs from a Senior's Pipe	CLARENCE A. ZUPFANN		

Ushers from the Commissioned Officers of Purdue Cadet Corps.



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				Laura Reyer	Ethel Cowing	
				Jenny Tilt	Lola WhitseI	
		<i>Post Graduate</i>				
		Nellie Switzer				

PHILALETHEAN ANNUAL PROGRAM

Eliza Fowler Hall, April 29, 1904



- (a) March—Lefebvre *Wely*
(b) Cautilene Nuptiale *Dubois*
MISS EVA L. LINN
- President's Address CECIL C. CRANE
- Paper FRANCES McLAUGHLIN
"The Heroism of the American Woman "
- Recitation RUBY HALSTEAD
"Grandma at the Masquerade"
- Sketch MABEL MCBROOM
"The Colonial Girl"
- (a) The Village Harvest Home *Walter Spinney*
(b) The Question and Answer *Wolstenholme*
MISS EVA L. LINN
- Essay BERNICE NELSON
"The American Girl in Comparison with
the Girls of Other Countries"
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"The College Chair Boy"
- Paper LOIS YAGER
"The American Girl of the Future"
- Recitation EDITH GRIGGS
"Her Practical Appliance of a Science"
- Variations on a Scotch Air *Dudley Buck*
MISS EVA L. LINN



CARLYLE LITERARY SOCIETY

Motto: Studete Literas

Founded 1881

Colors: Crimson and Gold

OFFICERS

President	L. J. KIRBY	Treasurer	F. S. ROBBINS
Vice-President	E. P. SMITH	Editor	R. M. DAVIDSON
Recording Secretary	W. C. SPRAU	Critics	C. M. RIPLEY
Corresponding Secretary	R. J. TEETOR		T. D. SHEERIN
	Sergeant-at-Arms		A. E. LODER

HONORARY MEMBERS

Gen. Lew Wallace Prof. P. N. Evans Mr. C. B. Cooper

ACTIVE MEMBERS

<p>1904</p> <p>Leroy J. Kirby Elmer P. Smith Herbert L. Johnson</p>	<p>Charles M. Ripley Arthur E. Loder Harry G. Raschbacher Robert N. Davidson</p>	<p>1906</p> <p>† Joseph Collins Coates William C. Sprau William F. Verner William W. Nutting † Deceased Clinton O. Cromer</p>
<p>1905</p> <p>Thomas D. Sheerin Ralph J. Teetor</p>	<p>Orion V. Heil</p>	<p>1907</p> <p>Benedict F. Raber Robert S. Glover Everett L. Siekman Leroy Callender</p>
		<p>Frank S. Robbins Robert N. Kinnaird Richard F. Hoffmark Ralph W. Gilbert</p>
		<p>Francis E. Lister Stanley U. Champe Theodore Whitehead</p>

CARLYLE ANNUAL PROGRAM

Eliza Fowler Hall, April 26, 1904



Invocation	REV. H. T. GARY	The Trend of Modern Poetry, A Paper	ROBERT N. DAVIDSON
Sing On A Vocal Solo	MISS E. LOUISE KIENLY	The Spirit of Purdue's Memorial, An Oration	ARTHUR E. LODER
Words of Welcome	LEROY J. KIRBY	The Nightingale A Vocal Solo	NEVIN MISS KIENLY
(a) On the Road to Mandalay	Kipling	Selected, A Reading	THOMAS D. SHEERIN
(b) Thoughts for a Discouraged Farmer	Riley	At Sunrise, A Story	RALPH J. TEETOR and O. V. HEIL
A Recitation	WILLIAM W. NUTTING	Remembrance A Trombone Solo	From Wagner, by Simmon MR. REMBUSCH
Engineering Education, An Essay	CHARLES M. RIPLEY		
Thou Sublime Sweet Evening Star	From Tannhauser		
A Trombone Solo	JOSEPH E. REMBUSCH		

MISS EVA LINN, Accompanist



❁
EMERSONIAN LITERARY SOCIETY
❁

Motto: Wie die Arbeit, so die Belohnung

Colors: Nile Green, Shrimp Pink, Cream

OFFICERS

President D. A. HERRON	Treasurer H. A. BURGESS
Vice-President P. R. EDGERTON	Critic C. A. JENNINGS
Recording Secretary H. C. MILLS	Critic C. W. KINNEAR
Corresponding Secretary A. K. READING	Marshal WARDER CROW

MEMBERS

<p style="text-align: center;">1904</p> <table style="width: 100%;"> <tr> <td style="width: 50%;">Warder Crow } D. A. Herron } W. M. Hinesley } J. G. Van Zandt</td> <td style="width: 50%;">J. C. Marquis H. D. McCaslin H. C. Mills</td> </tr> </table>	Warder Crow } D. A. Herron } W. M. Hinesley } J. G. Van Zandt	J. C. Marquis H. D. McCaslin H. C. Mills	<p style="text-align: center;">1905</p> <table style="width: 100%;"> <tr> <td style="width: 50%;">F. C. Banta } H. A. Burgess } T. Kenworthy }</td> <td style="width: 50%;">R. B. Millard H. K. Reading D. W. Stradling C. W. Kinnear</td> </tr> </table>	F. C. Banta } H. A. Burgess } T. Kenworthy }	R. B. Millard H. K. Reading D. W. Stradling C. W. Kinnear
Warder Crow } D. A. Herron } W. M. Hinesley } J. G. Van Zandt	J. C. Marquis H. D. McCaslin H. C. Mills				
F. C. Banta } H. A. Burgess } T. Kenworthy }	R. B. Millard H. K. Reading D. W. Stradling C. W. Kinnear				
<p style="text-align: center;">1906</p> <table style="width: 100%;"> <tr> <td style="width: 50%;">E. Brown J. E. Breece H. A. Dorsey P. R. Edgerton</td> <td style="width: 50%;">R. F. Hetherington N. A. Lago O. B. Rinehart C. E. Summers R. T. Wile</td> </tr> </table>	E. Brown J. E. Breece H. A. Dorsey P. R. Edgerton	R. F. Hetherington N. A. Lago O. B. Rinehart C. E. Summers R. T. Wile	<p style="text-align: center;">1907</p> <table style="width: 100%;"> <tr> <td style="width: 50%;">C. F. Bragg E. C. Griess</td> <td style="width: 50%;">C. A. Jennings W. Tucker</td> </tr> </table>	C. F. Bragg E. C. Griess	C. A. Jennings W. Tucker
E. Brown J. E. Breece H. A. Dorsey P. R. Edgerton	R. F. Hetherington N. A. Lago O. B. Rinehart C. E. Summers R. T. Wile				
C. F. Bragg E. C. Griess	C. A. Jennings W. Tucker				

EMERSONIAN ANNUAL PROGRAM

Eliza Fowler Hall, April 22, 1904



Piano Solo.....	MISS JEANNETTE SMITH	Violin Solo.....	HUGH MCGIBENY
(a) Prelude.....	<i>Rachmaninoff</i>	Concerto—Andante and Finale.....	<i>Mendelssohn.</i>
(b) Minuet Antique.....	<i>Seeböck</i>	Oration.....	HOWARD BURGESS
Invocation.....	DR. COLE	“A Man and a Message”	
Greeting.....	DAVID A. HERRON	Recitation.....	FRANK BANTA
Essay.....	H. D. McCASLIN	“The Pine-Town Debating Society”	
“The Confederacy of the West”		Vocal Solo.....	MISS RIDGELY
Vocal Solo.....	MISS BERTHA RIDGELY	Selected	
Selected		Story.....	ERNEST BROWN
Story.....	A. K. READING	“In an Electric Launch”	
“To the Victors Belong the Spoils”		Violin Solo.....	MR. MCGIBENY
Fable.....	WARDER CROW	(a) Serenade.....	<i>Drala</i>
“A Bluff, Pro and Con”		(b) Rondo Fantastique.....	<i>Bazzini</i>
		Benediction.....	DR. COLE



PURDUE DEBATING SOCIETY

Motto
 Semper paratus
Colors
 Gold and White

OFFICERS

President	C. E. DRAPER							
Vice-President	E. C. GEITHER							
Secretary	G. A. SHOOK							
Treasurer	S. HETHERINGTON							
Editor	I. J. REUTER							
Literary Committee	<table style="border: none; margin-left: 20px;"> <tr> <td style="font-size: 2em; vertical-align: middle;">}</td> <td>O. W. CASWELL</td> </tr> <tr> <td></td> <td>E. V. COOK</td> </tr> <tr> <td></td> <td>G. F. PETERSON</td> </tr> </table>	}	O. W. CASWELL		E. V. COOK		G. F. PETERSON	
}	O. W. CASWELL							
	E. V. COOK							
	G. F. PETERSON							

HONORARY MEMBERS

Prof. C. B. Cooper	A. W. Brockenbrough
--------------------	---------------------

MEMBERS

	1905
	O. W. Caswell
	1906
E. V. Cook	G. W. Hofmann
D. H. Deem	G. C. Hyde
C. E. Draper	R. R. Jacoby
E. C. Geither	G. F. Peterson
M. L. Heitger	I. J. Reuter
S. Hetherington	G. A. Shook
	1907
L. Callender	C. F. Norton
J. T. Elston	T. H. Teeter



TECHNICAL SOCIETIES

THE MECHANICAL ENGINEERING SOCIETY

THE CIVIL ENGINEERING SOCIETY

THE PURDUE BRANCH OF THE AMERICAN INSTITUTE OF

ELECTRICAL ENGINEERS

THE AGRICULTURAL SOCIETY

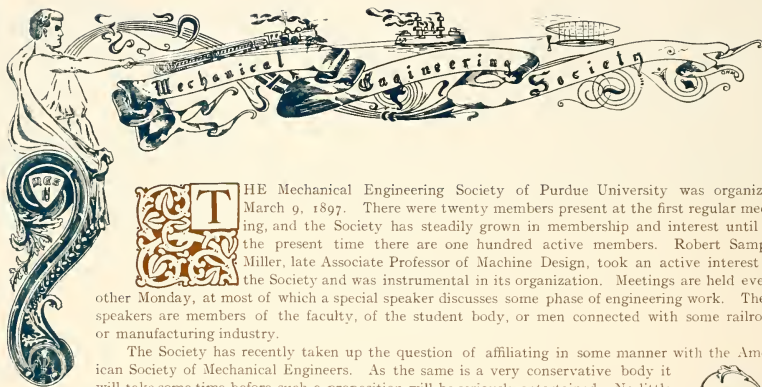
THE CHEMICAL SOCIETY

THE BIRD CLUB

DEUTSCHER VEREIN



The
Debris
of
1904.

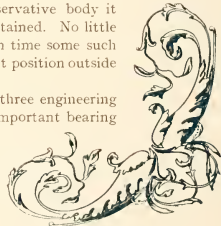


THE Mechanical Engineering Society of Purdue University was organized March 9, 1897. There were twenty members present at the first regular meeting, and the Society has steadily grown in membership and interest until at the present time there are one hundred active members. Robert Sample Miller, late Associate Professor of Machine Design, took an active interest in the Society and was instrumental in its organization. Meetings are held every other Monday, at most of which a special speaker discusses some phase of engineering work. These speakers are members of the faculty, of the student body, or men connected with some railroad or manufacturing industry.

The Society has recently taken up the question of affiliating in some manner with the American Society of Mechanical Engineers. As the same is a very conservative body it will take some time before such a proposition will be seriously entertained. No little interest is shown regarding this question, and it is the belief that in time some such arrangement will be made. This would make the Society have quite an important position outside of its present university existence.

The Society has also taken up the movement to unite the interests of the three engineering societies with the view of publishing an engineering annual. This would have important bearing on the work done at Purdue, as such a publication would be widely circulated.

The past year has left the Society in a very prosperous condition, and it has admirably carried out its object of furthering the interests of mechanical engineering at Purdue and of promoting good fellowship among its members.



MECHANICAL ENGINEERING SOCIETY

OFFICERS

President O. N. MUELLER, '04 Recording Secretary . . . H. A. JOHNSON, '05
 Vice-President C. W. O'NEILL, '05 Corresponding Secretary . B. F. BILSLAND, '04
 Treasurer J. F. RICHARDSON, '05

MEMBERS

Honorary

Prof. W. F. M. Goss Prof. W. K. Hatt
 Prof. J. D. Hoffman

Faculty

L. V. Ludy J. R. McConnell
 F. B. Ernst E. W. Kerr
 G. A. Young L. E. Endsley
 C. B. Veal N. J. Wheeler
 L. Silberberg

1904

H. Keneipp E. Duden
 A. Lindsay E. P. Smith
 C. L. Peck W. R. Davis
 O. E. Thaleg P. Diserens
 C. E. Augustine W. W. Brizius
 P. Crumrine McGarvey Cline
 J. J. Stevens L. Murray Grant
 H. W. Merkel D. S. Brown
 R. F. Taylor L. Terrell
 A. F. Van Deirse C. M. Anderson
 P. H. Goda B. B. Milner

1907

R. W. Keyes C. D. Dabney, Jr. A. B. Marsh
 A. A. Kellogg G. C. Morgan S. E. Lawrence
 J. E. House G. D. Siemantel A. W. Clark
 B. F. Raber W. H. Winterrowd G. C. Keck

1905

J. W. Rupert W. C. Roesener
 H. G. Hoss E. W. Hart
 E. G. Stradling I. F. Richardson
 C. E. Crofoot C. W. Kinnear
 E. K. Belt W. D. Hammerstadt
 T. E. Kenworthy H. A. Johnson
 T. B. Keim C. J. Schmidt
 W. J. O'Brien M. B. McPartland
 R. B. Millard H. G. Warren

E. H. Dexter

1906

H. E. Pressinger J. E. Poindexter
 V. P. Cramer W. W. Nutting
 F. S. Calkins L. C. Dewey
 G. C. Morgan W. L. Clark
 F. S. Robbins H. Benedict
 S. Hetherington M. R. Hammer
 M. M. Sheedy C. A. Zuppann
 G. W. Hofmann M. L. Heitger
 R. F. Smith A. W. Atwater
 H. N. Hubbard E. V. Cook





CIVIL ENGINEERING SOCIETY.

THE Civil Engineering Society is an organization of the civil engineering students of Purdue University, having

for its object the promotion of the professional training of its membership along those lines which are not covered

in the routine classroom work. It encourages professional improvement and good fellowship by regular meetings, at which papers are presented by practicing engineers of high rank, by members of the civil engineering faculty, and by the student members. One of the most valuable features of the work is the discussion of these talks and papers by the members.


Thus men preparing for the engineering profession are given opportunity to improve in writing and reading technical papers or in giving talks on engineering experiences and observations. It is realized that after graduation the engineer's

professional advancement may hinge largely upon his ability to present technical reports and to defend them effectually, both orally and in writing.

The society was founded in the fall of 1893 by members of the Junior and Senior classes, and for some time full membership was limited to upper class men, the Sophomores and Freshmen being allowed the privileges of associate membership only. Now the organization enlists the active support of all Civil Engineering students and forms an essential part in the practical training of the undergraduate.

OFFICERS

President	A. E. LODER, '04
Vice-President	C. R. JAMISON, '05
Secretary	R. E. DODGE, '04
Treasurer	C. S. SMITH, '05



Purdue Branch American Institute Electrical Engineers.



American Institute of Electrical Engineers founded 1884. Purdue Branch founded 1903

UNTIL the beginning of the school year of 1903-04 the electrical students of Purdue have assembled for the discussion of electrical subjects as members of what was known as the "Purdue Electrical Society." This was a purely local organization, founded in 1896, and was scarcely known outside the surroundings of the University. The fall of 1903 marked the beginning of a new stage in the development of this society. It was placed on a more substantial basis, and is now no longer a local affair, but is a part of a greater institution known as the "American Institute of Electrical Engineers."

The American Institute of Electrical Engineers is an association composed, as the name signifies, of the best electrical engineers of America. The purpose is to advance scientific investigation and education in the electrical world. Once each month the Institute meets in New York city for the discussion of electrical subjects, presented by engineers of authority. Twice each month the local branches meet to discuss these same subjects. Advance copies of the papers are sent to each student member, then at the end of the month each member receives a bound copy of the discussions and papers. The Purdue Branch is one of twenty-one similar branches which have been established at the leading technical Universities, and its members are kept constantly in touch with the most recent developments in the theory and applications of electricity.

Officers

Chairman PROFESSOR W. E. GOLDSBOROUGH
Secretary.....PROFESSOR J. W. ESTERLINE

Local Officers

Vice-Chairman R. W. HARRIS, '04
Assistant Secretary.....C. C. STAUFFER, '04
Treasurer.....M. C. GOODSPEED, '04

Executive Committee

R. W. HARRIS, '04, Chairman O. H. WEST, '04 L. J. KIRBY, '04 W. S. HALL, '05 A. L. RALSTON, '05



AGRICULTURAL SOCIETY

Founded 1893.
Motto—"Eternal Vigilance
is the Price of Success."

THE urgent need for training in public speaking, social intercourse and parliamentary practice led the students in the agricultural courses to organize a society which would supply these needs. Not alone is the Society a technical club, but as well it is in many ways a social organization, in which the members cultivate acquaintances which are helpful and tend to produce a broader student. The work of the Society consists of a weekly meeting, in which are discussed the technical questions of agriculture and topics of popular and local interest. Much of the time is giving to training in speaking extemporaneously, which is perhaps the most valuable part of the work. The Society is associated with the International Federation of Agricultural Students, of which organization it is a charter member. A representative of the School of Agriculture is sent to the Annual Meeting at Chicago through the aid of the Society.

OFFICERS

President
Vice-President
Secretary
Treasurer
Right Critic
Left Critic
Sergeant-at-Arms

A. B. BREWER, '05
F. FRAIN, '07
W. M. LEARNER, '07
O. W. CARWELL, '05
P. R. EDGERTON, '06
C. N. ARNETT, '07
W. E. JOSEPH, '07



CHEMICAL SOCIETY



OFFICERS

President	J. LEEDS BROWN
Vice-President	HOWARD BURGESS
Secretary and Treasurer	LOUIS WEITH

MEMBERS

Faculty

Dr. P. N. Evans	Dr. James H. Ransome
Mr. Edward S. Mahin	Mr. Louis A. Test

Class of 1904

C. L. Ach	Chas. R. Adams
J. Leeds Brown	Warder Crow
G. R. Jenkins	V. V. Mitchell
Alfred E. White	

Class of 1905

H. N. Barrett	Howard Burgess
C. C. Coble	A. N. Connor
E. S. Guthrie	L. D. McClure
T. K. Roach	

Class of 1906

Active Members

Harry Bishop	C. M. Pence
D. D. Pence	Walter P. Pollock
Geo. A. Thomas	C. M. Vogel
Louis Weith	D. F. Sirdean

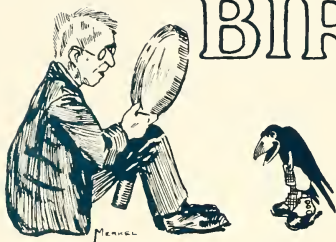
Associate Members

T. H. Brown	F. G. Chance
R. S. Wile	

Class of 1907

Chas. A. Jennings	Chas. F. Bragg
G. W. Bersch	

BIRD CLUB



THE Bird Club was organized for the purpose of affording an organization for those students in the University who wished to observe the birds from either the esthetic or economic standpoint. Observations of the migrations of the common birds of the locality were kept from the first, until at present the Club possesses quite a valuable list of records on the birds of this vicinity. Weekly meetings are held during the spring and fall months, at which discussions papers, lectures and the results of experiments are

given. Occasional field trips of the entire Club have been made, which have proved very enjoyable and instructive to all who have participated.

The Club stands unique in the University as the only organization that is for esthetic and economic purposes not supplied by the University curriculum.

OFFICERS

President. J. CLYDE MARQUIS
 Secretary. EARLE C. SALISBURY

MEMBERS

<i>Faculty</i>	<i>Class 1904</i>
PROFESSOR STANLEY COULTER	G. R. JENKINS
PROFESSOR LOUIS A. TEST	H. C. MILLS
PROFESSOR M. J. FISHER	E. C. SALISBURY
	J. CLYDE MARQUIS
	<i>Class 1905</i>
O. W. CASWELL	C. J. PECK
WALTER P. POLLOCK	ALBERT F. GANIER





DEUTSCHER VEREIN



Präsident.

.BERT B. MILNER

Schriftführer und Schatzmeister

.ANNA M. THARP

MITGLIEDER

Mitglieder in der Facultät

Frederick Richard Dapprich John Heiss
Ernst J. Flügel

1904
Luna E. Allison

Emil G. Duden

1905
Henry Hoss

Shelton H. Connaroe
George G. Pollock

Alvin N. Connaroe
Morris F. Kahn

1906

George W. Bersch Harry E. Bishop
Carl F. Hetherington Jacob C. Dettling
Walter W. Hopkinson Volney D. Cousins
Thomas S. Hemenway

1907

Henry E. Malan Clara Gosma
Ona Marquess Roy C. Jones
Bertha Latta Theodore Whitehead
Welbourne Tucker Jessie B. Weston



Drawn by Lyla Marshall

FRA



TER NIT



IES





SIGMA CHI



Founded at Miami University, 1855

Official Organ—Sigma Chi Quarterly

Yell

Flower
White Rose

Who? Who? Who am I?
I'm a loyal Sigma Chi!
Whoopla, Whoopla, Whoopla Hi,
Sig-ma Chi.

Colors
Light Blue and Gold

ROLL OF CHAPTERS

Miami University
Ohio Wesleyan University
Columbia University
Washington and Lee University
Tulane University
Lehigh University
Northwestern University

University of Kansas
Stanford University
West Virginia University
Ohio State University
Columbia University
Cornell University
Illinois Wesleyan University
Purdue University
DePauw University
Butler College
Denison University
Massachusetts Institute of
Technology
Dickinson College
Pennsylvania State College
University of Wooster
Lafayette College
University of Minnesota
University of Maine
Dartmouth College
Kentucky State College

Hanover College
Albion College
Hobart College
Vanderbilt University
University of Michigan
University of Nebraska
University of Indiana
University of Mississippi
University of Virginia
University of Chicago
University of California
University of Missouri
University of Texas
University of Cincinnati
University of Pennsylvania
University of Southern California
University of Wisconsin
University of Illinois
State University of Iowa
Washington University
Central University





❁ ❁ **DELTA DELTA CHAPTER** ❁ ❁

ESTABLISHED 1875

FRATRES IN URBE

Charles A. Marstellar
 Col. R. P. DeHart
 Geo. F. Jamison
 Chas. S. Downing
 Dr. Edwin M. Davidson
 Wm. R. Coffroth

Alva O. Reser
 J. B. Hutchison
 James M. Fowler, Jr.
 Judge Henry Heath Vinton
 Hugh Adress
 Judge W. F. Severson

Quincy Smith
 Frank B. Timberlake
 Chas. J. Bohrer
 William Edward Beach
 Clarence M. Bivens
 Samuel N. Snoddy

S. R. Jackson
 Wm. Murdock
 Wm. S. Walters
 Worth Reed
 Cecil G. Fowler
 Martin L. Pierce

FRATRES IN UNIVERSITATE

1904
 Marvin Henry Coppes
 1905
 Alexander Julian Chinn
 Carl B. Woodworth

Robert Frazier Higbee, Jr.
 Wm. John O'Brien

Christian Adolph Kurz, Jr.
 William Lingle Scantlin
 Benj. Frederick Schleicher
 *Deceased

1906
 Walter Queen
 *Joseph Collins Coates
 Pierce Colton Ward
 Bernie Bogan

Frederick Allan Schaff
 William Sharon Humes

1907
 William A. Colt, Jr.
 Stephen A. Trentman

Joseph Frederick Reed
 George Victor McMahan





KAPPA SIGMA



Founded 1867—University of Virginia

Official Organ—*The Caduceus*

Colors

Scarlet, Emerald Green and White

Yell

Flower

Lily of the Valley

Rah! Rah! Rah!
Crescent and Star!
Vive la! Vive la!
Kappa Sigma!

CHAPTER ROLL

University of Maine	William and Mary College		
Bowdoin College	Hamden-Sidney College		
New Hampshire College	Richmond College	Southwestern Presbyterian	Baker University
University of Vermont	Davidson College	University	University of Denver
Brown University	Trinity College	of the South	Ohio State University
Cornell University	University of North Caro-	Southwestern Baptist Col-	Case School of Applied
Swarthmore College	lina	lege	Science
Pennsylvania State College	North Carolina A. and M.	Kentucky State College	Purdue University
University of Pennsylvania	College	Millsaps College	Wabash College
Bucknell University	Wofford College	Louisiana State University	University of Indiana
Washington and Jefferson	Mercer University	Centenary College	University of Illinois
College	Georgia School of Tech-	Tulane University	Lake Forest University
Lehigh University	nology	Southwestern University	University of Michigan
Dickinson College	University of Georgia	University of Texas	University of Wisconsin
University of Maryland	University of Alabama	University of Arkansas	University of Minnesota
Columbian University	Alabama Polytechnic	William Jewell College	University of Iowa
Washington and Lee Col-	Institute	Missouri State University	Leland Stanford, Jr., Uni-
lege	Cumberland University	Washington University	versity
University of Virginia	Vanderbilt University	Missouri School of Mines	University of California
Randolph-Macon College	University of Tennessee	University of Nebraska	University of Washington





CHI CHAPTER

ESTABLISHED 1885

FRATRES IN URBE

Willard S. Brockenbrough	Roy S. Walker	Daniel Roysce	Daniel E. Storms
William P. Heath	Charles D. Gavan	S. G. Van Natta	Edward W. Earl
John W. Van Natta	J. Lyndon Van Natta	Lee S. Dresser	

FRATRE IN FACULTATE

Alpha P. Jamison

FRATRES IN UNIVERSITATE

<i>Post Graduate</i>			
Edgar C. Rowe	William Harty, Jr.	Henry McIver, Jr.	Walton L. Robinson
Fred. McParland		Julian L. Sydnor	Aden O. Faulkner
1904			1906
Wm. G. McManus		John Brook Emory	George A. Thomas
1905		Carl Pierce	Guy Bellows
William C. Bonebrake	Theodore H. Morris		1907
Norbert A. Thixton	James W. Cain	Wyman R. Swan	Charles W. Paramore
Lee L. Persise	Richard J. Williams	Arthur M. Graffis	William Outcalt

Pharmacy

Walter O. Caldwell





SIGMA NU



Founded at Virginia Military Institute Jan. 1, 1869

Official Organ—Delta of Sigma Nu.

Colors

Black, White and Gold

Secret Organ—The Sub-Rosa

Flowers

White Rose

Yell

Hi Rickety, Hoopty Doo,

What's the Matter with Sigma Nu?

Hullabaloo, Tellabaloo,

Ausgesicht, nicht, Sigma Nu.

CHAPTER ROLL

Lehigh University
 University of Vermont
 Stevens Institute of Technology
 Lafayette College
 Cornell University
 University of Virginia
 Washington and Lee University
 Bethel College
 Vanderbilt University
 University of North Carolina
 North Carolina A. & M. College
 University of West Virginia
 State College Kentucky
 University of Georgia
 University of Alabama
 Howard College
 North Georgia Agricultural College

Mercer University
 Emery College
 Alabama Polytechnic Institute
 Georgia School of Technology
 Bethany College
 DePauw University
 Ohio State University
 Purdue University
 University of Indiana
 Mount Union College
 Rose Polytechnic Institute
 Albion College
 Northwestern University
 University of Wisconsin
 University of Illinois
 University of Michigan

University of Chicago
 Lombard University
 University of Iowa
 Kansas State University
 Missouri State University
 William Jewell College
 Missouri School of Mines
 Washington University
 University of Texas
 Louisiana State University
 Tulane University
 Colorado School of Mines
 University of Colorado
 University of Washington
 University of Oregon
 Leland Stanford, Jr., University
 University of California



❁ ❁ **BETA ZETA CHAPTER** ❁ ❁

Established October 26, 1892

FRATRES IN URBE

George F. Phillips H. D. Hartley, B. S.

FRATRES IN FACULTATE

E. E. Reynolds, M. E. J. W. Esterline, B. S.

FRATRES IN UNIVERSITATE

1904

Clinton G. Reed
Joseph B. Knapp
Louis D. Waldron

Clair L. Peck
Robert R. Vinnedge
Herbert A. Kipp

1906

Henry P. Barnard
Herbert R. Moorman
Ernest R. Holdson

Harry C. Moran
Raymond S. Wile
James R. McCann

Edward C. Glover

1905

T. Beverley Keim, Jr.
Frank J. Brittingham
Thomas K. Roach
Joseph G. Duncan

Joseph H. Lambert
J. Walter Krull
William R. Wheeler
W. Bradford Jones

1907

Clarice E. Beverstein
Paul R. Glass

Charles T. Dabney, Jr.
Cecil B. Floyd

Ralph J. Winters





PHI DELTA THETA



Founded, Miami University, Dec. 26, 1848

Publications—The Scroll and the Palladium (secret)

Colors

Argent and Azure

Flower

White Carnation

Yell

Rah! Rah! Rah!

Phi-keia,

Phi Delta Theta,

Rah! Rah! Rah!

ROLL OF CHAPTERS

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

Lehigh University
University of Virginia
Randolph-Macon College
Washington and Lee Uni-
versity
University of North Carolina
Central University
Kentucky State College
Vanderbilt University
University of the South
Georgia School of Technology
University of Georgia
Emory College
Mercer University
University of Alabama
Alabama Polytechnic Insti-
tute.
Miami University

Ohio Wesleyan University
Ohio University
Ohio State University
Case School of Applied
Science
University of Cincinnati
University of Michigan
University of Indiana
Wabash College
Butler College
Franklin College
Hanover College
DePauw University
Purdue University
Northwestern University
University of Chicago
Knox College
Lombard University

University of Illinois
University of Wisconsin
University of Minnesota
Iowa Wesleyan University
University of Iowa
University of Missouri
Westminster College
Washington University
University of Kansas
University of Nebraska
University of Mississippi
Tulane University
University of Texas
Southwestern University
University of California
Stanford University
University of Washington
University of Colorado





INDIANA THETA CHAPTER



Established March 17, 1893

FRATRES IN URBE

Dr. Geo. F. Keiper
William F. Stilwell
Roy W. Wallace

Earnest A. Moore
Charles Muller
Ray W. Stoy

Montgomery E. Sherry
Prof. Jay Robert McColl

George P. Miller
Oliver P. Leonard

FRATRES IN FACULTATE

Prof. Jay Robert McColl

Guy H. Guthrie

FRATRES IN UNIVERSITATE

Harry M. Bowen
Alex. P. Wood
Samuel G. Clifford

1904

George U. Middleton
Charles S. Rauh
Porter G. Jones

Reginald W. Hughes
Irving H. Long

1906

C. Stanley Sale
Ora H. Ruddy

E. Francis Jones

Harry G. Warren
Walton Vaile
S. Earl Miner

1905

Harry R. Curran
Joseph A. Miner
John L. A. Connors

Dennis H. Long
Harry R. Fitton
Winfield C. Miller

1907

Guy T. Ellis
Taylor Stewart
E. Olin Finney

William J. Hogan



THE HONORARY FRATERNITY TAU BETA PI

Founded at Lehigh University 1885. Established at Purdue 1893. Colors—Brown and White.



DURING the last part of the last decade, when the growth of Purdue began to nourish a keener spirit for fraternal organizations, and the list of Greek letter societies showed a sudden increase, there appeared at Purdue, as a result of this general spirit, the association known as Tau Beta Pi. The chapter, established May, 1892, was the third of a national organization founded June, 1885, at Lehigh University, under the auspices of Professor E. H. Williams of that institution. The purpose of the society was "to mark in a fitting manner those who had conferred honor upon their alma mater by a high grade of scholarship as undergraduates or by their attainments as alumni, and to foster a spirit of liberal culture in the technical and scientific schools of America."

The Purdue chapter was received and considered at first in much the same light as the more social organizations which had preceded it, but a few years of existence served to remove the ban placed upon it by the faculty and it was recognized in its true sense, an honorary society. Since that time its existence has been marked with genuine prosperity, and it has served well to fulfil its primary purpose, that of rewarding successful mental effort.

A general misconception, however, is still more or less associated with its rules regarding choice of members, and to the uninitiated there seems to be but a single qualification which is paramount—that of scholarship. Indeed, classroom attainments are an important essential toward membership, but by no means a sufficient condition. Gentlemanliness, congeniality, refinement and university spirit—those characteristics of manly and moral culture are as necessary as a high intellectual development.

The growth of Tau Beta Pi, in general, has been as successful as in the particular case of Purdue. Chapters have been installed in most of the best technical schools of the country, and an expansive policy urged by the growth of such institutions has been laying before the organization a newer and broader field. It stands as an association of high purposes and attainments, with few secrecies to shroud and mystify its aims, and should, with its motives clear, command respect and win continual success.

ROLL OF CHAPTERS

Alpha of Pennsylvania, Lehigh University
Alpha of Michigan, Michigan Agricultural College
Alpha of Indiana, Purdue University
Alpha of New Jersey, Stevens Institute of Technology
Alpha of Illinois, University of Illinois

Alpha of Wisconsin, University of Wisconsin
Alpha of Ohio, Case School of Applied Sciences
Alpha of New York, Columbia University
Alpha of Kentucky, Kentucky State College
Alpha of Missouri, University of Missouri



ALPHA OF INDIANA

BROTHERS IN THE CITY

Julius B. Meyer A. E. Kemmer Hugh H. Barcus

BROTHERS IN THE FACULTY

Emil J. Fermier .	Edward E. Reynolds	Edward Mahin	Edwin B. Smith	Cicero B. Veal
James D. Hoffman	J. Walter Esterline	Wm. D. Pence	Fritz B. Ernst	Wm. T. Small
Gilbert A. Young	Ned J. Wheeler	Charles V. Seastone	Louis E. Endsley	Alfred W. Gregg
Llewellyn V. Ludy	Alpheus J. Crane	Hylon T. Plumb		

BROTHERS IN THE UNIVERSITY

1904

I. E. Artz	H. T. Herrick	M. J. Ridley	E. W. Hyde, Jr.	L. C. Marshall
G. D. Babcock	C. E. Kailer	A. F. Van Deinse	George Havens	F. E. Morrow
S. G. Clifford	B. B. Johnston	O. H. West	R. W. Harris	H. G. Raschbacher
H. A. Cook	O. N. Mueller	C. E. Banta	L. M. Grant	H. E. Satterfield
McGarvey Cline	F. H. Nealis	E. G. Duden	H. A. Kipp	R. N. Davidson

1905

R. E. Dodge	W. R. Puryear	R. J. Courtney	V. M. Nussbaum	C. E. Schutt
A. L. Ralston	F. O. Blair	C. R. Jamison	J. W. Rupert	J. R. Wortham
R. G. Averill	R. J. Chapman			
D. S. Bowman	G. E. Crofoot			





SIGMA ALPHA EPSILON



Founded March 9, 1856

Official Organ—The Record

Colors

Royal Purple and Old Gold

Flower

The Violet

Yell.

Phi Alpha Ala-ca-zel.

Phi Alpha Ala-ca-zon

Sigma Alpha! Sigma Alpha!

Sigma Alpha Epsilon!

ROLL OF CHAPTERS

Massachusetts Institute of
Technology
University of Maine
Harvard University
Worcester Polytechnic Insti-
tute
Cornell University
Boston University
Columbia University
Bucknell University
St. Stephen's College
Allegheny College
Dickinson College
Gettysburg College
Pennsylvania State College
University of Pennsylvania
University of Virginia

Washington and Lee Uni-
versity
University of North Carolina
Davidson College
Wofford College
Emory College
University of Georgia
Mercer University
Georgia School of Technology
University of Michigan
University of Illinois
University of Wisconsin
University of Minnesota
University of Missouri
University of Kansas
University of Nebraska
University of Arkansas

University of Colorado
University of California
University of Mississippi
University of Texas
University of Alabama
University of Tennessee
Franklin College
Purdue University
Northwestern University
Central University
Bethel College
Kentucky State College
Southwestern Baptist Uni-
versity
Cumberland University
Southwestern Presbyterian
University

Vanderbilt University
University of the South
Southern University
Alabama Polytechnic Insti-
tute
Washington University
Colorado School of Mines
Denver University
Stanford University
Louisiana State University
Tulane University
Adrian College
Ohio State University
Mt Union College
Ohio Wesleyan University
University of Cincinnati
University of Chicago





INDIANA BETA CHAPTER



Established May 18, 1893

FRATER IN FACULTATE

Clinton S. Davisson

FRATRES IN UNIVERSITATE

1904

Irvin Emory Artz	Edward Willis Hyde, Jr.
Richard Chas. Canterbury	Thomas Gray McDougall
Lauson Stone	

1905

C. Ray Jamison	C. David Smith
Joseph D. Collins	William E. Russell
William H. Patterson, Jr.	John E. Fisher

Plumer Wiseman
 Ralph B. Knode
 Thoma W. Macartney
 Dean K. Chadbourne
 Harry J. Hair

George W. Hewitt

Short Course
 Willis B. Dye

1906

Ernest R. Conroy
 William R. Renwick
 J. Bernard Theiss
 William E. Webbe
 C. Stanley Rhoads

1907

Howard Clark
 Thomas J. Rison





PHI KAPPA PSI



Founded at Jefferson College Feb. 19, 1852

Publication—*The Shield of Phi Kappa Psi*

Colors

Pink and Lavender

Yell

High! High! High! Phi Kappa Psi

Live ever, die never; Phi Kappa Psi

CHAPTER ROLL

Washington and Jefferson College
 Allegheny College
 Bucknell University
 Gettysburg College
 Dickinson College
 Franklin and Marshall College
 Lafayette College
 University of Pennsylvania
 Swarthmore College
 Dartmouth College
 Brown University
 Amherst College
 Cornell University
 Syracuse University

Columbia University
 Colgate University
 Brooklyn Polytechnic Institute
 Johns Hopkins University
 University of Virginia
 Washington and Lee University
 University of West Virginia
 University of Mississippi
 Vanderbilt University
 Ohio Wesleyan University
 Wittenberg College
 Ohio State University
 DePauw University

Indiana University
 Purdue University
 Northwestern University
 University of Chicago
 University of Michigan
 University of Wisconsin
 Beloit College
 University of Minnesota
 University of Iowa
 University of Kansas
 University of Nebraska
 Leland Stanford Jr. University
 University of California



INDIANA DELTA CHAPTER

Established June 5, 1901

FRATRES IN URBE

D. Chas. B. Kern
 Fred D. Collett
 Marshall B. Haywood

Dr. J. D. Hillis
 Richard C. Patterson
 Rev. C. D. Royse

FRATRES IN FACULTATE

Prof. Thos. G. Alford
 Fritz B. Ernst

Prof. James C. Kelsey
 Louis E. Endsley

FRATRES IN UNIVERSITATE

1904

Marshall B. Dunning
 John N. Reynolds
 Arthur R. Bradley

Julius G. Kirby
 Daniel B. O'Brien
 Milton L. Neely

1905

H. Harry Sweetnam
 William G. Kaylor
 Thomas D. Sheerin

Ray C. Palmer
 Samuel E. Gates
 Irwin C. DeHaven

Howard M. Nichols
 James C. McCrea

1906

Harold A. Keith
 W. Don Campbell

1907

Thomas L. Sullivan, Jr.
 W. Albert Diven
 William S. Davis

Robert W. Kruse
 Harry B. Lamson
 Ralph W. Henderson

Alexander H. Houston





PHI GAMMA DELTA



Founded Jefferson College, May, 1848

Color

Royal Purple

Flower

Heliotrope

Official Organ—The Phi Gamma Delta

Yell

Rah! Rah! Phi Gam!

Rah! Rah! Delta!

Rah! Rah! Rah! Rah!

Phi Gamma Delta.

ROLL OF CHAPTERS

Washington and Jefferson College
 University of Alabama
 Bethel College
 DePauw University
 University of Virginia
 Allegheny College
 Hanover College
 College of the City of New York
 Illinois Wesleyan University
 Columbia College
 Wabash College
 Roanoke College
 Knox College
 Denison University
 Lehigh University
 Wm. Sewell College
 Colgate University
 Conwell University
 Pennsylvania State College

Massachusetts Institute of Technology
 Richmond College
 University of Minnesota
 University of Tennessee
 Worcester Polytechnic Institute
 John Hopkins University
 New York University
 Syracuse University
 Dartmouth College
 Western Reserve University
 Leland Stanford Jr. University
 Purdue University
 Adelbert College
 Brown University
 University of Chicago
 Washington and Lee University
 Ohio Wesleyan University
 Hampden-Sidney College
 Indiana University

Yale University
 Ohio State University
 University of California
 University of Pennsylvania
 University of Kansas
 Bucknell University
 University of Wooster
 University of Texas
 Lafayette College
 Wittenberg University
 Trinity College
 University of Wisconsin
 Union College
 Amherst College
 University of Illinois
 University of Nebraska
 University of Missouri
 University of Maine
 University of Washington



❁ ❁
LAMBDA IOTA CHAPTER
❁ ❁

Established 1902.

FRATRES IN URBE

Charles A. Burnett
J. M. Oppenheimer

William Ross
William H. Perrin

Roy W. Duncan
Robert R. Rice

Dr. Guy P. Levering
Arthur O. Brockenbrough

FRATRES IN FACULTATE

H. C. Walters

Alfred W. Gregg

FRATRES IN UNIVERSITATE

1904
Donald S. Brown
Henry W. Merkel

Frederic Riebel, Jr.
Oscar E. Thaleg

Kent H. Blacklidge
William A. Clare

Albert S. Hall
Frank B. Leshar

George O. Wildhack

1905
Harry C. Adams
Raymond B. Millard

Frede H. Herzsch
Lee W. Perkins

Charles F. Bragg
Irvin V. Coppes

John W. Bunting
Charles A. Jennings

Frank B. Standiford

Rosier W. Levering

Maurice E. Steele





BETA THETA PI



Founded, Miami University, 1839

Official Organ—Beta Theta Pi

Flower

Bride Rose

Colors

Pale Pink and Pale Blue

Yell

Phi Kai Phi, Beta Theta Pi.

W-o-o-G-L-I-N, Wooglin, Wooglin, Bow, Wow,

Wow,

Chow, Chow, Chow, D-o-r-g, Bow, Wow, Wow.

CHAPTER ROLL

Brown University

Boston University

University of Maine

Amherst College

Dartmouth College

Wesleyan University

Yale University

Bowdoin College

Rutger's College

Cornell University

Stevens Institute

St. Lawrence University

Colgate University

Union College

Columbia College

University of Syracuse

Wash'tn and Jefferson Col.

Dickinson College

Johns Hopkins University

University of Pennsylvania

Pennsylvania State College

Lehigh University

Hampden-Sidney College

University of N. Carolina

University of Virginia

Davidson College

Central College

Vanderbilt University

University of Texas

Miami University

University of Cincinnati

Westen Reserve Univ.

Ohio State University

Ohio Wesleyan University

Bethany College

Wittenberg College

Denison University

University of Wooster

Kenyon College

Ohio University

University of W. Virginia

DePauw University

Indiana University

Wabash College

Hanover College

Purdue University

University of Michigan

Knox College

Beloit College

University of Iowa

University of Chicago

Iowa Wesleyan University

University of Wisconsin

Northwestern University

University of Minnesota

University of Illinois

Westminster College

Washington University

University of Kansas

University of Denver

University of Nebraska

University of Missouri

University of Colorado

University of California

Stanford University

Washington State Univ.



BETA MU CHAPTER



Established 1903

FRATRES IN URBE

Prof. W. E. Goldsborough	H. H. Baugh
Prof. Stanley Coulter	W. F. Bryan
Dr. J. S. Hale	J. M. LaRue
R. F. Night	M. W. Miller

G. W. Switzer

FRATRES IN FACULTATE

Prof. W. E. Goldsborough	Prof. Stanley Coulter
--------------------------	-----------------------

FRATRES IN UNIVERSITATE

1904	Lewis Terrell	1907	Arthur Nichol
Singleton Y. Sweeney	Edward O. Quinn	W. Penn Elston	Edward Ross
1905	Roy Shackton	Joseph P. McKibben	Lenard Shick
Moses H. Baker	Frank Adams	Wharton W. Rogers	John Sims
Harry Yeo	1906	Vincent Switzer	
William W. Nutting	Frank Willey	Sheldon Widmer	





	<h2>STRAY GREEKS</h2>	
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JOHN R. GREGORY, Delta Upsilon, DePauw University

WILL C. MARTIN, Alpha Tau Omega, Albion College

RALPH W. WHITAKER, Delta Tau Delta, University of Iowa

WILLIAM R. PURYEAR, Beta Theta Pi (not affiliated), Richmond College, Va.

LOUIS J. FLINT, Phi Delta Theta (not affiliated), University of Kansas

FERDINAND HAWTHORNE, Phi Delta Theta (not affiliated), DePauw University

LAWRENCE H. EHLMANN, Phi Delta Theta (not affiliated), Indiana University

MARION J. LOOP, Delta Tau Delta, Butler College

R. C. NELSON, Kappa Sigma (not affiliated), Southwestern Baptist University

ROY T. COLLINGS, Phi Delta Theta (not affiliated), DePauw University

J. E. BREESE, Phi Delta Theta (not affiliated), Ohio Wesleyan

IRVIN S. MATHEWS, Phi Delta Theta (not affiliated), Franklin College

WALTER F. SRUTZ, Chi Psi, Amherst College

R. R. SERVICE, Psi Upsilon, University of California



PURDUE MASONIC CLUB



OFFICERS

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Vice-President . . .	R. J. GREENWOOD
Secretary	C. A. ZUPPANN
Treasurer	R. P. DIDLAKE
Guard	J. R. WORTHAM

HONORARY MEMBERS

T. J. Alford	J. C. Kelsey
Stanley Coulter	E. W. Kerr
S. B. Connor	Wm. C. Latta
W. E. Goldsborough.	W. M. Nye
H. O. Garman	Edward Nichols
E. L. Hancock	J. H. Skinner
W. J. Jones, Jr.	James Troop

ACTIVE MEMBERS

1904		
H. A. Cook	C. E. Kailer	S. Y. Sweeney
Earl Ellison	C. E. Layton	H. E. Satterfield
L. M. Grant	H. H. McKee	F. A. Whitted
A. R. Kahl		
1905		
H. N. Barrett	W. H. Kerr	
E. K. Belt	S. Miller	
R. P. Didlake	A. E. Peebles	
R. J. Greenwood	J. R. Wortham	
T. M. Hardy		
1906		
F. F. Ashby	H. A. Keith	Z. M. Scifres
G. H. Bell	N. A. Lago	R. E. Warden
O. E. Beyler	R. W. Rusterholz	C. A. Zuppann
1907		
	G. W. Heady	





Miruet Club.



MEMBERS

1904

F. T. Huston	H. A. Berthold
H. L. Walters	J. C. Good
H. S. Raschbacher	A. E. Loder
F. A. Whitted	I. S. Osborn

1905

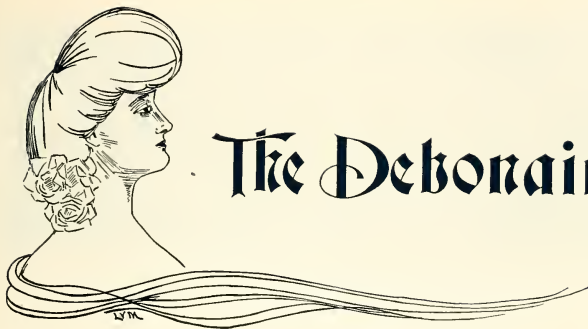
W. R. Elden	W. D. Hammerstadt
R. E. Woodruff	

1906

G. H. Myers	E. W. Fritsch
W. L. Clark	R. W. Rusterholz
G. H. Bell	F. S. Robbins
T. H. Johnston	W. A. Clare

1907

R. L. Hunter	E. H. Waterhouse
--------------	------------------



The Debonair Club.



MEMBERS

1904

W. C. Martin
H. B. Mitchell
W. L. Bridges
C. W. Abendroth
A. C. Beckman
F. E. Morrow
D. A. Lawver
J. F. Beckman
O. P. Goss
H. G. Morgan

1905

C. S. Smith
S. B. Lindley
J. Fred. Newnam
M. N. Hough
R. J. Teetor

1906

A. J. Haltom
E. H. Kothe
R. A. Rogers
F. J. Meldram

1907

E. R. Pierce

W. C. Carson



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Vice-President	TARLTON KENWORTHY
Secretary	W. W. TAGGART
Treasurer	F. C. BANTA
General Secretary	R. R. SERVICE

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D. P. BALDWIN, Vice Chairman	Logansport
G. A. YOUNG, Treasurer	Purdue
PROF. T. F. MORAN	Purdue
HON. J. W. NOEL, '93	Indianapolis
W. D. VATER, '94	Albion
H. E. SATTERFIELD, '04	Lafayette

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Religious Meetings	TARLTON KENWORTHY
Bible Study	J. L. DERKINDEREN
Missionary	J. C. MARQUIS
Membership	E. C. SALISBURY
Social	H. D. MCCASLIN
Advertising	W. W. HADLEY
Finance	F. C. BANTA



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 Vice-President JAMES WILLIAM NOEL, '92
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 Treasurer PAUL WILLIAM COVERT, '95
 Secretary HENRY GRANDISON COX, '95
 No. 205 East 11th Street, Indianapolis, Ind.

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 Vice-President MACY S. GOOD
 Treasurer ELBERT FAYETTE NORTON, '92
 Secretary PERCY HAIGHT BATTEN, '98
 No. 5140 Madison Avenue, Chicago, Ill.

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President JUSTIN EMIL GRIESS, '96
 Treasurer AUGUST LOUIS FLANDERMAYER, '00
 Secretary SAMUEL EWRY FOUTS, '92
 New England Building, Cleveland, Ohio.

LOCAL ASSOCIATION OF PITTSBURG

President EDWIN NASON OLIN, '94
 Vice-President WILBUR HAYES THOMPSON, '98
 Treasurer CLIFFORD G. BRANIGAN, '00
 Secretary THAD DORSEY HALL, '98
 No. 427 Rebecca Street, Wilkensburg, Pa.



Established 1900

OFFICERS

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Vice-President	R. G. AVERILL	Librarian	CARL D. SMITH
Warden	R. E. WOODRUFF		

MEMBERS

Professor T. F. Moran Professor J. R. McColl

1904 •

W. W. Bean, Jr.
R. S. Dawes

H. A. Hutchins
S. L. Pierce

M. C. Goodspeed

1906

F. S. Calkins
J. B. Powers

B. C. Ramson
W. L. Clark

1905

R. G. Averill
A. L. Burrige
J. E. Fisher
W. H. Patterson

W. E. Russell
C. D. Smith
C. C. Kirk
L. T. Closterhouse

R. E. Woodruff

1907

F. J. Herring
C. L. Hinkley
L. E. Kephart

M. B. Moss
W. R. Renwick
G. B. Walker

H. E. LaBour

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TEXAS CLUB

S

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OFFICERS

President	J. J. STEVENS, JR.
Vice-President	J. R. WORTHAM
Secretary and Treasurer	ANNA M. THARP



MEMBERS

J. W. Cain	Anna M. Tharp
A. W. Connor	C. C. Washington
G. W. Jalonick	F. W. Wilkerson
F. E. Lister	H. A. Wortham
A. H. Oelkers	J. R. Wortham
E. O. Quinn	Sidney Hetherington
J. J. Stevens, Jr.	R. F. Hetherington
Lewis Terrel	R. M. Dunham





Colors
Green and White
Flower
McKinley Carnation

OFFICERS

President	G. E. CROFOOT
Vice-President	I. S. OSBORN
Secretary	W. S. HALL
Treasurer	G. W. HOFMANN
Custodian	R. W. GILBERT

EXECUTIVE COMMITTEE

G. E. CROFOOT
P. v. A. DISERENS

H. S. BENEDICT

HONORARY MEMBERS

Professor A. M. Kenyon
Professor John Heiss
Captain F. H. Albright

MEMBERS

J. H. Arnold
H. S. Benedict
W. B. Booth
J. L. Bradfield
J. E. Breese
J. R. Brown
G. E. Crofoot
H. E. Coburn
E. F. Clark

J. C. Dettling
P. v. A. Diserens
C. J. Feclheimer
J. Gettrust
R. W. Gibert
W. S. Hall
G. W. Hofmann
W. Kier
H. W. Merkel

M. J. Neely
I. S. Osborn
W. M. Outcalt
C. H. Park
C. J. Peck
L. Perkins
S. R. Robinson
W. C. Ruggles
G. H. Sage

C. J. Schmitt
H. A. Strong
I. E. Titus
C. L. Tangeman
J. R. Whitehead
T. Whitehead
F. C. Weber
F. W. Willey



OFFICERS

President	GEORGE HAVENS
Vice-President	H. M. WALMSLEY
Secretary	W. F. VERNER
Treasurer	E. P. DUDLEY

MEMBERS

1904			1905
D. S. Brown	Geo. Havens	F. W. Johnson	J. B. Lowenstein
R. C. Canterbury	W. B. Hartman	H. A. Johnson	S. M. Post
W. R. Davis	L. J. Kirby	J. P. Kemmerer	H. M. Walmsley
E. N. Farkas	J. G. Van Zandt		
1906			1907
H. M. Barnard	R. W. Rusterholz	E. P. Dudley	G. W. Hewitt
A. K. Barnes	H. E. Borger	C. A. Esslinger	A. F. McKee
J. R. Clark	P. C. Seyl	E. N. Esslinger	C. R. Moore
L. C. Dewey	J. B. Thiess	W. J. Holmes	G. C. Morgan
G. C. Hyde	W. F. Verner	S. W. Widmer	
C. A. Kurz	W. E. Webbe		



THE UNIVERSITY CLUB



OFFICERS

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 Vice-President.....DR. P. N. EVANS
 Secretary-Treasurer.....PROFESSOR H. E. VANNORMAN

PROGRAM COMMITTEE

PROFESSOR PENCE.....DR. COULTER
 MISS MILLSPAUGH

INVITATION COMMITTEE

PROFESSOR ALFORD.....PROFESSOR AYERS
 PROFESSOR LUDY

ENTERTAINMENT COMMITTEE

PROFESSOR BURRAGE.....PROFESSOR FERMIER
 PROFESSOR C. M. SMITH

HOUSE COMMITTEE

PROFESSOR TURNER.....MISS MILLER
 DR. ARTHUR

The Club was organized in 1896. The membership is limited to the members of the instructional corps, the Experiment Station staff and the office force of the University. The purpose of the Club's organization is to afford opportunity for occasional meetings of a literary and social nature. At some of these meetings friends of the University are invited to be present, while others are limited to the members of the Club.



Society



SENIOR PAN-HELLENIC BALL

Sigma Chi Hall, March 18, 1904

COMMITTEE

ROBERT F. HIGBEE.	Sigma Chi
WILLIAM HARTY	Kappa Sigma
LOUIS D. WALDRON	Sigma Nu
CHAS. S. RAUH.	Phi Delta Theta
IRVIN E. ARTZ.	Sigma Alpha Epsilon
ARTHUR R. BRADLEY	Phi Kappa Psi
OSCAR E. THALEG.	Phi Gamma Delta
LEWIS TERRELL.	Beta Theta Pi
SAMUEL G. CLIFFORD	Phi Delta Theta

CHAPERONS

Dr. and Mrs. Coulter Dr. and Mrs. Ellis
 Professor and Mrs. McColl

JUNIOR PAN-HELLENIC DANCE

Sigma Chi Hall, April 4, 1904

COMMITTEE

W. J. O'BRIEN.	Sigma Chi
W. L. ROBINSON.	Kappa Sigma
J. H. LAMBERT.	Sigma Nu
WALTON VAILE	Phi Delta Theta
W. H. PATTERSON.	Sigma Alpha Epsilon
S. E. GATES	Phi Kappa Psi
LEE PERKINS.	Phi Gamma Delta

CHAPERONS

Mr. and Mrs. George L. Mueller Mr. and Mrs. J. L. Van Natta
 Professor and Mrs. J. R. McColl





SOPHOMORE PAN-HELLENIC DANCE

Sigma Chi Hall, April 22, 1904

COMMITTEE

REGINALD W. HUGHES.	Phi Delta Theta
CHRISTIAN A. KURZ.	Sigma Chi
FRANK W. WILLEY.	Beta Theta Pi
DEAN K. CHADBOURNE.	Sigma Alpha Epsilon
EMMETT HALL.	Phi Gamma Delta
RAYMOND S. WILE.	Sigma Nu
J. BROOKS EMORY.	Kappa Sigma
H. MORGAN NICHOLS.	Phi Kappa Psi

CHAPERONS

Professor and Mrs. McColl	Professor and Mrs. Beckett
Mr. and Mrs. Geo. Mueller	

OFFICERS' BALL

Given by the Commissioned Officers of
Purdue University Cadet Corps

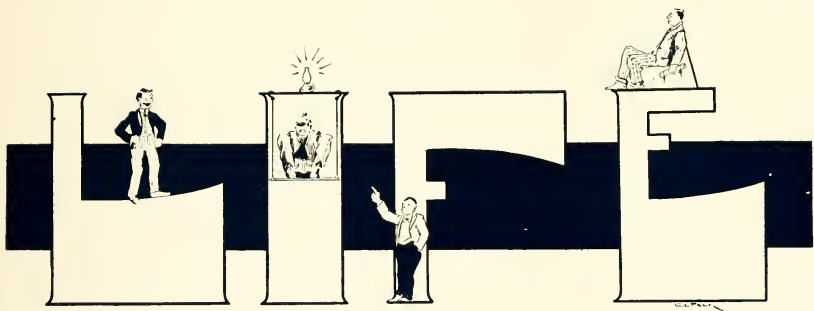
Griffith's Hall
February 10, 1904

COMMITTEE

Cadet Captain.	A. E. LODER
Cadet Captain.	H. A. BERTHOLD
Cadet Captain.	LEE PERKINS
Cadet Captain.	H. G. RASCHBACHER

CHAPERONS

Dr. and Mrs. W. E. Stone	Captain and Mrs. F. H. Albright
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THE CLASS STATISTICS



AS THE balmy breezes and the bursting birds announced the arrival of spring and the close of the college year of 1903-04, there arose in the heart of Old John Purdue a desire to investigate the welfare of his earthly beneficiaries. So, wending his way o'er the streets of gold to the office of the great accountant, he inquired of the chief recorder what news the good book contained about the great school which bore his earthly name.

St. Peter wearily took from the shelf a gold-and-black-bound volume, scanned its pages, and at length remarked:

"Thy beloved University is indeed progressing grandly, John. It will shortly graduate the largest, the most aggressive, the most popular and the most patriotic class that has ever departed from its walls. I find on the record that it has 199 members, or 237 all told, counting 38 Pharmics. I see also that they have, in general, studied with a purpose, for four-fifths of them will follow the work for which their course prepares them. Of the other fifth 15 will be teachers of men, 4 railroad presidents, 1 president of the United States, 6 doctors, 2 housekeepers, 1 clodhopper, 4 manufacturers, 1 lawyer, 1 journalist, 1 capitalist, 1 salesman, 1 contractor, 1 confidence-game man, and 18 who know not whereby they shall earn their bread."

"Um-hum," responded John, thoughtfully, "and how do they stand on religious, business, and political questions, and so on?"

"Sad to relate, the majority are on Satan's side of the balance sheet at present, with no religion to their credit. Every religion from Methodist to heathen is represented among the balance; more Methodists than Baptists, more Baptists than heathens, more heathens than Presbyterians, and so on. I find also that they have taken active interest in all of the phases of their college life. Football, baseball and skating have been their favorite pastimes. Most of them had no favorite study, but others, it seems, have included every study—girls, human nature and the *Saturday Evening Post* being among their respective favorites. Forty-six are Democrats, while 133 belong to the G. O. P., the balance being Prohibitionists and mugwumps.

"Are they, indeed, low in moral standard?" inquired John, anxiously.

"No-o-o, though they are much given to slang and bad English in their speech. Every expression from '!!!' to 'dad burn it!' is chalked up against them. I see also that 206 of them play cards, 137 billiards, 152 smoke, 26 chew, 92 drink, 194 swear outrageously, 192 dance, 45 are engaged, 5 are married, 55 are going to be, 47 are not going to be, and 135 are doubtful. Very good, indeed, compared with the nutty class that preceded them. They have not been spendthrifts, either, their average yearly expenses being (1) \$301, (2) \$325, (3) \$371, (4) \$460."

"They have attended well to their tasks?"

"Yes, but 49 have been called before the absence committee. Although in the four years 101 have been conditioned, only 43 have been on probation, and but one sent home. Three of them have never cut classes, and I see Satan has filed a claim for them, but I have ordered built a splendid golden chariot in which they shall ride, wearing upon their heads the triple-starred crown of the faithful, and have prepared for their reception at the golden gate, this message: 'Well done, thou good and faithful student. Thou hast been tight when thy colleagues were frivolous; I will make you ruler of my tight wads. Enter thou into the joys of this inheritance.'"

"Are they old in years?"

"No, rather below the previous averages, only 23¼ years, the youngest being 19 and the oldest—the oldest—um-m-m—the fellow has refused to tell his age—probably about 30. In general it is a well-built class, too, the average height being 5 feet 10 inches, while the average weight is 153 1-3 pounds."

"You say they have been loyal to their class and to the school?"

"Yes, although the *Exponent* manager blushes when questioned about their subscriptions."

"And aggressive, you say?"

"Yes, 64 of them have jobs in sight, 24 have supported themselves entirely—one entirely when sober—and 49 have partially supported themselves—by use of a cane."

"So you consider it a good class?"

"Yes, far above any that has ever before left the college walls. But I must hasten to the Golden Gates to receive the souls of three of their dead ones, Walter Hinesley, Burton Cronkhite and George Jenkins, who have this day departed their college life, dying of non-payment of class dues. Here, John, are the papers in which are recorded in their own words the account of the class election which came off but yesterday. Make yourself comfortable and read at your leisure."

So John, as St. Peter hurried away, seated himself in the latter's office chair and perused the following account:

CLASS ELECTION

The Choosing of the '04 Celebrities Closes the Most Exciting Campaign in the History of Purdue University.

The annual campaign, closing with the election of '04's celebrities on April 1, was characterized throughout by an unusual interest manifested in the race for the prominent offices. As the election day drew near, the excitement rose to fever heat. Every school had two or more candidates in the field for each office, and in general stood by their party throughout. In some cases the tickets were badly scratched, however, and close finishes resulted, the election being often by but one vote majority.

For the office of the most popular girl which headed the ticket, Darby was an easy winner, Crane, two lengths in the rear, taking second money. McKinney, who was entered and backed by the Pharmics, finished third in the badly broken field.

"Skillet" blew the bunch at the very start of the most popular man race, and was never headed, Grant finishing lame, barely inside of the time limit. No money changed hands on this event.

For the handsomest girl, Darby was the favorite at the post, though the strong backing of Shearer by the Science School had forced the odds from 4 to 1 down to even money. Yager was a long shot at 100 to 1 and landed third, behind the favorite and her consort. The pretty little Phillie, Gertrude Miller, entered by the Pharmics, took fourth money.



Pap' Latta

The handsomest man ticket was the worst mutilated of the whole ballot, because of the "also rans" who voted for themselves. Out of the preliminaries, Clifford, Jones and Knapp qualified for the final and finished in the order named.

Every co-ed in the class entered the lists for the laziest girl event. Yager easily won out, although closely pursued by Crane. Darby ran well, but her popularity had turned her head and third place was as near to the coveted prize of the brass-headed hat-pin as she could land.

The Electricals sprang a dark horse in Ford for the laziest man, and roped in scads of the Mechanicals' money, through their heavy backing of McIntosh. The favorite took second, and the self-tieing shoestrings were divided between Middleton and Rauh, who tied for third place.

Crane, smarting from her defeat by Yager in the lazy girl race, ran scatch in the funny girl handicap and defeated her opponent handily. Darby again taking third through an attack of dignity. The funny man ticket was bitterly contested until the call of time. Miles, backed by the hard-working Electricals; Terrel, the Mechanicals' favorite, and Farkas, entered by the Civil contingency, were each but one vote to the good on the next in the order named.

For the most conceited girl, Yager won out, hands down. Shearer was her nearest competitor, but was barely in sight at the finish. Every co-ed in the class was entered in this event, but stood no show against the favorite. The Electricals carted off the ginger snaps in the most conceited man race, the invincible Ripley setting too hot a pace for the scorchers entered by the other schools and his own understudies. Kailer, Van Zandt, Kirby and Marquis put up game sprints at the finish.

In the contest for the most skilful ponier, however, the Mechanicals had it all their own way, taking first, second and third. Artz, the favorite, with odds of 100 to 1 offered and no takers, won in a walk, on his thoroughbred mount. McIntosh and Ellsworth were given second and

third on the time limits, Rosenstock and Darby being flagged at the quarter pole.

The biggest sport and biggest fake sport races were both one, two, three, for McIntosh, Rauh and Wood. The biggest bluffer ticket presented a long list of candidates, out of which Kriebel, by virtue of wind power, won the rubber ball (first prize), McIntosh, the top (second), and Ripley, the jews-harp (third). Bean and O'Brien, the Civils' candidates, tied for fourth place, and Marquis brought up the rear of the leading bunch.

For the most dignified senior, Grant with his Y. M. C. A. smile, proved a stumbling-block to the Electricals who were pushing Heron, the latter finishing badly winded in second place. Parson Gates, Babcock, Clifford, Berthold and Cline ran for effect and were distanced.

Clifford, however, was easy money when it came to the neatest man, Waldron and Thaleg getting to flip for the can of baby powder as second prize. Skillet was nominated and would have been placed if he had only had on his glad rags.

McIntosh again bowdied the highest score in the biggest liar ticket, and won the joke book. Pierce and Ripley were next in order, although desperately pressed by Crow, who was backed by the unanimous Science vote, and Marquis, who was supported by scratched ballots from the Engineering vote.

Only one man had the nerve to enter the ring with Van Deuse for the hardest worker mill. Van's strenuous training showed up at the sound of the gong, and Bean, the steady goer, went down and out in two rounds. A great many had nominated and voted for themselves in this event, but none got support enough to get in sight of the champion.

Goda and Simons were the favorites for the meekest man race for the postoffice job. Holman and Banta lost through heart-failure, because a female bystander giggled.

Grant and Leslie bitterly contested the best all-round man dual meet, Grant winning by a narrow margin, through the support of the Mechanicals, who were doped into forgetting that he was not an athlete.

Osborn made by far the greatest number of touchdowns and kicked all goals in the contest for the football player honors; Leslie was second, with some long end-runs to his credit, and Riebel and Knapp put up a splendid defense. Leslie, having got fairly warmed up by this time, drove a four-bagger over the grand stand for his stunt in the best baseball player try-out,



Yes, we believe in girls' basketball teams

Ritter taking second with a three-base hit to center. Peck scored the highest individual count recorded in the entire election for the basketball medal, Knapp with his heady playing landing second.

Skillet again starred on the all-round athlete ticket, winning the combination P, while Peck carried off the P. R.

Evidently the biggest percent of the class recognized the power behind the pencil, and seeking to avoid personal damage through the editorial columns of the DEBRIS, voted for Herrick as the best literary man. Marquis got second through the support of the shorthorn vote. Hinesley, who ran on the mug-wump ticket, died during the election.

Out of a widely scattered vote, Grant showed up in the lead by a nose for the future most successful man, but lost out badly on the race for the honor of having done most for the class, Skillet winning out by two-thirds of the votes cast. Schwankhaus got all of the Pharmic votes for this place.

The biggest goat (independent) ticket proved Van Zandt to be the "strongest butter" in the class, with Longacre a close second, and Si Pierce third. It was discovered that Van had voted for Si Pierce and Si Pierce had voted for Van—a courtesy which was lacking among the other candidates.

The appended faculty ticket resulted in the following counts: Fermier cake-walked to the front as the most egotistical prof., his new stove-pipe hat being no negligible factor in the race, while Pence, through the support of the many friends he made while in office as Chairman of the Absence Committee, landed second. Esterline, Plumb, Hatt, Turner, Hoak and Evans were also rans.

Fermier's hat was again a hoodoo to his opponents on the most conceited prof. ticket, and he was again the cigar man, although Pence, having in the meantime conditioned 277 students for absence and edited a pamphlet on "Frogs' Legs," gave him a run for his money. Ferry and Moran started, but unfortunate punctures put them out of the race in a windless condition.

The entire faculty was entered on the biggest bluffer ticket, but Hancock led the field from the first quarter pole and easily won first. Mike, with his dander up because Waesche had broken his flunk record, got rattled and had to take the second place, while Goldsborough's pressure coil got short-circuited and left him with only the consolation prize to his credit.

Again, for the laziest prof., the entire faculty entered the arena, and again Hancock held the lead from the crack of the pistol, winning the first prize (awarded by Irving P. Church)—a bushel of knowledge about Mechanics of Engineering.* Seatone held the pace to the stretch and took second prize (a box of self-lighting cigarettes). Inability to keep moving lost the placing of some in the field.

Waesche was out for the office when it came to the prof. that had worked us the hardest, and won the pincushion offered as first prize. Plumb, backed by the Electricals with alternating-current topics and problems, landed second, while Green, handicapped by his market basket of killempicks, was third in order.

McColl carried too much superheat for the rest of the bunch of the easiest to work among the faculty, and easily won the blue-print picture of *Hiero's* steam turbine. Alford attempted to integrate his vote, but lost, through an interchange of limits, to Hancock and Heiss, who flipped for the sack of peanuts.

In the much-discussed vote for the most dignified prof. Hatt's supporters forgot to divide their calculation by 12 and so he won by that factor of safety over Goss, who was his nearest competitor.

For the most popular prof. Mike, showing every tooth in his head, and having no Freshmen to oppose his campaign, swept the field, Ludy and Moran only getting a look-in at the finish. Coulter, Kelsey, Reynolds and Doc Test were in the game from kick-off to call of time, but had no yellow dog to pace them and lost through lack of "pull."

"Very interesting reading," remarked John, as he laid down the paper and reached for his harp, preparatory to going. "From the fact that no mention is made of it, I infer that the Order of Unmitigated Asses has become extinct." "Still," he mused, "there's that class of 1905." And he shook his head dubiously.

*Suspected of being a sold race.



A close study of Mechanics—best way



THE LOCAL MAELSTROM

HAVING a somewhat venturesome nature, and being encouraged by the assurance of my friends, I decided to enter the ill-fated maelstrom. After having caught a first glimpse of its whirling, rapid motion, my desire grew day by day, until the fourteenth day of January, Nineteen Hundred and Four, saw me prepared to risk life or limb, if need be.

I was shot as from a catapult into the midst of the whirling, writhing mass. I was carried around and around. I was fast becoming unconscious of my surroundings. Everything became fused. All merged into an indefinite blur. On the one side appeared tier above tier of faces strangely familiar. On each was depicted a diabolical grin. They seemed to revel in my discomfiture. They gloried in my misery. On the other side was the vortex, apparently a whirlpool center, in reality a calm.

High above the roar and the rushing, grinding sound, came to my dazed brain the sound of two bells. The whirlpool ceased its maddening revolutions, but my acquired impetus carried me forward like a shot. The current reversed and indistinct objects seemed to meet and pass me as I was still plunged forward. The crisis was coming. I knew it. It came. I felt it. An object of mingled arms and legs arose immediately in my path. My orbit was fixed. My speed became accelerated, my momentum increased, and with a dull thud we met.

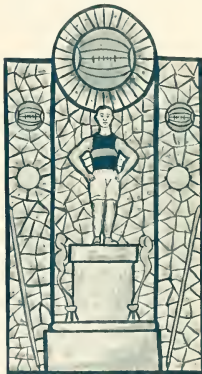
I was dimly conscious that I was being dragged from the clutches of the dreaded maelstrom, but only came to earth again when I attempted to stand alone. I was not myself again until some friends had helped me remove—a pair of roller skates.

“ROOMS TO RENT”

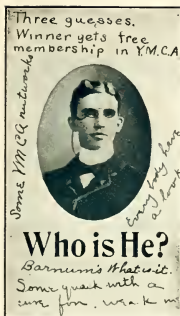
Oscar H. West is president of one of the numerous “hash houses” in Snoddyville. At the time of this narrative he had just procured a dazzling new pair of corduroys of the most approved “peg-top” style.

It was at dinner time and his hungry patrons were addressing themselves to the bread and potatoes and other standard articles on the West Lafayette boarding-house bill of fare. Something went wrong, however, necessitating a trip to the kitchen on his part in order to administer some criticism to the minions of that unknown region. Of course the corduroys accompanied him.

Either West failed to exercise his wonted diplomacy, or else the K. M's were especially unruly that day, for his call-down failed to impress the ladies of the cuisine very strongly; in fact, so little effect did it have that one of the said females had the temerity to attach to the voluminous trousers, with the aid of a bent pin, a large sign bearing the legend, “ROOMS FOR RENT,” while their owner



Design of a stained window for the Sigma Nu house



By the way, was this baffling mystery ever solved? Seems to us we remember something about old chapel, 545 P. M. Sunday, in connection with it, but did everybody crowd up to old chapel to see the thing when it was exhibited?

maids in abbreviated attire. Bones immediately fell a victim to the sweet smile of the star beauty, and nothing would satisfy but that he must have her fair presence gazing down upon him from the walls of his room. With the aid of a few boulders and a large amount of artistic profanity, he managed to worry off a section probably ten feet square, just a convenient size to handle and just large enough to cover one wall of his room.

The journey of this part of the billboard to Bones' room must forever remain a secret, for only the double moon and Bones know how it was made. The moons never have spoken about any matter heretofore, so information from them can not be obtained, and Bones has only a hazy recollection of the evening.

That it did reach Bones' rooming place can be proven by the other inmates of the house, who were awakened about 3 a. m. by a deafening racket on the front porch. On rushing down to investigate they beheld Bones gravely trying to pilot a ten-foot billboard through a seven-foot doorway. In spite of his earnest explanation of his artistic ideas, told in an attitude of swaying dignity, his heartless housemates ruthlessly hurried him upstairs and put him to bed.

Outdoors the girls in the abbreviated costumes continued to smile up at the moon.

was engrossed in an argument with her colleague. After displaying some ill-temper, the hero departed for the upper regions of the dining room, totally unconscious of the liberty which had been taken with his apparel.

He had no sooner entered till he was greeted with a shout of laughter, which he, in his offended dignity, disdained to notice. Throughout the rest of the meal he was the target of gibes and cutting remarks, in which the real cause of mirth was, however, carefully concealed. To all these he exhibited an apparent indifference, though the warmth of his temper increased materially. It was not until he had gone to his room that he discovered the real cause of the levity at the table.

It is stated on good authority that West contemplates putting in a speaking tube connecting dining room and kitchen, and that pending the installation of this arrangement, the kitchen mechanics are left to conduct their domain as suits their own sweet will.

A NEW IDEA IN ROOM DECORATION

Few people realize what a highly developed sense of the artistic Bones Middleton possesses. His ideas with regard to room decoration are especially fine and refreshingly new. To illustrate:

Late one evening, or rather early one morning, after a hot time with the boys, Bones was pursuing his meandering way across the levee. Near the foot of the hill, lit up by the light of the two moons he had seen zigzagging across the heavens, was a large billboard covered with life-size representations of fair



Ferry and his little pony
(and head).



THE NEW MOTHER GOOSE

When good A. M. did rule the class
He ruled it like a king;
He flunked the men and tutored them,
And thus made his living.

Sing a song of Ferry,
Smith and all the rest;
Four and twenty Sophomores
Taking a flunk test.
With their horses ready,
They played their little game;
Think how they worked those noble
men!
It was a beastly shame.

Artz, Artz, the rich man's son,
Jumped on a horse and away he run.
He rode each hour and he rode each day,
He rode and he rode and he rode away,
Until he became, O, me! O, my!
Wilbur Scholar in Tau Beta Pi.

There is a fair lady
Who lives at the hall;
She has so very many girls
She scarce can care for all.
So she scolds them quite often.
In fact, makes them know
When the Hall clock strikes ten,
All callers must go.

I love little Tommy
His smile is so warm,
And if I but study
He'll do me no harm;
But his book I must buy,
And buy it to-day,
Or Tommy will flunk me,
And that right away.

Simple Freshman met a Senior
Going to the show;
Said the Freshman to the Senior:
"Can't I also go?"
Said the Senior to the Freshman:
"Show me first your penny."
Said the Freshman to the Senior:
"Young has it, I haven't any."

AMBITIOUS

A conversation between a Freshman and Professor Young:
Freshman—"I want to arrange for taking Steam Engine and Boilers."
Mr. Young—"What class are you in?"
Freshman—"I am a Freshman."
Mr. Young—"Have you any credits?"
Freshman—"I have flunked in two subjects and my schedule won't allow me to take any Senior or Sophomore work, so I would like to take Steam Engine and Boilers."
Mr. Young—"Come around in two years and we'll talk over the matter."

WHITHER AND WHY?

I HAD been an alumnus of Purdue for a number of years, when one evening I ran across an old copy of the catalogue for 1904. It was but natural that I should turn to the list of names of my classmates in the back part of the book, and spend some time in reading the names and recalling the faces and incidents connected therewith.

Feeling at last the necessity of release from the arduous study of the lives of SAINT AUGUSTINE and RICHARD MANSFIELD, I decided to quit my GARRETT and DODGE my BILLS (land how many with but a NICHOL in my pocket). I hastened to COOK my last PECK of HARDY BEANS, packed my last clean COLLAR in my CASE, and left the town for GOOD, for I knew that in the BROWN FIELDS near the WOOD I could HYDE from the cussed RAUH that would surely be raised as soon as my absence was discovered.

Ere LONG I was beyond the ringing of the infernal BELL, and had come to the BRIDGES which spanned the sluggish stream, when to my discomfiture I found the rusted GATES were closed. To KAHL to the PORTER would be to disclose to that unprincipled gossip my presence in the neighborhood, and though I had tightly drawn my HOOD I feared he would PIERCE my disguise. Therefore, believing discretion the better part of valor, I turned along the WEST bank seeking a rocky FORD, where by the aid of a STONE or two I could pass in safety.

It seemed to me that I had gone for tiresome MILES before I found the possibility of a crossing, and then it was only by forcing my way beneath the flooring of some dilapidated MILLS, where an open eye was sure to be plucked by a REED of the many growing in the MOORE, which lay about the MOSSed and rotting piles. It was my hope that secreted in the MARSH somewhere about this scene of confusion I could find a boat or raft in which I could ROWE to the opposite bank, looming dimly in the fast fading light. The god NEPTUNE was in full power this night and decreed these noisome waters sacred. No craft could there be found.

You will GRANT, that worn and weary as I was, I eagerly sought some place of seclusion where I might, without disturbing a solitary CRANE or HERON, which might be stilted there asleep, re-CLINE and KNAPP until the croaking of a CROW or the breaking of dawn would apprise me of the MORROW.

In the early morning I awoke, and you can imagine what an awful dream I had had.



The Debris Confidential Guide to the Theaters

A LADIES' HALL RECEPTION

Crow has caws for bad language

(A Comedy in one act.)

Scene—Reception Room, Ladies' Hall.

Characters—Warder Crow, supported by Misses Sims, Hunter, Marshall and McLaughlin.

Time—8 p. m.

Overture—"There'll Be a Hot Time," etc.

Piano solo by Miss Sims.



Enter Misses Hunter, Marshall and McLaughlin. Excited conversation in undertone. Ring at door. Warder announced.

Hasty scattering of conspirators; Miss Hunter behind piano, Miss Marshall and Miss McLaughlin behind settee, protected by cushions. Miss Sims makes hasty exit, after placing a chair for Warder with the back to piano and settee.

Grand Entrance Warder

(Subdued giggle from behind piano.)

(Enter Miss Sims.)

Usual fib about being delighted, etc. Miss Sims

Spluttered expression of joy Warder

(He is piloted to a chair reserved for him. Hand waved at Miss Sims from behind settee.)

Convulsive giggle Miss Sims

Splutter and uneasy wriggle Warder

Embarrassing pause Both

Warder—"Excuse me, Miss Sims—that is forgive my presumption—er—if you will overlook my boldness—(series of inarticulate splutters)—I've borrowed Satterfield's lecture course ticket and my roommate is going to loan me his, and I thought—that is—(splutter)—you might like to go to the lecture with me next Friday. (Sigh of relief.)

Miss Sims (crosses fingers)—"Oh, Mr. Crow, I'm awfully sorry, but you see my brother has asked me to go and as he is such a peculiar boy I couldn't break my engagement with him." (Miss Sims is an only child.)

Vivid blush, inarticulate gasp and splutter. Warder (Whispers from behind settee)—"What a whopper!"

(Subdued groan from behind piano as Miss Hunter finds the floor getting hard and quarters cramped.)

Stale Joke Warder

Failed to see point Miss Sims

Detailed explanation Warder

Forced smile Miss Sims

Abiding silence Both

(Hands waved from behind settee.)

Giggle Miss Sims

Dazed look Warder

Renewed attempt at ancient joke Warder

Renewed failure to see point Miss Sims

Renewed elaborate explanation Warder

(Highball from behind settee for Miss Sims to send Warder away. Uneasy stirring behind piano.)

Heartfelt whisper—"Wish he'd go" Miss Hunter

Failure to move Warder

(Miss Hunter's head poked from behind piano. Warder sees it.)

Dull thud. (Warder drops.)

Peep behind settee and piano Warder

Report of discovery to Miss Sims The same

Astonishment and expression of deep grief at such treatment from the girls Miss Sims

Forgiveness and sympathy Warder

(Exit Warder)

(Miss Hunter hauled from behind piano and walked about to aid circulation; Miss Marshall tries to awake a sleeping arm.)

Appreciation of funny side Miss Sims

Failure to see joke Rest of the girls

Naughty words floating in from the outside. . . Warder

(Curtain.)



TO WHOM IT MAY CONCERN

While idly rummaging in the third drawer from the top of the Bureau of Forestry, there was found a copy of the following letter. Since it has a direct bearing upon the results obtained in one of the Senior laboratories in this University during the last year, it has been thought well to present it for more general inspection.

WASHINGTON, D. C.

To the Right Honorable Kendrick Hatt, in Charge of Destructive Laboratory at Purdue University:

Sir,—We, the undersigned Committee upon Forestry Reports do herewith submit for your perusal the following criticisms of tests conducted recently in your laboratory upon trees of various kinds. We wish especially to call your attention to the results obtained upon the following specimens:

(1) Whiffletree—These samples were not broken, as we desired, and we therefore ask that, upon the fresh lot which we send, you will try a little harder. Should your horse power be insufficient you would do well to try a pair of asses, if as is probable, you have such in your department stables.



"Happy" will be just as much surprised as you are when he sees this picture, for he hadn't the slightest idea that there was a camera near, when he performed this stunt, and don't know yet how it was taken.

(2) Crosstrees—We also ship a few more samples of this kind that you may pay especial attention to the temper. As is usual with this variety the grain is far from straight.

(3) Familytree—Your report upon this lot leads into many branches. We admit that the samples may have been rather full of hard knots. From a second reading of your report we see conclusively that they were not holes.

(4) Uppatree—Finally

your Uppa tree in the report gives evidence of having received the closest attention. We believe that had this been the only variety sent you the report would have been accepted as perfectly satisfactory.

In conclusion we request that you either keep these tests under your close supervision, or obtain men who are thoroughly competent to take charge of the work.

(Signed) { P. U. SENIOR, Chairman.
E. Z. JUNIOR.
SOPHS R. KUMMING.



RAILROAD WORK

Professor Pence was examining the grades for the first semester, preparatory to sending them to the registrar's office. He noticed that Waesche and Seastone had distributed "A's" quite generously, and the "C's" were not frequent enough to suit him.

"Aha," he remarked, "we will just revise these grades a little."

Having made a special study of grade revision during his extended railway experience, he was fully equal to the task before him.



THAT IS, CORDUROYS

Osborn—"I move we have some kind of a function, and every fellow wear his pants."



THE ADVENTURE OF PROFESSOR BURRAGE ET AL. AND THE STOVE



THE class in Sanitary Engineering was making an inspection of the reservoirs on Oakland Hill. Professor Burrage was deep in a learned lecture on rotifera, entomostracan crustacea, and other important and interesting topics, while Osborn related a story to a group of half a dozen, and the balance of the class amused themselves by throwing sticks in the water. The professor had just reached a climax in the discussion of the convolvulid algae, when he was interrupted by a small voice.

The speaker was a chubby little girl of perhaps ten years, whose dress and general unkempt condition, together with a slight foreign accent, indicated that she belonged to the "submerged tenth."

"Do any of yez want a job?" she inquired, panting for breath, as she had been running.

"Yes," came a chorus of a dozen voices, including Burrage's.

"What is it?" asked the professor.

"W'y, we're movin' from that house over to that un, and we want four strong men to carry the stove over," she replied.

The consternation that followed was unspeakable. Each member of the class tried to get behind some one else; Overbeck took refuge behind a broad grin, while Burrage made himself so small as to be scarcely visible.

Apparently despairing of getting any assistance from the group before her, the girl vanished as suddenly as she had come.

The incident cast a gloom over the rest of the trip, and so disturbed the professor's equanimity that he twice referred to desmids as bacteria, and once stepped into water over his shoe top while filling a beer bottle with a sample of the water.

At the end, however, as the class stood at the street corner waiting for a car, Burrage remarked:

"What shall we do, take this car, or go over and help the girl with her stove?"

The class laughed, but a few who had been taught to read the Sunday School Advocate in their youth feebly advised:

"Go over and move the stove."



The Debris Confidential Guide to the Theaters

So Burrage, followed by Whitaker, Overbeck and Goodhue, trooped over to the house, Burrage wearing an expansive smile, thinking of the good example he was setting the students; Whitaker comparing himself with the Good Samaritan, and wondering vaguely whether this benevolent act he was about to perform would increase his chances of entering the pearly gates; Overbeck and Goodhue going along to see the fun and incidently give a lift on the stove.

Burrage boldly knocked on the door. After some scuffling in the interior the door was opened by the little girl. "Was there something you wanted moved?" inquired the professor, blandly.

Receiving no answer he stepped inside, followed by the others. The room was rather dark, the windows being for the most part stuffed with rags. The chairs and the table were grimy and rickety, the bare floor was littered with trash of one kind and another. The occupants of the room were a couple of ragged, slatternly women, each with a child in arms; a middle-aged man, and a half dozen children in various conditions of dishabille. Everywhere was dirt, dirt, dirt; while an odor greeted the nostrils of the adventurers which caused the same facial expressions which they are observed to wear when testing a culture of *bacillus coli communis*.

"Where is the stove?" inquired the professor, looking about rather dubiously.

For answer one of the women pointed to the cook stove, one of those big, cast-iron, ten-ton affairs, containing a fire and almost red-hot!

The three noble followers ignominiously vanished through the door, leaving the professor to face the situation alone.

"I—I—I'm afraid it's a little too warm to handle," he stammered.

"Oh, no, we put the fire out, no take long to cool," answered the woman.

"Well, but we—er—I'm afraid—er—that is, we won't have time to wait," he argued.

"But so many, and so strong," continued the woman.

"But I'm afraid—ahem—I couldn't handle it alone, you know," gasped the professor, observing with relief that he was alone. And to avoid further discussion he hastily backed out of the door and joined the smiling trio on the street.

"Of course, we won't let on to the other fellows but what we moved the stove, all right," some one observed, and silence gave consent.

It might be added that they waited for a half hour for the next car, as the cars were running with their usual frequency on the Oakland line that day.

As for the rest of the class, they had gone to the matinee, where, in the words of Nichol, they had a "h—h—h—howling good time."



Three Guesses—Who Is It?

A RECITATION ON ELECTRICAL POWER TRANSMISSION

Guaranteed to be an Exact Account in Every Particular



Design of a stained window for the
Kappa Sigma house

THE class enters and distributes itself about the room in comfortable positions. Professor Kelsey enters, and, after performing his usual stunt of throwing Professor Plumb out, calls the roll and starts the ball rolling.

"Now, Bradbury, tell us what you've learned about pole-setting out of that nice, new, four-dollar-and-a-half book you've got there."

Bradbury gasps in surprise and indignation at being the first victim, but eventually begins to mumble unintelligible statements, whereupon Kelsey, seeing that he means well, seizes a piece of chalk, makes a lightning sketch of two crooked telephone poles, and finishes Brad's recitation for him.

"All right. Now, Campbell, your record looks like the deuce; here's a chance for a star play. How much would you tax the company for digging holes six feet deep?"

"About five plunks per hole," ventures G. M.

"Ah, Lord, you'd lose your job," groans Kelsey.

"By the way, gentlemen, never argue with a Chicago woman about digging a posthole in front of her gate. See that scar on my head? And now, Davidson, suppose you tell us how the best conduit systems are put in."

"Um—ah—um—what did you say?" mumbles Davie, being suddenly recalled from dreamland by a neighborly punch in the ribs.

"I've lost my book again, professor," he adds soberly.

"'Nother levee driller," mutters Kelsey. "Harris, it's up to you to redeem your gang. Tell us about the Terra Cotten Duck System."

Harris spouts out the remarkable information that it "looks like macaroni."

"Say! I've got a question," sings out Ripley. "How do the rabbit-earsextinguish the arc in a magnetic blow-out?"

Kelsey yawns and replies, "Search me, I never went to Germany and studied those fancy finishes. Anyway its these practical points you're flunkin' on. This class record looks like a hen's nest. I'm going to bump some of you in the neck if you don't get busy. Now, Johnson, what's the objections to the Balogy conduit?"

"Rats get in it," says Alva.

"Good," says Kelsey. "I knew of a case where rats stole all of the soap in a store and hid it in one of these conduits, and the lines got so slick the electricity fell off. Here's a problem for you, Ripley. If ten rats, with an appetite of four bars of soap per rat, can steal sixty bars of ivory per hour, how long will it take all of the rats in Doc Stone's attic to plug up the manhole of a Valentine conduit? Use all the rats at once, all the soap in Lafayette and work them ten hours a day. Take out time lost in lickin' Katie Golden's yaller pup and waiting for somebody to fish faculty-jags out of the hole."



Ripley obediently commences a series of maneuvers on his slide rule, which Kelsey eyes suspiciously and audibly wonders "how many wiring tables he's got on that horse?"

"While he's getting wise on that, tell us what the tree system of lighting is, Karchoff."

The Bulgarian grins and ventures the reply that it is "the kind they light Christmas trees with."

"Not on your latest," grunts Kelsey. "Tell him where to get on, Fechheimer."

Steinmetz covers the board with diagrams which only provoke the exasperated instructor into growling, "Another goose-egg, Fech."

Here Ripley interrupts with the information that there wasn't enough soap to go around.

Kelsey now discovers that the text-book has been "corrected" in several places by the "long-whiskered guys that studied it before our time," and springs the news as a fact originating with himself, whereupon Steinmetz redeems himself by proving the book correct in each case.

Without further comment, Kelsey, fearing somebody will ask him a question that will stump him, commences his daily closing spiel.

"Now, I'm going to give you fellows another test, next time (groans from the class) for I've got to earn my salary some way. This record book looks rheumatically, and you fellows are going to have to hurry if you get that lambskin tied up with the nice little blue ribbon when commencement day comes and all the spike-tailed faculty guys call you up and tie a tail on the end of your name. You know that's a sure sign of Johnny Wise nowadays. There's Bill Thompson, for instance. Invented some fool contraption and turned himself into Sir William Thompson, and another break made him Lord Kelvin. You can't tell who these lobsters with the long names really are nowadays without you put a tag on them. Take the Brooklyn Edison wire-pullers' system next time. You've got to know all about it before you get to graduate, you can bet your last spud on that. That will do for this morning."



AND THE SMOKES WERE ON ALEX

Alex Lindsay (searching for his seat in Poly Con after reading the assignment sheet)—"Where is Row A, Mr. Davis?"

Davis—"There are no rows."

A. L.—"Well, this assignment sheet says 'Lindsay, A 30!'"

Davis—"That A is your initial, Mr. Lindsay."



AN OLD GAG IN A NEW PLACE

Bess Hunter—"I've a notion to give him a piece of my mind."

Mary Sims—"Don't, Bess, you can't spare it."



Dictionary of College Slang

FACULTY EDITION

- Swellhead—Nye.
Hot Air—Golden.
Quicksilver—Davis.
A Frost—Topping.
Slow—McColl.
Bluffer—Coulter.
Mamma's Boy—Connor.
Sorehead—Turner.
Shark—Westlund.
Ragchewer—Moran ("as it were").
- Busy Lizzie—Waldo.
Easy—Madame Davies.
Cinch—Fluegel.
A Fizzle—G. A. Young.
Chin Music—Fermier.
A Dub—Garman.
Four Flusher—Ferry.
Ratty—Fuzzy Smith.



THE DEBRIS
PRESENTS
C. R. MISNER
IN HIS SENSATION
"THE SLEEPY KING"
STRONG SUPPORTING
COMPANY
ANY OLD TIME IN
POWER TRANSMISSION

M. [initials]

The Debris Confidential Guide to the Theaters

Bones and Si

Two souls without a single thought.
Two hearts that beat as one,
Two chews bit off the common plug,
Two mouths that work as one.
Bones' and Si's.

Two smokes rolled from the common sack,
Two lights lit up from one;
Two thirsts with but a single cure,
The Oak knows when they come.
Bones and Si.

Two beers upon the saloon bar
Two hands that reach as one,
Two voices that combine to keep
Bartenders on the run.
Bones' and Si's.

Next day two heads that ache and pain
And throb like kingdom come;
Two mouths that have that dark brown taste,
Two, sorry what they've done,
Bones and Si.

BEAN RUNS A RESTAURANT (Into the Ground)

NOW it came to pass, in our Sophomore year, that a certain man did set himself up in business in the Powers Block, even in a restaurant.

And there came unto him one Worthless, surnamed Bean, Jr. And he said unto him: "Behold, my name is Bean, and I am a great man among the tribe of Purdue students. Where I go, go they also; and whatsoever I do, do they likewise.

"Now, seeing that thou wishest boarders, I will go among my fellows, and persuading them, many will come to feed at thy joint. Moreover, will I also punch their meal tickets for thee.

"And thou shalt give me in return three square meals per day."

And verily the man was easy, for he said, "Let it be so." And it was so.

Now Bean had three roommates and they came to eat at the restaurant.

For they had just been canned from the club where they were wont to eat.

And time passed and Bean brought no others to be boarded.

And the restaurant man grew wroth, and he said unto Bean:

"Prithee, and where are the boarders the which thou hast promised me?"

And Bean answered him, saying: "Lo, are not here Ben Johnston, and Dodge, and Skunk Wallace?"

But the man said: "These be not enough." And he was still wroth.

And Bean answered him, saying: "Hast thou forgotten myself?" And he grew pompous and indignant.

And the man, being still easy, held his peace.

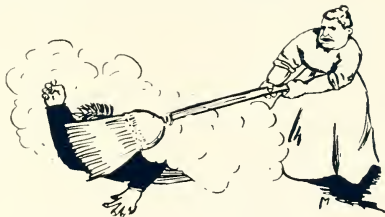
But he made no money; lo, he even went in the hole on the deal.

And he made preparation for a final bust-up.

And he held a bargain sale of meal tickets, even two tickets for five shekels of silver did he sell them.

And when he had sold all he could he did close up his shop. And many were caught in the squeeze.

And Bean ate the last meal in the joint. Selah.



Mechanics Illustrated—Friction

WHAT AN INCREASE!

Professor Hoffman, to Seniors in Heating and Ventilating (having worked out a problem, the result being 498 square feet of radiation)—"I feel that this result is too small; I think that we should use say 500 square feet."





QUOTATIONS FROM WELL-KNOWN AUTHORS

- Of surpassing beauty and in the bloom of youth.—*Clifford*.
 Come not within the measure of my wrath.—"Stubby" *Jenkins*.
 I can not tell what the dickens his name is.—*Sukichi Yoshisaka*.
 Even a single hair casts its shadow.—*Alfred White*.
 A liar among ladies is a most dreadful thing.—*Dave Herron*.
 His reasons are as two grains of wheat hidden in two bushels of chaff; you shall seek all day ere you find them, and when you have them, they are not worth the search.—*Berthold*.
 God made him, and therefore let him pass for a man.—*Hinesley*.
 Men of few words are the best men.—*Babcock*.
 I am not in the roll of common men.—*Julius Kirby*.
 Now by the two-headed James, Nature hath formed strange fellows in her time.—*Fechheimer*.
 Had I been present at the creation I would have given some useful hints for the better ordering of the Universe.—*W. W. Bean, Junior*.
 Love me little, love me "Long."—*Mary Roseberry*.
 It would talk,
 Lord, how it talked!—*May Thomas*.
 He had a head to contrive, a tongue to persuade, and a hand to execute any mischief.—*Misner*.
 A mighty pain to love it is,
 And 'tis a pain that pain to miss;
 But of all the pains, the greatest pain,
 It is to love, but love in vain.—*Warder Crow*.
 All mankind loves a lover.—*Lauson Stone*.
 Alas, the love of women! It is known
 To be a lovely and a fearful thing.—*Helen Darby*.
 A mother's pride, a father's joy.—*Frevel Harbaugh*.
 A prodigy of learning.—*Charles Ripley*.
 How much a dunce that has been sent to roam
 Exceeds a dunce that has been kept at home!—*V. V. Mitchell*.
 The very pink of perfection.—*Parson Gates*.
 Oh that this too solid flesh would melt!—*Earl Henley*.
 I am a stranger here below,
 Heaven is my home.—*Satterfield*.
 Company, villainous company,
 Has been the spoil of me.—*McIntosh*.
 I hear a voice you can not hear,
 Which says I must not stay;
 I see a hand you can not see,
 Which beckons me away.—*Kencipp*.

A WHEEL FROM THE HEAD OF A FAMOUS '04

"DID you ever think," observed Berthold, grasping his listener by the buttonhole and backing him up against the wall of the Dorm, while the latter shrank in anticipation of a touch for class dues, "did you ever think how there is a great principle underlying all successful inventions? No? There is, isn't there? Yes, there is. Well, now, look here.

"If you want to get out a successful invention, you have to think of something that everybody wants. You do, don't you? Yes, you do. Something that everybody thinks they have got to have as soon as they hear about it; something they can't get along without, don't you?

"Well, now, me, I've been thinking about this a great deal, and I've thought out a good invention. Seems funny, me, don't it? I don't know whether I ought to tell you about it or not: I haven't got it patented yet, you know. Well, I guess you won't tell anybody, anyway. Hey?

"Well, now, did you ever think what a fine thing it would be if we had something we could put in our food that would be just the opposite of salt? No? I never did, either, till about a year ago. Funny, ain't it? Something you know, that would taste just the other way from what salt does. It would make things taste not salty, you know. Antisalt would be a good name for it, wouldn't it? Yes, it would.

"Now, here, that'd be something that everybody would want, you know. Just think, now, yourself, in everybody's house there's always sometimes they get too much salt in the food, don't they? Well, now, if the hired girl got too much salt in the oatmeal, all you'd have to do would be to shake a little Antisalt in it, and it would be as good as ever. Pretty near always, you know, young married couples have trouble at first until the wife learns how to cook properly. Well, now, if she got too much salt in the meat you wouldn't have to throw it away or give it to the dog, just put on some Antisalt and there you are. Pretty good idea, ain't it, hey? They'd have it in every house, just like mustard or pepper. It wouldn't cost much, and there'd be a big profit in it.

"I've been thinking about it a good deal, and I've got it pretty near all worked out. The only thing I ain't

quite sure of is just what chemicals I'd use to make Antisalt, but that'd be a small matter. You won't say anything about it, will you? Pretty smooth invention, ain't it?"

At this point the chimes struck the hour for Mechanics at the fourth floor of the Dorm. Picking himself up by his boot-straps, Berthold neatly lifted himself to the top landing, and the DEBRIS reporter heard no more.



Before Taking



After Taking



ADVICE TO THE LOVELORN

Dear Miss Truelove:

I am a young man in the Senior class at college. I have tried hard while here to be popular with the girls. When I was a Sophomore I asked a girl to the Minstrels, a basketball game, and a concert, all at the same time. She refused and still treats me with coldness. They say clothes don't make the man, but after having had the best tailor broaden my shoulders, and buying a swell rain-coat I determined to try once more, and still another co-ed refused my invite to a concert. Please advise.

Yours in despair,

W-RD-R C-OW.

P. S.—I heard that I was going to get the vote for the biggest liar in the class. How can I get revenge?

W. C.

You certainly have done all in your power to make yourself popular. Probably it was heard that you had a girl at home.

P. S.—Buy the votes off, if money is no object.

Dear Miss Truelove:

I have spent \$8,000 while at college, and two girls are much attracted by my good looks and money, but I am afraid they will both have broken hearts. Please tell me what course to follow.

MC-I-T-SH.

Unfortunate man! If they still continue their attentions to you I would advise you to take a little trip to Chicago. They will probably soon forget you.

Dear Miss Truelove:

I am a college girl, young in years and experience, and I believe that I am false and fickle, but I can't decide which of two students I like the better. How can I decide?

EL-A SH-A-ER.

A library course might aid you. In case it doesn't follow the general advice—choose the best looking.

My Dear Miss Truelove:

Tell to me, O fairest lady,
Ere the sun its course has run,
Tell to me my heart's true yearning:
Oh, when will my lady come?

I loved her ere I knew her,
This fair jewel of earth's green bowers,
For she seems to me a "Ruby,"
More precious still than fairest flowers.

Spring returns and e'en the birds
Sing from aloft their finest trills,
And through the fields and o'er the meadows
Trickle softly brooks and rills.

'Tis the time of all true lovers,
And yet I feel the earth is cold,
For she shuns me; this lovely maiden,
Casts aside my love both true and old.

On the campus as I pass her,
Her cheeks change not to rosy red;
Her heart is cold, she loves another;
My last fond dreams are almost dead.

And so, fair lady, help me; can'st thou find
In that great heart of thine,
Comfort for me in affliction,
And alas, too, peace of mind.

W-L-ER H-N-SL-Y.

I fain would be poetic when I write to you this gentle missive. Be not cast down; look up, the sun still shines for poor down-cast mortals and gives fresh hope and life. It seems impossible the "jewel" could shun you. The best way is to write to her, she will appreciate poetry—they say all girls do. She may never know, but I await with eagerness the result of your trial.



Dear Miss Truelove:

My home is in the far West and I expect to return there soon. All through college I have called on several girls, but have made no advance with any one. I have the number down to two, but can't decide which is the right one before June. Is a post course advisable?

L. M-R--Y GR-NT.

Don't be too hasty in the matter. Read Hans Christian Andersen's Fairy Tales before deciding. If possible avoid being a post.

Dear Miss Truelove:

I have studied Human Body under Dr. Coulter, and have become so affected by it that I am afraid my heart is turning to Stone. Is there any danger?

H-L-N D-R-B-Y.

It is often difficult to judge at the beginning how serious the results of such a case may be. If the disease continues announce it to your friends so they may not notice your actions. To be watched is very annoying.

Dear Miss Truelove:

I am a Pre-Medic and always bow to the co-eds, but I can not decide whether or not I am a favorite. How can I find out?

D-V-D H-R-ON.

Where ignorance is bliss 'tis folly to be wise. Try not to be self conscious. Determine the date between the discovery of scarlet fever and scarlatina, and from these data determine how much virus it would take to vaccinate an elephant. This may take your mind away from your love affairs.

My Dear Miss Truelove:

My talents are many, my faults are none. I am tall and dark, and have an imposing presence; I am a Senior at college; I sing on the Glee Club and have marked literary talent. The girls ALL admire me, and one co-ed sought, yea, longed for my company to a literary meeting. But one I love, and only one. For her would I resign my hopes of being a prof, for her alone would I be a P. G., and for her have I spent my beloved almighty dollar that we might occupy the balcony alone at the basketball games.

I long to tell her of my love, but once, fair lady, I was on a debate and argued that Valentine's Day should be abolished. I couldn't send her a valentine, and I fear her affections are alienated. Send me hope as soon as possible.

H. A. C--K.

For a man who could argue on such a subject, and especially on the negative, I fear hopes are few. Am sorry I can not cheer you in your trouble, but nothing succeeds like success, so try to live down your past reputation.

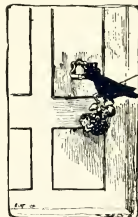
Dear Miss Truelove:

I am madly in love. The sweetest, loveliest, handsomest, most beautiful girl in all the world has captured my heart and made me her willing slave. Every morning mail train on the Wabash carries from me to her a burning missive, red-hot with my sentiments of love. Every morning the postman delivers at my door the daintiest, prettiest, most exquisite little letter from her whom I adore. But this morning it failed to arrive. I ran after the postman, thinking that he had made a mistake. But no, it was not there. I thought then it would come in the evening mail. But the evening mail came, and no letter. I thought the postman was keeping it back for a purpose, and threatened to brain him if the letter were not forthcoming, but to no avail. What can be the matter? What shall I do? Shall I go to her? She may be sick. She may be dead. Advise me quickly, I implore you.

Yours distractedly.

H. H. McK--.

Have some good, stout-hearted and true friend take you out to the wood-shed and vigorously exercise his Number 9's on the seat of your trousers. Then take three heaping tablespoonfuls of Epsom salts and by next morning you will doubtless be in your right mind. The girl was probably out to a party or sleigh ride last night, and was too sleepy to write to-day.



Crow calls on a Lady Friend

A MAN'S MAIDEN MODESTY

LAST summer, after cutting down the B. & O.'s usual dividend to the extent of \$45 per month for three months, Loder decided to invest what was left of his salary in a trip through Washington, Philadelphia and New York. After narrowly escaping the green goods men and other sharpers who hunt out persons of Loder's guileless appearance, he arrived at New York in company with three friends from Purdue. On going to one of the hotels they were all assigned to one large room containing two beds. In the evening Loder carefully laid aside his apparel, donned his little white nighty, climbed in bed and slept hard all night in order to get the worth of his money.

In the morning he piled out in advance of his still slumbering companions, and clad only in an abbreviated night-shirt and a pleasant smile, stepped to the window facing the court in order to get a look at the weather. The next moment his companions were rudely awakened by a yell of shocked modesty, and looked just in time to see Loder hastily pull down the shade and make a leap for life for his bed, where he covered himself so that only a blushing ear and a knobby pair of feet could be seen. Anxious inquiry from his companions finally elicited from underneath the covers the muffled explanation he had seen down into a room across the court where there were some—some—women!

Modesty sticks out on some people like homeliness on a yellow dog.

* * *

THE PURDUE EXPONENT

Object

To regulate the University.

Motto

"Hurrah for our side."

The Staff

Owner of the sanctum sanctorum	John Clyde Marquis, Esq.
Chief Spuill (his confidential adviser)	J. Clyde Marquis
Pusher of the Blue Pencil	John C. Marquis
Proofreader	J. C. Marquis
Mentor of the University	John Marquis
Business Manager, Society Editor, Art Editor, Sporting Editor, Advertising Agent, Joke Cracker, Paste Dauber, Wielder of the Shears, Typesetter, Reporter, News- boy, Printer's Devil, etc.	Johnny Marquis

NOTE.—There are other persons connected in a minor way with the paper, but as they are only figureheads they need not be mentioned.



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A FLANGE is the new improvement of the Standard Flange Line.

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Price: \$2.50, \$3.00, \$3.50, \$4.00, \$4.50, \$5.00

STERLING FOUNTAIN PEN CO.,
 100 Broadway, New York City, U.S.A.

Purdue's talented men are at last being recognized. The Debris wishes to call the attention of its readers to this excellent likeness of one of our popular professors which an enterprising fountain pen concern is using as an advertisement. We wish to congratulate the professor, not only upon the faithfulness of the portrait, but upon the recognition of his importance, for it is wisely said that no man is truly great until his picture has graced an ad.

A BOARDING-HOUSE RHAPSODY

NATURALLY the soup presents itself for the initial discussion. It has many forms, and a variety of French labels that remind one of a suit case that has been abroad. It has H₂O for the chief ingredient, and its consistency varies from a composition containing siftings from an excelsior mattress to the less viscous product known as the Wabash variety. With this is occasionally served fish, which often has the appearance of having been kept in training a couple of months for some swimming contest.

The roast beef often possesses such delicacy of taste that we believe that were its genealogy looked up the Wooden Horse of Troy might be found on some limb of its ancestral tree. Landladies often disobey the laws of humanity by killing chickens in their second childhood, and the recoil on one's jaw after the initial pressure has been removed would form a suitable problem in mechanics. The spuds, as a general thing, are dark complexioned, and wear a translucent Mother Hubbard of Cottolene, and this, in such quantity, that after the first few applications the tobogganning in one's digestive anatomy is fine.

The butter is always served in either of two of the three states of matter. In winter it comes in solid cubes, and has to be chipped off with a putty knife; and in summer it is served with a brush. Its color varies from a mulatto to a light sulphur shade. The butter is used principally to veneer the biscuit.

Now as to the biscuits. The dear little things are always neatly cast in circular shapes, the upper side having the color of a corpse, the lower showing signs of an attempted cremation. They possess a circumference and hence an area, but no one ever had the nerve to caliper the other dimension. Many fellows have formed the habit of eating them last, so that the food previously eaten may form a cushion for them to land on.

Pudding, when served, comes on in spherical chunks punctuated with raisins. It is eaten with a question mark, but its period of digestion is such that speaks well for its endurance.

We have now arrived at that part of the bill of fare where that staple pastry article known as pie demands our attention. We usually know pie at sight, and we are acquainted with many members of the pie family, although the species have never been completely catalogued. Some sleep under covers, some lie exposed; some are thin and emaciated, some bloated with air; some are noted for their density, others for their tensile strength. The average pie consists of two crusts, lying in parallel planes, with a trace of cinnamon, and kept from having their surfaces in contact by three or four pieces of organic matter, such as gooseberries or dried apricots.

The coffee frequently has a taste which reminds one of the smell of a woolen skirt scorched by an electric heater in a Lafayette street car. It is served with the genuine bovine article in about a three per cent solution.

Grape Nuts are served with a monkey wrench. Shredded Baled Hay is served in quantities that make one wish for a cud and a third stomach.

The little prune I leave basking serenely in her golden lacquer to be dealt with by each individual imagination, and thus avoid disturbing any unpleasant memories.

R. B. M.



Mechanics Illustrated—
Establishing Steady Flow

A RECITATION

WELL, gentlemen, I wish you would all arise in your seats hereafter when I call upon you to recite. You well know that I am not well and am fatigued with evening pedestrianism, and if I have the energy to carry the whole load of Professor Goldsborough's duties, as well as my own, in addition to at least half that of my colleagues upon my not too well formed shoulders, you certainly can stand and must do so for the short period of two or three minutes."

"Now, gentlemen, I assure you as authority that your education will not be complete, nor will you be resourceful, unless you subscribe for some technical journal. Since I can not in my position recommend, directly, any particular one, if you will listen closely, you will, I hope, obtain some inkling of that one which seems the most desirable. Now, firstly, you should be sure that it is the most complete one published; it should have a digest. The advertisements should occupy at least one-half of the book. I believe I mentioned that there should be a digest, for this is very necessary."

Arnold (aside)—"I believe I've seen his gold brick."

Here Gregory, with a pin in his shoe, rests his foot against the seat ahead of him, and Ford, who sits there, becomes unmanageable.

Esterline invites him to leave the room. Ford rolls out.

The lecture continues. "Gentlemen, it is to your best interests that you should pay close attention to my words, for you perhaps little realize the importance of a technical journal to you, and especially is this true if it has a very complete digest, as only one journal published has. I have no desire to recommend any particular publication."

Esterline then labors through a long discussion, occasionally calling upon a member of the class to see if he will rise without being told to, and having sundry conflicts with Kailer in this respect.

During the last five minutes he gives a little trial test of a flux distribution curve and, finding but few taking any interest, again turns to his pet subject for that period.

"Now, gentlemen, Mr. Small has recently become the agent for the *Electrical World and Engineer*, and he desires me to say that you can leave your names with him if you desire to subscribe. The class is excused."

On the bulletin board at the foot of the stairs the class finds this card displayed:

"The *Electrical World and Engineer* contains a most complete digest. See Mr. Small in the Laboratory."



Design of a stained window for the
Phi Delta Theta house

THE OLD BELL

The Old Bell
The Bell

Would no harder task were mine
Than to answer to the summons of that old familiar chime;
My thoughts will turn with longing and sadness to it yet,
The emblem of those college days I never shall forget.

The Old Bell,
The Bell,
The old familiar bell.

The Old Bell,
The Bell.

No one will ever know
How many sleepy students depended on it so.
The sun's bright rays a-glancing upon a jasper sea
Would not seem half so beautiful as did that bell to me.

The Old Bell,
The Bell,
The worn-out, cracked, old bell.

The Old Bell,
The Bell,

The faculty one day
Grew tired of its chiming and took the bell away.
We close our eyes at eventide and restless is our sleep,
We know we will be late to class since we no more can keep

The Old Bell,
The Bell,
The great necessity, a bell.

The Old Bell,
The Bell.

It is forever gone.
And when the hour is ended the lecture still goes on.
And as we dream sweet dreams of what we hold most dear,
We long to hear again the bell we heard for many a year.

The Old Bell,
The Bell,
The bell, we need a bell.



According to Professor Waldo an osculation is where two curves kiss.



THE CONTEST.

Following the example of our illustrious predecessor the editor-in-chief posed for his photograph, of which the accompanying illustration is an exact reproduction.



THE STORY OF THE YOUNG MAN WITH THE HAPPY SMILE



Mechanics Illustrated — Impact and Its Effect

ONCE upon a time there was a Young Man who possessed a Smile as broad as Hancock's Knowledge of Mechanics is narrow. He was called Herbert Kipp. Herbert was a good Boy and was not Tight with his Smile. On the Contrary it was easier to get him to smile than it was to get George to keep his Classes in half of the Noon Hour.

These smiles cast a sunshiny Glow wherever they were turned loose. The Janitors would get Herbert to release one in the dark Corners in order to see the Cobwebs. It saved using the Electric Lights.

Whenever Herbert was out to see his best Girl with the Gas turned low in the Best Parlor and he heard the Old Man coming, he would simply get off a large Smile, and it would illuminate the room so much that the Old Man would get off and Cuss because his Gas Bill was going to be High.

Herbert also owned some pretty yellow Hair which was actually his own, and which he wore in a large Curl over his classic Brow. He washed it once a Week with Grandpa's Wonder Soap, because that was cheaper than Packer's Tar Soap. This made his curls large and fluffy and all the Girls would admire them. They said it looked like good Molasses Taffy. They generally said this when passing Barry's or Frombaugh's, and so Herbert would have to take the Hint and spend a Nickel for some Candy. Herbert did not like to do this because he was very Tight.

Herbert also let Pansy help him run the Civil Department. Doc Stone said that when Herbert wore his Smile he looked as if he actually knew less than Pansy and so ought to have the Job.

Whenever Herbert exhibited his Smile to Visitors they would say something about Quaker Oats and Wonder if his was the original Smile that wouldn't come off. They also said that if it ever did come off they Hoped it would not come on anybody else, as they did not believe there was any other Face to which it could be fitted without reducing it or else Hurting the Face.

This Story teaches us all to carry Sunshine with us wherever we go.



HIS OTHER NAME

Scene—8 o'clock car. Enter Miss Darby, who sits down by Mr. Ernst.
Miss Darby—"Oh, good morning, Mr. Fritz. I'm fifteen minutes late. I do wish they'd hurry."
Followed by collapse of young prof.

THE WISDOM OF WAESCHE

George—"Now if a load comes on the bridge, consisting of a team of wagons or any other such crowd of people—"

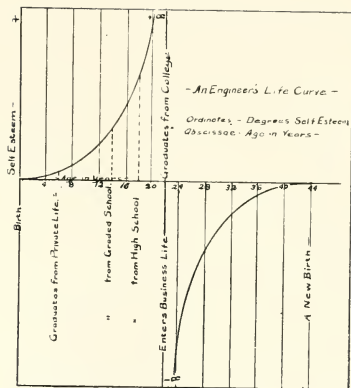
AN ODE

A fool there was and he came to Purdue,
 (Even as you and I)
 To teach Mechanics to me and you
 (And he tried to teach Mathematics, too);
 But they'll all get next to him ere he gets through,
 (Even as you and I).
 Oh, the bluffs that we worked and the toil that we shirked,
 And the work of our head and hand
 Belong to the prof. who did not know
 (And now we know that he never could know),
 And did not understand.

The fool through Mechanics bluffed his way,
 (Even as you and I)
 With the testing machines he monkeyed each day
 (To make the trustees think he earned his pay)
 But the men in his classes all got gay
 (Even as you and I).
 They jollied him up in the classroom and lab,
 And asked questions that no one could answer,
 For he was the prof. who didn't know why
 (And now we know that he never knew why)
 And did not understand.



This is Jimmy Brown, who was easy enough in his Sophomore to pose in this unique costume while the Dorm Devils took his picture.



A MINOR INJURY

Mallox (talking in Chemistry for the benefit of the class)—"I know of an incident where a man, two hundred feet distant from a nitro-glycerine explosion, was instantly killed, while a man within forty feet was not hurt a bit, only had one leg blown off."

SWEAR NOT AT ALL

The lesson in Hydraulics was on the "Quaker Bridge Dam," which caused a brilliant idea to spring from Ben Johnston's mind.

"I'll bet that Quaker Dam was only an affirmation," he remarked.

THE VITAL QUESTION

Professor Waesche (in Hydraulics, to Ellison, ex-'03)—"Do you really expect to graduate this year, Mr. Ellison?"
 Ellison—"Well, what do you think about it, professor?"



Mr. Kerr was attempting to explain his inability to expound Steam Engine from a strange book.
 "You can't teach an old dog new tricks," he quoted.
 Some bright student immediately piped up. "Yes, especially a Kerr."



YE REFRESHING TALE OF SNYPES LONGACRE'S SNYPE HUNT

IT WAS in ye goode olde days, in ye year of our Lord one thousand nine hundred, that our young and verdant swain, yclept Milton Longacre, did arrive in ye great city of Lafayette that he might wax strong in wisdom. And verily he had sore need of wisdom.

Now he was like to all other Freshmen, for he was green and innocent of the wiles of thys worlde. Thys was so notable that ye tribe of Sophomores did mark him speedily, saying: "Gadzooks, but here is an easy mark." And so it happened, as he wandered about ye campus greene, looking for ye man who took up ye campus tickets, some of ye rollicking Sophomores came nigh him and spake thusly:

"Prithee, hast though ever enjoyed ye rare olde sport of ye snype hunt?"

And Milton, blande and unsuspectynge, answered them that he had not, and that he was greatlie beholden to hys new founde friends who took in hym so kindlie interest. So he parted companie with ye rollyckinge Sophomores, yet ere he went had he promised to meet them in ye evening, and that he would brynge with hym a stout sacker with which to snare ye elusive lyttle snype.

So it came to pass that in ye evening Milton and ye rollyckinge Sophomores met and set forth for ye snype hunting grounds. Ye nighte was dark and cloudy, and ye way long and lonelie, yet had our Milton a stout heart. Surelie ye kinde Sophomores would not do him. And after long journeying they did arrive at ye hunting grounde and Milton was tolde of ye art of catching ye lyttle frolicsome snype. Ye Sophomores showed hym how to stande in ye brooke and how ye snype would seek ye shelter within hys nice, soft bag when chased up by ye aforesaid Sophomores.

So Milton tooke hys stand in ye brook and ye rollyckinge Sophomores went into ye woode to chase ye lyttle snype into Milton's bag. After a tyme ye rollyckinge Sophomores wearied of ye snype hunt and bent their steps homeward. Yet did they leave Milton standing with hys bag, tarrying till ye snype should come.

Ye water grew colde and ye woode became filled with strange sounds and thyngs, and our Milton's teeth chattered and he shivered mightily with ye cold and frighte. He thought of gyvinge up, but when he considered how ye rollyckinge Sophomores would chydye hym for frighte, for verily therē was nothyng in ye



The Debris Confidential Guide to the Theaters

woode to be affrighted of, he resolved mightilie to stay with ye ship. And with great fortitude he stayed ye whole nighte through, nor was hys vigil rewarded by any snype. And as ye morning broke he grew discouraged, and tooke hys way homeward.

After a many of trials and trybulations he arrived at hys dwelling place, for he several tymes lost hys way in ye woode. He found that ye kinde Sophomores were still out, and he thought with remorse how unkinde he had been to leave ye Sophomores in ye woode. However, ye rollyckinge Sophomores had enjoyed a good night's rest and soon came down from ye college. There they did find Milton patiently awaiting their companye, and when they had all come, he tolde them how sorry he had been to leave them alone in ye woode.

For by my halidome, he certainly was easy, for he was not next until it was explained to hym in words of one syllable.

Moral—Ye innocent get ye dirty ende of ye stick, whereof they may learn which ende is ye clean one.



ON THE INSPECTION TRIP

As the party approached the entrance to Swift's butchering plant, Van Zandt showed signs of agitation. Instead of marching brazenly at the head of the party, as had been his wont, he dallied in the rear, with an expression on his face which clearly showed his mental perturbation. Presently he sidled up to the guide.

"Do they kill goats here?" he asked.

The guide shook his head, and reassured, Van entered.

PURE AND APPLIED MATHEMATICS

Professor Waldo had just completed a stupendous mathematical computation.

"Behold," he said, "the triumph of genius. I have just extracted the fifteenth root of this number, carrying the result out to the ten millionth's place."

"Ah," replied his wife. "Now you can go and extract the ashes from the furnace, carrying them out to the ash-barrel's place."

Pondering deeply, the great man did as he was bidden.



There was a professor named Pence,
Who taxed the Seniors each fifty cents
For blue-prints, he said,
But his face it got red,
And we knew it would pay his house rents.

DEWEY UNDERSTAND THIS?

As an example of what the Purdue course in English will do for a student, read this, taken from the bulletin board:

"Any student finding or carrying an umbrella with L. Dewey on the handle will oblige the above by leaving same in the Library rack."

One forms a mental picture of a student striding across the campus, with the unfortunate Dewey, whoever he may be, dangling from his umbrella handle; and of his finding either Dewey or the umbrella, we are not sure which, standing disconsolately in the Library umbrella rack.



A Familiar Figure

THE INQUISITION

(Popularly known as the Absence Committee)

Heretic	A Student Whose Attendance is Rather Irregular
Chief Inquisitor	PROFESSOR PANSY
First Brother Inquisitor	PROFESSOR AYERS
Recording Brother	DOC. EVANS
Doorkeeper	PROFESSOR FUZZY SMITH

Inquisition Chamber—The Registrar's Office.

The Doorkeeping Brother enters the antechamber, which is filled with trembling heretics. He motions a victim to enter the chamber of horrors, which the latter does with longing glances at the outside world. He is motioned to a seat on the culprits' bench. The door is carefully closed and Brother Smith resumes his place.

Silence prevails.

The Inquisitors lean over books of record, scanning their pages with the deliberation of the mighty. At last the mysterious silence is broken and the cross-examination begins.

Chief Inquisitor—"Recording Brother, what are the charges against this disbeliever of the University Rules and Regulations?"

Recording Brother—"The disbeliever was absent sixty and one-half hours out of one hundred."

Chief Inquisitor—"Mr. Heretic, what are the reasons for your absence from our most holy institution?"

Heretic—"I was ill, your Professorship."

Chief Inq.—"Is that the only excuse you have?"

Heretic—"Yes, sir."

Chief Inq.—"Do you drink?"

Heretic—"Coffee? No."

Chief Inq.—"I mean alcoholic beverages."

Heretic—"Only when I am at home." (He is thoroughly at home in a saloon.)

First Brother Inquisitor—"Do you smoke?"

Heretic—"Occasionally."

Recording Brother—"Do you chew?"

Heretic—"Only when a friend offers it."

After having wormed this information from the victim, the inquisitors cast their eyes down and appear to deliberate deeply, while Doc Evans figures with some chemical formulae. After a time he speaks.



Design for a stained window for the
S. A. E. house



Recording Brother—"After figuring with certain formulae developed by myself in a recent theory of my own, I have come to the conclusion that a probable drinking when you are at home, an occasional smoke here, and a possible chew there, are enough to make you totally unfit for the duties of our most holy institution."

Chief Inq.—"I am very glad, Brother Inquisitor, that you have worked it out mathematically. Now, Mr. Heretic, we don't want to become personal at all, but we should like to know how often you call on the ladies during the week."

Heretic—"It varies with the studies I have to do."

First Brother Inq.—"Directly or inversely, may I ask?"

Heretic—"I—I—I never stopped to think."

(Meanwhile the Recording Brother is taking notes at the rate of three and a half pages per minute.)

Chief Inq.—"Have you never overslept from the evil effects of a night out?"

Heretic—"Never."

Recording Brother—"Do you not think your personal habits are causes of your absences? My calculations lead me to believe that."

Heretic—"I think not; I don't see why they should."

(Pause; the inquisitors let their brains effervesce.)

Chief Inq.—"Now, Mr. Heretic, your case lies plain before the court. We shall consider the question; the Committee will decide your fate and let you know its sublime decision."

At this stage, Brother Fuzzy, the silent doorkeeper, rises, opens the door softly, motions the heretic to withdraw, and at the same time beckons a new victim to prepare to face the high tribunal.



HOW'S THIS FOR FINANCING?

Donnelly, '04 Pharmic, pawned his overcoat at the holidays to buy some one a Christmas present and borrowed the money to pay his carfare home for vacation!



PRETTY NYE A SLAM

A Senior was showing a visitor around the Engineering Laboratory, and they had just entered the wood-room, when the latter said, pointing to Bill Nye, "That person's face looks familiar to me. It seems to me I have seen his picture somewhere."

Senior—"Can you recall where it was?"

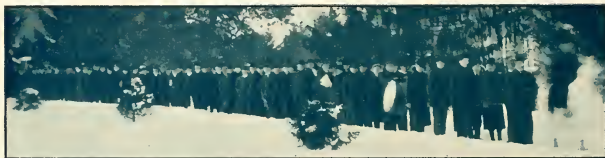
Visitor—"Let me think. Why, yes, it was in a Mellin's Food advertisement, which showed one of their precious babies that had thrived on that diet."



THE SECOND ANNUAL MECHANICS BURNING

THE bunch got together at the armory, which Berthold had wheedled the Commandant into letting us have by saying that it had been the custom for years to meet there. Though a cremation is a pretty serious business, we felt pretty good over this one, and weren't at all quiet about it, either. It was cold as blue blazes, and the little white pony would doubtless have frozen to death if he hadn't been protected by a magnificent robe of white muslin. Even Si Pierce, his rider, himself a warm one, was not heard to complain of the heat.

The procession, when it finally got started, was in this order: First the pony, accompanied, of course, by his rider. At a dignified distance behind came Babcock, tricked out in the habiliments of a priest, and carrying a Kent in lieu of a prayer book. Following came the bier, carried by the stalwart Pierp Morgan, Skeeter Terrel,



Sal Edmonson, Gen. Miles, Hyde, and Loring. The rest of us followed, marching in platoons of twos. Kipp carried all that was left of Hancock, who was apparently too tired to walk, and Peck a transparency, on which the desire was expressed that Hatt might choke.

The occasion was made impressive by plenty of yells and the '04 song, and the solemnity still further emphasized by the discharge of sundry blank cartridges. As the procession filed south past the old heating plant, the bell began to toll, being rung by those irrepressible spirits, Bill Collar and Joe Ernst. It was fitting that the old bell, which had called us to so many third hour agonies, should ring for the last time at the cremation of Mechanics.

South to Ladies' Hall went the line of march, then east and north to the Electrical Building, where Duden took a snap at us with his camera. The pony refused to look pleasant and resembles a white streak in the picture more than anything else, but the rest of us did fairly well. Then we went on to the steps of Fowler Hall, where Dude took another try at it.

Then the program commenced. Raschbacher read a "poem," a little lame, perhaps, but he explained that the intense cold had frozen its poetic feet. Pierce galloped through his masterpiece, "Through Mechanics on Horseback," while the crowd cheered at every jump. Yoshisaka read a mixture of Japanese and pidgin English which no one understood, but we yelled when we got the cue, anyway. L. J. Kirby read a weird yarn concerning

the adventures of a certain Mr. PUBS '04, when he tried to apply the principles of Church, which caused us all to firmly resolve to have nothing more to do with Mechanics, seeing the nightmare it had caused Kirby. Yelm made some remarks on "Sleep in its Relation to Mechanics," which we couldn't hear, but which we applauded vociferously, as it was getting too cold to do anything else. Peck read the last will and testament, and Babcock conducted the final ceremonies, in which we all filed around to the tune of "Hot Time," and took a final look at the deceased. Even the pony took a long, shuddering gaze at Church, but he fearlessly nibbled at the hay composing Hancock's anatomy.

The procession then moved to the driveway in the rear of Fowler Hall, where a large fire had been built, and Mechanics was soon nothing but a little heap of ashes. These were placed in a balloon, and in its last trip "up in the air," we failed to accompany Mechanics, but remained on earth watching it sail northward until it faded from view in the blue distance.

The orchestra circle that evening at "Graustark" was just large enough to hold our material bodies, but by no means our high spirits or noise. However, all rules were suspended, and the company took their jolly good naturedly. With the fall of the curtain ended our Mechanics demonstration, though a few carried the celebration over into the early hours of next day.



SECRETS DISCOVERED

Professor Plumb, Professor of Polyphase Currents, hurriedly leaves the room. He leaves the roll book on the window sill. The following is discovered on the last page:

"Make it hard for the delinquents. Tell them they must tutor some."

"Look out for Williams in quiz!"

"Martin between Ripley and Loring in last quiz."

ONE OF BECKETT'S PROBLEMS IN ACCELERATED MOTION

How long will it take to empty bottle if passed around the class? Find t , p and v .

IS IT A QUESTION OF DESIGN?

Pierce (in Bridge Design)—"Professor, is the method of fastening the sidewalk floor of the Main Street Bridge a good type of construction? In crossing the bridge I often notice the boards seem to move up and down!"

The remainder of his question was drowned in the roar which followed, and even George, who it seems is not wholly unacquainted with Pierce's habits, cracked a sad, reluctant smile.

AT THE VICTORIA

The Victoria was a little too much for a few of us in the Junior Inspection Party who were country born and bred, and try as best they could to appear blasé, a few gave themselves away in a laughable manner.

The French bill of fare had many up in the air. Bill Neptune wrestled awhile with the French names, but finally gave it up, telling the waiter to "bring him a little of everything." Skinny Miller ordered roast beef with sauce a la something or other, and when it came inquired mildly of the waiter "whether he called that stuff apple sauce or gravy?" Stumpy Dorland got his order balled up and called for "roast frog and fried goose legs." Even Professor Jimmy Hoffman ordered trout, and then failed to recognize it when it arrived, much to the disgust of the waiter.





THROUGH MECHANICS ON HORSEBACK

By S. LEE PIERCE

ALTHOUGH Richard III. was not taking a Mechanics test when he uttered those famous words of his, "A horse! A horse! My kingdom for a horse!" we can fully sympathize with him in his necessity, for we have also been there; not upon the field of battle, but just preparing for a balloon ascension; and what a ballast to hold us down our beloved horses have proven.

All our lives we have been brought up with the idea that a horse is a most useful animal. The hobby horses of our early years have carried us over rough grounds; the clothes horse has dried our garments; the saw horse has been the scene of our manual labors at the woodpile; but how much nobler and surer has been our Mechanics horse! He was sired by our first efforts in physics—here he was nothing but a pony—and he was dammed by all our profs.

The definition of a horse is given by Webster as "One who or that which," a true and well-timed definition. When in the darkest gloom in the night before a Mechanics test, when we have sat up with our faithful friend and fed him on formulas and valuable aids, we have put our implicit trust in our beast. The favorite diet of the Mechanics' horse is formulas; nothing fattens him up so much; he scorns the common horse food and eagerly devours page after page of Mechanics. From this we would judge that he must belong to the ram family, and that his ancestor in the early days must have been a goat. It seems strange that the words "to crib" and "to horse" are synonymous; but why not? Is not the crib the manger of the horse?

There are many different breeds of the Mechanics horse. Some prefer him on two small rolls bound together with a ribbon and worked deftly with the fingers. This is a very noble breed of animal, and when in teams or herds, with a comprehensive index, will in all cases land his rider safely on firm ground. Others prefer him on small folded slips. I have found this to be a very useful animal, not taking so much time to prepare. Some like him on different sheets of cardboard, but there is a disadvantage in this method, in that one is liable to forget which pocket contains the right horse. A good horse and one hard to detect is a paper swiped from the University supply kept under the prof.'s charge, filled up with some problem or proof which is known beforehand will be given. At the end of the hour the well-filled horse can be exchanged for the lean attempt in the classroom, and the substitution can never be detected. Some who are quite skilful in the manipulation of the leaves of the Mechanics with their toes are loud in their praise of this method; but as it requires a vigilant eye on the prof. and a certain nimbleness of the foot only acquired after long practice, it has not come into universal use.

It is the duty of every Purdue student to keep a stable of well-trained horses; a few well-broken family horses for easy tests, a good saddler to make a fast ride on a medium hard test, and a real good horse of the Lou Dillon type to make a record with, or to save your life in case of a flunk. This last class is especially recommended for a flunk exam.



LAST WILL AND TESTAMENT OF MECHANICS

(By Clair L. Peck)

I, IRVING P. CHURCH, MECHANICS, being in good health and sound mind, do dispose of my belongings as follows:

To Professor Hatt, who has served me longest, I leave one dollar. He needs nothing more to make him happy, for God hath blessed him.

To Mr. Ludy, my second oldest servant, I leave all my hair, upon the condition that he will use it. To him also I leave some frowns and harsh words, for these things are necessary to the successful management of stubborn horses.

To Mr. Fermier I leave my confidence in the boys, my kindness of heart, and my colored eyeglasses. If he uses these as I would have him do, fewer fellows would have to undergo the tortures of the flunk test.

To Mr. Hancock, my youngest, I bequeath all my wisdom, for the Lord knows he can use it.

To dear George I leave a Hydraulics Speed Regulator of the most approved design, for without this he can not be perfect. I also bequeath to George some of my laziness, in order that he may sympathize with ordinary mortals.

To the Junior scavengers I leave what is left, including all of my balloons and all of my livery stables. May they use them for their own good and for the good of the science.

To Dr. Stone I give a good-by.

(Signed) IRVING P. CHURCH, MECHANICS.



PRAYER FOR MECHANICS BURNING

(By Geo. D. Babcock)

O thou great Jehosop Hat,
To thee we offer up this church
Wherein for months as good disciples
Doctrines learned and minds besmirched
Learned of but new loads to carry.
Never stress sufficient there
To relieve the strain and worry,
Bended backs and ceaseless care.

Thus we, on this day of passing
To the realm of long ago
This thy edifice of learning,
Resting lightly in the snow,
Feel that now our hearts are lightened
And we can progress in peace
To the final, fini, finis
And then all our troubles cease.



A FARCE

Star Tragedian Professor E. H. Davis Supes, etc. Senior Sociology Class
Scene—Professor Davis' Recitation Room. Time—11:10 Thursday a. m., March 10, '04.

(Prof. Davis at desk in deep study.) Enter class in groups.

Group I—Miss Darby, Dave Herron, Crow. Group II—Miss Roseberry, "Schniltz" Rauh. Group III—The rest.

(Class take seats in a leisurely manner; Prof. raps for order.)

Prof. D.—"Well! let's get down to hardpan at once. We have more to do this morning than we can shake a stick at in a month of Sundays. In fact, we are between the D. and D. S." (Devil and Deep Sea.)

Silence, except for the deep stage whisper of "Dave" talking to Crow across the room. A. E. White enters.

Prof. D.—"Ah—h! Here we have an example of degeneracy. The ill Mr. Crow and the late Mr. White have saved the day, they have turned our day's work from an ordinary occurrence to a special event like a chef turns a frying egg."

Deep silence—groans by Ach.

Prof. D.—"Now, we will consider these last papers a few seconds. Here is Mr. Rauh's, for instance. It looks like he had taken a handful of straws and thrown them on the paper and rubbed them over it. Why! Mr. Rauh, your writing looks like a lace handkerchief."

Rauh blushes and squirms. Miss Roseberry in a large whisper says to Miss Shearer, "Why! I can read it!" Disturbance prevails.

Prof. D.—"Well, to resume, now, Miss Shearer, what have you to say on the question of the cause of poverty?"

Miss Shearer—"Why!—Why!—I—Why!"

Prof. D.—"Well, Miss Shearer, you remind me of the sphinx. It doesn't know anything and don't talk, but—you talk."

Another strained silence.

Prof. D.—"Well, Mr. Crow, what do you think of the question of hereditary intellect mentioned in to-day's lesson?"

Crow—"Why, I don't believe it, professor."

Prof. D.—"Why, Mr. Crow? Explain."

Crow—"Well, for instance, my grandfather might have been the smartest man that ever was and still I be the biggest fool anywhere."

Prof. D.—"Exactly. Yes. That has been proven conclusively."

Crow purples. Class in uproar.

Prof. D. (after a long period of disturbance)—"Well, children, I'll let you go home now in a moment, for I fear you will cry if I don't. I should have brought a bowl of milk for each of you. You each need a bottle."

Class files out. Riot in the hall. (Finis.)



Design of a stained window for the Phi Kappa Psi house



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M. K. KAPCHORZ. -

Manuel Rivera

Joni & Mung

Rafael Escobar Herrin

Foreign Affairs

吉
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吉

रामलाल बेकी

Carlos Robles del

Felia G. Guerrero

اسرائيل

A DREAM

Last night I lay a-sleeping,
There came a dream so fair;
I sat in Poly Con class
With the other Seniors there.

I heard Professor Davis lecturing,
And ever as he talked
Dave Herron's voice rose loud and hoarse
Above the other noise.

The sun of noon was shining down,
The room was hot and close;
And no one there could keep awake,
And no one even chose.

No one was there who listened
To what the Prof. might say;
We only longed for twice to come
That we might get away.

But once again the scene was changed,
Adams did not chew gum,
Hushed was Rauh's cheerful whispering,
Dave Herron's voice was dumb.

The board was lined with questions,
The Prof. was in his chair;
His face wore a triumphant look,
He stroked his auburn hair.

His soft, well-modulated voice
Now had a joyful ring.
You see he had the tables turned,
And no one knew a thing.

FOR LITTLE BOYS TO ASK QUESTIONS ABOUT

Some Seniors were working on the Mechanics coffin in the wood-room. A Sophomore watched them for a while, then stepped up and asked: "What are you fellows working on?"

Seniors—"This is thesis work. This is to be a float for measuring the velocity of the Wabash."



INTERESTING ANSWERS TO TEST QUESTIONS

Question—What are the Bacteria?

Answer—Bacteria is a germ.

Another answer to the same—Bacteria is a plant or animal that germinates very rapid.

Still another—Bacteria is a germ that flies in the air, and also in water and milk.

And another—A bacteria is a microscopic vegetable unicellular organism. May be harmful or not, or it may be neither.

Another—Bacteria is a very small plant (I should rather call it an animal) varying a good deal in shape and size (not so much in size).

Definition of Hygiene—Hygiene is the air breathed or drawn into respiratory glands.

(These replies are *not* from regular Purdue students.)



A B(A)UM JOKE

Mr. Baum, looking at the new stuffed crane just received at Science Hall Museum, remarked:

"Well, that's the most expensive bird that this museum has had for a long time."

"Why?" asked Herron.

"Look at that enormous bill that has come with it."



SENIOR ELECTRICAL LABORATORY EXPERIENCES

"Well, I suppose what you say is true about accidents occurring daily in the large steel mills, resulting in great loss of life, but so far as excitement is concerned, I don't believe that one of those catastrophes can compare to some that take place in the Senior Electrical Laboratory here."

The above remarks by a Senior Electrical were addressed to his old chum, who was connected with one of the steel mills of Pittsburg, and who happened to be spending a day in Lafayette. After a moment's reflection, the Senior continued:

"For example, if a little fuse blows out, you have every man in the laboratory around you, headed by Professor Plumb, with a thousand questions and reprimands, and questions similar to the following: 'How did it happen?' 'Such carelessness I never saw.' 'Don't you know better than to do a thing like that?' 'Why, where have you been all these years?' 'You keep that up and we won't have any laboratory left.' 'If you did that in the laboratory



Design of a stained window for the Sigma Chi house



Yours amiably,
The Author of the
Dutch Book

of the General Electric or Westinghouse Company, you would lose your job instanter.' And thus they keep on until the fellow's ears ache, and all because the experiment required twenty-five amperes, while the only available fuse, a three-ampere, had been inserted in the block.

"Oh, yes, we are all expected to obtain elegant results in our theses this year, and evolve new theories that will cause Sir Isaac Newton to arise from his grave and make C. Proteus Steinmetz turn gray. But at the same time we run the engine at one hundred per cent overload, when half of the Senior Electricals are doing regular experiments and the other half working on theses, both using the same instruments at the same time. Why, when walking in the laboratory at such times, you must not take your eyes off the floor, for if you do you are sure to step on some one's feet, or on a belt, or possibly fall over a dynamo.

"A short time ago, our six-hundred-pound 'Dutch' Riebel fell into a three by eight inch hole near one of the clutches on the line shaft. After going around at the rate of four or five miles per second for an hour, more or less, the engine was finally stopped, and while we looked for the pieces of 'Dutch' he pulled himself out of a quarter horse-power clutch, and wanted to know 'why the devil the machinery had stopped: it had ruined his experiment!' There was no excitement, however, because no apparatus had been damaged, and 'Dutch's' pants didn't amount to much.

"I was taking a visitor through the laboratory one of those afternoons. I showed him the instruments, the generators, and incidentally pointed to the main switchboard. He asked me where the switchboard was. I looked and saw that in front of the entire set of panels the fellows were lined up three deep, waiting their turn for the use of a cable.

"Speaking of the switchboard cables reminds me of the new laboratory rules:

"'A student is allowed the exclusive use of a cable for twenty minutes, at the end of which time he must turn it over to the next in line.'

"'A student may have exclusive use of an instrument for two consecutive minutes only.'

"'Under no conditions may a student use more than one-hundredth of a horse-power at a time without the special permission of the professor in charge. To insure that this limit is not exceeded, dynamometers may be borrowed from the steam engineering laboratory. Such grants must always be accompanied by the signature of the said professor and duly countersigned by the head of the department. In view of avoiding conflicts, these grants must be presented at least two periods in advance of the time of use of same.'

"'Any one damaging instruments is liable to be expelled from the laboratory.'"



Design of a stained window for the Beta Theta Pi house



Four Queens

"I have a friend," the Steel Mills man remarked, "who has been contemplating taking electrical work here. What advice shall I give him?"

"Tell him, old man, that when he takes Senior Laboratory work he had better make his connections in the dark when no instructor is around, then if anything goes wrong later it probably won't be charged up to him."

"I shall surely give him your advice," said the Steel man, as he ducked through the doorway to escape a wireless current that had strayed from its path and was bent on making a short circuit through his body.

I'D LIKE TO STEAL YE

"Ting-a-ling."

The telephone at the Phi Gam house rang. Yes, Mr. Reibel was there.

A minute later Dutch was listening to a feminine voice.

Would Mr. Reibel meet her at some place down on South Third Street, at eight o'clock that evening?

Dutch didn't exactly know who it was, but that didn't matter, he accepted with alacrity.

She might not have the dishes done when he arrived, so would he whistle "Bedelia" when he got there and she would come out and meet him?

Everything was O. K. with Dutch and accordingly he was promptly on hand at the appointed hour and place.

The "lady" was nowhere in sight, so according to contract Reibel struck up the tune "Bedelia" in silvery notes. There was some hitch somewhere, for she did not appear at once, however. Dutch was undaunted, and began to walk up and down the street, making the air ring with musical trills.

It takes some people longer to tumble than others, and the hero marched back and forth whistling "Bedelia" for fifteen or twenty minutes before it dawned on him that he was being hoaxed. When the idea did finally penetrate his cranium, he retreated hastily up the street in confusion and poor order.

The worst of it was that the conspirators were hidden in a near-by doorway enjoying the situation.

Nowadays if a dirty look will kill you, you certainly will be a dead one if you whistle "Bedelia" in Dutch's presence.



Mechanics Illustrated—
Loss of Head

STANDARD BOOKS BY POPULAR AUTHORS

- "The Vagabond"—McIntosh.
 "The Socialist and the Prince."—Milan Karchoff and Ram Lal Bery.
 "Inestimable Shapes."—Dimmitt.
 "Cupid's Garden, or, The Back Yard of Ladies' Hall"—Watty Conner in collaboration with Van Zandt.
 "The Great Stone of Sordis."—Doc.
 "Perkins, The Faker."—Lee.
 "The Vulgarians."—Harris and Rosenstock.
 "An Ancient Empire, or, Latta's Empire of Reason."—Pap.
 "Ancient History, or, My Stock of Jokes."—Moran.
 "Anthropology."—Lois Yager.
 "The Antiquary."—Miss Irwin.
 "Art of Entertaining."—The Hall Girls.
 "The Associate Hermits."—Swearingen and White.
 "Battle of the Strong, or, Riebel and His Socks."—Dutch.
 "Beauty and The Beast."—Mrs. and Mr. Babcock.
 "Between Two Loves."—L. Murray Grant.
 "Biography of a Grizzly, or, A Reading of Davis' Face."—Students of Poly Con.
 "By Devious Ways, or, How to Get Through A Test."—Ford.
 "Changed Heart."—Cecil Crane.
 "Cross Patch."—Professor Billy Turner.
 "Purgatory to Paradise, or, Electrical Machinery to Economics."—Senior Electricals.
 "Familiar Fish."—'o3 Suckers.
 "Farm Appliances, or, The Hands o' Vehslage"—Shorty.
 "Found in the Philippines."—Sunny Jim.
 "The Gold Hunter."—Esterline.
 "How To Mix Drinks."—Riebel.
 "In Cupid's Chain."—Mick McKee.
 "How To Teach and How Not To Teach—Demonstrations."—Part I, Westlund; Part II, Plumb.
 "Outside of The Foam."—Herb Johnson.
 "Vanity Fair."—Ethel Cowing.
 "The Devil's Own."—Drury, J. G. Kirby, McIntosh.
 "We Two."—Howard and Grace.
 "A Mortal Antipathy."—Dr. Coulter and Madame Davies.
 "The Silent Partner."—Prison Gates.
 "A Golden Gossip."—Misner.
 "Captains Courageous."—Dodge and Loder.
 "The Heavenly Twins."—The Arbuckle Brothers.
 "To Have and To Hold—My Money."—Artz.



FROM A SENIOR POLY CON TEST

Question—Does the law of diminishing returns apply to the entrepreneur?

Answer—To my notion, the law of diminishing returns does not apply to the undertaker. The same expense is attached to all funerals. If the death rate was fast and the undertaker's time was nearly all taken, then his time might command greater wages, so the number of funerals increased would not necessarily decrease the cost of them.

AN ARABIAN NIGHTS ENTERTAINMENT

IN AN attic room of the Electrical Building, some moons since, the nth section in design received spontaneous entertainment by Herr Master Walters in charge, assisted by a canine introduced for the occasion by the program committee of that particular group of angels.

The characteristic features of the entertainment are even now so clouded by atmospheric effects that its classification among the standard plays by even an expert critic is impossible.

It was not a comic opera, for the score was not in mirthful vein; it was not a tragedy, for no serious complications have resulted and no demises are recorded. A pantomime can not be considered even for an instant, since loud speaking and sundry noises occurred by the action of the participants.

On the whole it was probably a dog and pony show, since the dog was evident and the primary scholars of Herr Master declare that they have often seen him training a small horse. The latter was perhaps not of the opaque kind seen in the wild and woolly West, but the rapidity of Herr Master's coordinated movements could be accounted for only by the presence of some such beast.

It is best, however, that the story should be told that you may judge for yourself. The happening was like this:

The Grand High Master, Esterline, in superiority over the engineering branches, possessed a dog, perhaps Charles by name. Charles, strange to say, could not resist the persuasion of the above mentioned committee to enter the class in design. As is usual with late comers, he received marked attention from his classmates and was treated to the many little courtesies which it is always their pleasure to bestow.

Herr Master, not deeming such a time fitting for the public reception of even so distinguished a guest, with Alphonso bows and Gaston courtesies invited him to leave the hallway. But for a long time Charles was loath to go; his classmates dearly loved him so. For a long time, also, solicitation was continued by the chief actor. Suddenly the scene was changed to one of the most intense activity. The pony, upon which Herr Master seemed to be mounted, lunged forward and then kicked furiously, throwing him upon the spot the lucky canine had the previous moment occupied. Hastily mounting again he gave chase and locating (temporarily) the object of his search in a fortified position, immediately charged, overturned the ramparts and simultaneously assisted in the escape of the garrison, which he again pursued. "Over hills and through dales" (figuratively speaking), mid non-sympathizing hordes, in breathless haste, Herr Master still pursued the dog.



Design of a stained window for the Phi Gamma Delta house



By this time the audience became so excited that enthusiasm reigned supreme and the members vied with each other in applause. Some could no longer stand the strain and hysterically hid their faces in books and drawers. What a moment! By dint of much maneuvering the dog had been captured, and Herr Master was taxed to the utmost to retain his hold of canine and dignity at the same time; and, in fact, seemed about to release his hold of one or the other. Collecting himself for one last herculean effort he lunged to the door, and out through the casing went Charles, howling lustily as he parabolated through the air, and howling still when, after it seemed minutes had elapsed, a serrated bumping had ceased.

As the curtain fell on the scene Herr Master stood triumphant, with colored gleams as from ruby footlights suffusing his manly brow.

Before the audience could appreciate that the show was over, the star had come from behind the drop, and with a few well-chosen and forceful words, had dismissed the class. The intense quiet which ensued in that classic hall evidenced the emotion, deep and lasting, which these words brought to the already overwrought listeners. That they were appreciated and long remembered it is, perhaps, needless to tell you, but to this day the mere mention of them brings signs of emotion to those who were fortunate enough to have heard.



PROBABLY BY EXPERIENCE

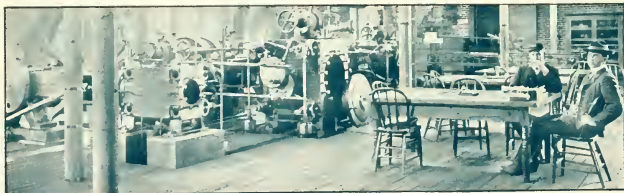
Lois Yager translating German—"After a short silence, Nettehen sighed, then arose, went around the table, and fell into the man's arms with the words, 'I will not leave you, you are mine—' Professor Fluegel, I can't translate this, but I know what it means, all right."

ONE OF THE OLD, OLD, OLD ONES

From the *Exponent* of March 10th (see also any of the preceding volumes since 1900)—"Professor Ferry's definition of an electric spark—a red-hot hole in the air."

HE WILL BEFORE HE GRADUATES

One of the Arbuckle twins at the Burning of Mechanics—"I don't see what the pony has to do with it."



Levee drillers at lunch in the Steam Lab.





'04's as Freshies



'04's as Freshies



'04's as Tank Painters

PURDUE THERMO MINSTRELS

Matinee every Tuesday and Thursday of the second semester at 10 a. m. Patrons will be ejected at the conclusion of the first number unless they provide themselves with the official blue-print score card.

CAST

Interlocutor	Professor McColl	Shining Lights.....	Drury
End Men	Ripley and Good		Porter
Grand Ignoramus	Campbell	Star Equestrians.....	Puryear (a visitor)
Vice-Grand Ignoramus	Kent		Riebel (understudy to Cline)
	Hirsch	Rattled always	Yoshisaka
Neverknewits	Supers Goodspeed		

PROGRAM

Entire troupe at constant entropy and 200 degrees superheat.

Overture.....	"Roll Call"	Professor McColl	Spiel	"I Don't See It"	Riebel
Song.....	"Apv = External Work".....	Ripley	Lecture	"One Pound of Steam at Constant Pressure"	McColl
Rehash	"P = 1 - Apv"	Good	Chorus	"Snores"	Entire Class
Grand Medley. "ApvxrQTdvst = ?"	Campbell		Song and Dance.		
Operetta.....	"A Flunker from Flunkerville" Kent				
Voluntary	"Yip Sankitimitudoitusagainquick"	Yoshisaka			
					"Why the Devil Don't You Study Thermo?" Professor McColl

Admission—Ticket Labeled "Sec. 7, E. E."



Dinner Time



The Bunch

The Football Camp on the Tippecanoe (Photos by W. D. Hamilton)



"Bob" Jaques



'07—"Why do you seniors kick so much about Hydraulics?"
'04—"Oh, because, there's so much 'head' work about it."

WHERE THE HAIR PROBABLY WENT

Upon seeing three shaved heads in Chemistry class, Professor Ransom was moved to ask if the Agricultural Building were being plastered.

AT THE SENIOR THEATER PARTY

Raschbacher making noise with his face.

Voice from the stage—"One ass at a time, please, I've got the floor now."

THE DEAR THINGS

She (watching the young man stir fudge with the same circular motion)—"Why don't you go counter-clockwise awhile?"

He—"Oh, that wouldn't do, I want it to be positive fudge."

NOT SO WELL KNOWN AFTER ALL

Sigma Nu Freshman to other Freshmen—"Say, fellows, did you hear why we couldn't have our pictures taken Saturday?"
Freshmen—"Yes, that crowd of girls over at school they call the Philadelphians are going to have theirs taken at that time."

PENCE SETTLES THE DISCUSSION

"Yes, the train was undoubtedly traveling at least thirty miles per hour at the time of the collision. I have arrived at this conclusion from the following considerations:

"The train was stopped within three car lengths, as is shown by the fact that three cars were wrecked. Assuming the force necessary to wreck three cars, and multiplying it by this distance, we have the amount of energy necessary to stop the train. This must be equal to the energy of the train in motion, computed by the well-known formula of mass times velocity squared. Solving for v , the only unknown, we get something over thirty miles per hour."

A COLLISION WITH FORCE

Early in the fall, while walking with a friend on the campus, Joe Knapp inadvertently collided with an innocent looking individual. Gathering himself together, he administered the following reproof:

"Seems to me you Freshmen are getting most ungodly conspicuous about this campus!"

The supposed Freshman meekly passed on without a reply.

Knapp also passed on. He learned later that the stranger was none other than Instructor Jones, of the Physics department, familiarly known as "Sunny Jim."



The Camel Back



A Bunch of '04 Civils



The Wabash on a Rampage

THE FUTURE OF THE '04 PHARMICS



SOME five or six years after leaving Purdue I happened to be in Indianapolis, and remembering that several of the fellows had intended to locate there I decided to try to find them.

The first one I heard of was Schwankhaus. Upon being informed that I could find him at Fairview Park, I took a car out as far as I could go, and after walking to the far end of the park spied a large billboard, bearing a flowery ad., at the bottom of which were the names:

SCHWANKHAUS, SCHONEFELD & ROESNER, Proprietors.

I entered the shop, and was greeted by Gus wearing his usual smile that won't come off. For a greeting he asked me which I would have, "light" or "dark"? He told me that the rest of the firm was not on deck that morning, as they had worked the night before. Remembering "Pinkey's" and "Tubby's" failing, I said nothing, though I felt sorry that I would not get to see them.

Gus wanted to hear from the fellows, so I started in to tell him all I knew concerning them. Then and there he insisted that we encircle the table just as in days gone by, and we talked about the bunch. However, he did not forget how dry it makes one to talk.

"Bub Miller? Yes, he is the same old Bub. The last time I saw him he was behind a set of iron bars. Said he had overlooked paying a little board bill. Just like him; you know he always was a little neglectful."

"Logan, the boy with the name that makes you stop to get your breath before you speak it? Yes, I saw him the other day down taking a row on Green River. No, he isn't married. You remember he had quite a case with the little girl up on the hill. Well, from what he said, I guess she found out she was just a little too good for him."

"Lang, the shark, is still in South Bend, growing thin and gray worrying over the thought that he may make a mistake and kill some one. Poor Lang; it is hard luck to be that way, but he can't help it."

"What ever happened to our goody, goody boy?"

"Otto, you mean?"

"Yes, 'Peaches'."



Out at the Big Four Arch



The Tank Scrap of 1901



On the River Road



"Well, he decided that this is a bad world and that the best place for him was at home with mamma."

"And the girls?"

"Miss Miller is still a Miss. I feel sorry for her, but I don't see how I can help her. She and her father are conducting a store at Greensburg."

Gus smiled and said: "There's where I missed a chance."

"Miss McKinney is no more, as it is now Mrs. McKinney Steele. You know how soon Steele was set on? Well, he was told it was either Hyde or seek."

"Cabby Seal is still at that dear Loogootee, but he has grown bald and looks old. No, work didn't do it, but girls. I think you remember how he used to wear out the Fourth street hill."

"Rats Billman? Heard he had a large automobile factory in London. You know Rats always did have wheels in his head, and now they've come out."

"Carver? There is a boy that surprised me. I ran across him one day down at Hot Springs on the Midway. He was doing an elocution stunt for a show. If having him for a class yell leader was the cause of it, I am sorry."

"Your old roommate Jim Redd is still at Grammar. You know it was hard for him to leave Mollie for so long."

"Tubby Pence, after selling that \$800 worth of Peruna in one month, was sought after by the manufacturers and given a lucrative position. Seeing him to-day, one would think him a millionaire."

"How about Stout?"

"Well, if you remember, he was always shy with the girls. That is all over now, for he recently told me that he had the sweetest little girl in the world, and that just as soon as he could turn pills into money he was going to take her to raise."

"Jewell Walters? Yes, he made the highest average in the class, and decided that New York was just his size. Later he changed his mind, and if you are ever in Battle Ground, you will see a sign which reads: *Walters & Son, Druggists.*"

"Young could talk just a little faster than any fellow I ever heard. Guess he knew it, for he is now selling corn medicine and liniment on street corners."

"After Bill Lewellyn lost that girl he seemed to lose his nerve, for he is still paying board and working in a laboratory in





The Gravel Pit



An Old-timer



A Serious Case

St. Louis. Bill says if he ever has any bad children he will send them to Purdue to take the Pharmacy course. I think his revenge will be complete."

"Maddox? No, I have not seen him lately, but I read last month in *The Otterbein Corkscrew* an account of his marriage. It said he was going to locate in Oklahoma."

"Spain, Lawshe, and Britton are running a skating rink in the northern part of the State. They were pretty high rollers, but I often wonder that they never tire of it."

"Dawes, to keep from making eyes at pretty girls, enlisted in the navy, but it wouldn't work, for on his return to this country after a three years' cruise there was an African princess accompanying him."

"Donnelly, you know, was married just as soon as school was out. He is located at Brazil and divides his time between washing bottles and rocking the cradle at home."

"Gingsang Engle is on Wall street and is just as wise as ever. Just as present he has a corner on linseed oil."

"Newell, the sport, spends his time in New York and Tampa. The sporting blood is still in him, but he never takes a drink."

"I saw Campbell the other day at Huntington. He said Pharmacy was all right, but farming suited him better. We always believed that."

"Deacon Rice lived up to his name, for he is now a missionary in India. The last budget of foreign news contained an announcement of his marriage."

"Bibbins, did you say? Yes, Fatty Felix did not find the world as easy as the Purdue faculty, for he is now running a small pill shop on a side street in Delphi."

"Gantz, you remember, first tried preaching, but he found that the drug business was more profitable, even in a Prohibition State. He is in Kansas."

"And Hoppes doesn't wear anything but linen collars now. He says Red Key is good enough for him because there is no real saloon there."

"You remember, too, don't you, what a swell job Graves had when he left school? Well, the boss soon found that Graves made a better boy at the fountain, so he is still dispensing chilled air."

"Mother Wall is at Upland, the proprietor of a millinery store. Says it has the drug business beaten a block for chances to talk to pretty girls."

"How about the faculty, old boy?"

I had to shake my head and sigh when he asked me this.

"The faculty! Well, it is still just Mr. and Mrs. Hoak. Hoak knows all the good habits the Pharmics have. Professor Green continues to wear the spinage, but it is getting gray. He still gives the boys to understand that he is IT."

"Professor Sturmer still dreams. A Junior Pharmic told me that they even dared to take a nap between dreams now. Guthrie continues to do the recognition stunt, but no class, he says, has ever come up to the record of the '04 class."

By this time Gus had decided to give me an order for some wet goods I was selling. I think I shall always remember his parting words: "If you see Pap tell him that those two months we spent on malting and brewing were where I first got the idea which has made me successful in business, and tell him that graphic formulæ never made me a red cent."



AND HE DODGED A BRICKBAT

It was at the DERRIS Staff meeting.

Herrick—"Now to whom shall we dedicate this book?"

Berthold—"Let's dedicate it to our class."

Staff smiles.

Herrick—"Isn't that too ego, Berthold?"

Berthold—"Well, then, let's dedicate it to the old bell—"

Babcock (breaking in)—"No, no, there might be a question as to what was meant, the bell on the old engine house or the lady professors in Ladies' Hall."

SUPPLY AND DEMAND

Mr. Davis (in Poly Con)—"A good barroom sends out a very poignant, minty odor, I've been told, and it has been argued that an excessive supply, hence a strong odor, will penetrate farther and increase the demand."

NOT THE REGULAR ARTICLE

In Freshmen Art class, with a basket of potatoes for a model.

Miss Fry—"Mr. M—, those potatoes are drawn too regular."

Mr. M—"Then they aren't regular potatoes, are they?"

A LONGING—TO I. LONG

I long for I. Long when I. Long is away long, and I long for I. Long when I. Long is away long to stay long.

Most respectfully dedicated to M. J. R.

TIME FOR A HORSE-LAUGH

In Botany Lab. (Miss Golden throwing down some grains of corn on the table for microscopic examination).

Mr. M—(looking up)—"Now throw down the hay."

EQUESTRIANISM

Ellsworth (discovering a mistake as he was explaining the work he had copied on the board from his pony)—"Whoa!"

PEG-TOP TROUSERS, FOR INSTANCE

Clothes do not make the man, but college clothes give him room for growth.

DIZZY GIVES HIMSELF AWAY

"Oom Paul" Discrens, during a test—"Professor, every one around here got that answer, anyhow."

SATTERFIELD TRIES TO DRAW CO-ED TRADE

Notice on Satterfield's door in the Y. M. C. A. House—"Globe Tailoring Co., Fine Tailoring. All Smart Styles in P. N. Corsets with cork protected stays. Warranted not to rust. Call within."

IN HIGH SOCIETY

Wonder why Instructor Johnson had his moustache removed? We think he wished to make a hit with the young ladies at the skating rink on Saturday afternoons.



"La Fayette Morning Journal."

NEWS FROM ACROSS THE RIVER

RICHARD C. PATTERSON, Special Correspondent.

SIGMA CHI

Mr. Frederick Allan Schaff, son of John Jacob Astor Gould Schaff, Superintendent, General Manager and Eighth Vice-President of the Big Four R. R., has accepted membership with the Geordedemcutheons, and has assumed immediate control. Owing to the immense importance attending this strategic move, the above named society has rented two down-stairs and three up-stairs rooms at Minn Bumbleburgs on condition that the chickens and Ambition Ford be allowed to roost on the front porch.

At a recent meeting, it was moved by Mr. Kurz, and seconded by Mr. Queen, that Bro. Robert Higbee be induced to return to active membership next year in order that they might have an upper-class man representative at the Pan-Hellenic dances.

Mr. Hume and Mr. Reed, after having introduced the custom of calling in full dress, have decided to abandon the vogue and by renting their suits to the Phi Gams, obtain pin money for the W. C. T. U.

COL. CHINN??

KAPPA SIGMA

After nineteen years' pursuance of an exclusive policy, Kappa Sigma has opened up and come out of the woods. This year she has secured the society services of two Canadians, one Princeton grad, and Messrs. Graffis and Swan. By economizing in a season's paint on her seashell pink and creme de mint green coach, she has been enabled to rent the old Sigma Nu House for half a term, aided by the personal voucher of James W. Cain and mimeograph copies of Phi Delta Theta's papers of incorporation.

Walton L. Robinson, upon enlisting the support of Rex Averill and the T. N. Es, has been elected president of the Junior Class with power to appoint and discriminate. Mr. Averill has received the first appointment.

The last inter-fraternity baseball game resulted in a defeat for Kappa Sigma at the hands of Sigma Chi. Speedy Sydnor was sent to purchase the keg and to make apologies to Pa Towsley on the way. When last seen, he and "Bones" Middleton were prying "vegetable compounds" at the Blue Ribbon Inn.

SIGMA NU

The Sigma Nus have made their annual move and are this year located in front of the campus in a house bearing canary-yellow barber-pole porch posts. The house is extremely comfortable and spacious, allowing two double-deck beds per room. Owing to their great number of athletic members at the training table—Duncan excepted—the boys have given up the project of running a table at their own lodge and are scattered strategically about the University hash-houses, where they can keep a close lookout for new raw material.

The fraternity seems to have tired somewhat of the basketball honors, having allowed the Phi Gams to beat them to Herzsch. However, with their former foresight, they have spiked Glover for the following year.

A matinee dance was given by them in February and a house party is anticipated in June, so they are refraining from society at present, fearing that the girls will become exhausted through excessive dissipation.

The prospects for next year are exceedingly bright. Though Messrs. Knapp and Peck and Uncle Sam Kipp will soon be with Tub Hartley and the past glories, they will still have Keen and Keim and Jimmy Dumps to give them force and prominence.

PHI DELTA THETA

Another shipment of lovely hats has been received by the Phi Deltas to be used in advertising their members on the campus. Owing to their firm social standing it has only been necessary for them to give one dance this year in order to retain their prestige. Keen anxiety is being manifested by Bros. Rauh and Middleton over the life of next year's chapter, but a great security is felt by most members of the fraternity who recognize the unlimited resources of Booker, the race-savior, and Fitton, the John Miller of the Freshman class.

Mr. Flint, of Kansas, has been imported to pitch for the Phi Deltas, as they need another pennant to make sure the success of next year's spiking season.

Bros. Sale and Warren were recently appointed ushers at the Irving Annual. The fraternity is to be congratulated upon receiving more honors than any other chapter at Purdue.

Mr. Finney has been voted the most polite man on the baseball squad.





The Riders and—

Nothing to speak of has been done in politics, their only scalp being a place for Bro. Jamison on the '05 DEBATS, and a couple of Tau Bet bents to report to the general council. The other fraternities have been entirely too amicable to make life interesting.

Bro. Stone is still the shining social star, his chief understudy being Willie Patterson. It is feared, however, that the inaptitude of the pupil, together with other local causes, will necessitate a prolonged engagement for the star.

PHI KAPPA PSI

After twelve months of talking and three weeks of preparation, the great G. A. C. has faded from a blaze of lavender and pink bunting into obscure and wasted colors before the Phi Psis' blurred and blood-shot eyes. Indianapolis has once more recovered itself, the University Faculty has returned, and the Lafayette girls with weary sighs have given up the gemmed and jeweled pins. Sixteen new pairs of tan shoes have been counted also, one less only than the Kappa Sigs.

Since the life at the Claypool and the three days' association with Bros. Dietz, Adams and others from abroad, the Phi Psis have decided that the fraternal neighborhood surrounding a corner lot on State and Waldron is far below their standard. Upon the suggestions of Bros. Kirby and Speckled Dick, a committee consisting of Bros. DeHaven and Neely has been appointed to see if they, by their persuasive words, can't talk some one into a reasonable price for brick to be used on a new house in Andrews place.

SIGMA ALPHA EPSILON

The deep snow and muddy roads have prevented the press from penetrating far into the solitude of the S. A. Es' woodland retreat. We have learned, however, by telephone and through the distant rumbling of Bull Thies, that the loss of Bro. O. P. Smith has crippled them terribly, and that the past year has been one relieved only by the timely arrival of Bros. Cal Smith and Billie Russell.

Bro. Reynolds is still pouring tea for the table. A lawn party and basket picnic in the nature of a treat for the city girls will be given in the side yard as soon as Captain Nichols cuts the grass.

PHI GAMMA DELTA

Great commotion has been occasioned among the social buds of Lafayette by the advent of the Phi Gams, who have taken up their residence on the east side in order that more of their members can make more calls on the same Sunday afternoon. Lee Perkins bears the keen distinction of having made sixteen between the hours of 1 and 7, and was only compelled to stop then because he found himself going around the social circle a second time. Dutch Riebel also enters the social contest occasionally by presenting his face to a little bud behind a bunch of lilies of the valley.

The *Journal* takes great pleasure in announcing that Cupid Irvin Coppes, the cute little brother of the former sporting editor of the *Exponent*, has been captured by the Fijis and has learned to smoke a pipe and wear a bathrobe on the great front porch. Uncle Irvin is from Nappanee, you know.

The annual house warming and free lunch was given in January. The line leading to the Dutch mixture was formed at 7; checks were issued at 6; Professor Kelsey had check No. 1. The line had no end, being in the form of a circle which passed the bowl on tangent; the P. C. being inaccessible.

BETA THETA PI

Free kindergarten has been started on Sheetz street by Snig Sweeney and Skeeter Terrell. Twenty-five live and bouncing Freshmen have been corralled to play with Wooglin, the pet dog, and to satisfy the young and blushing co-eds of West Lafayette. The chapter has adopted blue shirts to match their jumpers and overalls.

It is rumored further that another secret organization is building hopes on Sheetz street. Great distress is being felt by all fraternities, for the new material to be picked from at present, goodness knows, is scarce enough to satisfy them all.



The Ridden



The Snow Plow



The Old Pump



A Bit of History

ANOTHER ATROCITY

Having retired at an exceedingly late hour the preceding night, Mike was consequently late to breakfast.

"What time is it?" he inquired of Katy, as he gulped down his coffee, while visions of his being late to his class in Irish Chemistry floated through his mind.

"Ten minutes to eight," she replied with a smile, and then added facetiously:

"You have just ten minutes to ate."

ANOTHER PARADOX

Professor Waesche, describing a water meter to the class—"The wheel turns like the paddle wheel on a screw steamer."

ALMOST THIN ENOUGH

Babcock to Pat Tracy, who is opening the room for the DEBRIS Staff meeting—"I see the keyhole is open, anyway."

Pat—"Why don't you go in?"

Professor Davis in Sociology—"You know that there are many more female widows than male widows."

Civil—"Why do they call that moustache of Thaleg's a football moustache? Because there's eleven on each side?"

Mechanical—"Naw, first down."

Out on the bleachers one evening at sunset.

Miss Griggs (gazing westward)—"Girls, does the sun sit or set?"

Crow (in Human Body class)—"White is really not a color. Black is just the same."

Dr. Coulter—"Now, Mr. Crow, you can not convince us that black is white."

No, Cordelia, that distant reserve of Professor Esterline's is not due to haughtiness or egotism on his part. Walking the floor each night with a colicky infant on each arm is not conducive to geniality.

Prof. Pence (approaching crowded elevator)—"Going up!"

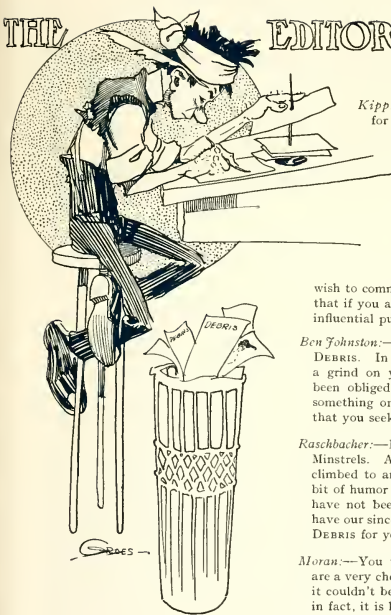
Elevator Boy (shaking his head)—"Full house."

"Bughouse," ejaculates the disgusted prof., as the elevator glides upward without him.

No, Cordelia, the pump in front of Ladies' Hall was not put there for the purpose of supplying a cooling draft to the thirsty wayfarer. It was put there that the Hall girls might have a place of keeping engagements unscanned by the watchful eye of Mother McRae.

THE EDITOR'S EASY CHAIR

ANSWERS TO CORRESPONDENTS



Kipp:—We regret to say that we shall be compelled to decline your offer of 50 cents for every time your name appears in the **DEBRIS**. The honor of the **DEBRIS** staff is unimpeachable, and of course we could not accept a bit of money under any circumstances. The same principle applies to four bits.

Miss Miller:—We will be delighted to assist you in any way in our power to keep your name out of the **DEBRIS**. Yes, it would be the height of stupidity to include you in the Anarchists' Club, just because you read Karchoff's papers. What could have possessed that ass Reynolds to have suggested such a thing? Anarchists are horrid, nasty things, anyway.

Gates:—We were very glad to hear from you, even if we did have to chase down to the postoffice and dig up an extra cent in order to get your letter. We wish to commend you on the economical spirit which you are developing, and to assure you that if you adhere rigidly to this principle you can not fail to reach the goal of a wealthy and influential punkin-husker. At the same time it is usually best to fully prepay postage.

Ben Johnston:—We regret very much to inform you that we will be unable to roast you in the **DEBRIS**. In view of your earnest solicitations we have made every effort to cook up some kind of a grind on you, but although we have left no stone unturned, including grindstones, we have been obliged to abandon the attempt. If it were not so late we would suggest you write something on yourself. We trust you will bear your disappointment manfully, and suggest that you seek notoriety in some other direction.

Raschbacher:—It certainly must have been disappointing to you not to have been roasted at the Minstrels. After you had parted with 75 cents of your hard-earned dough for a ticket and had climbed to an obscure perch in the peanut gallery for the sole purpose of hearing that choice bit of humor that was supposed to have been fixed up for your especial benefit, and then to have not been even mentioned—well, you were justified in asking for your money back. You have our sincere sympathy and as a proof thereof we have set aside several odd corners of the **DEBRIS** for your especial benefit.

Moran:—You were right in what you told the Class Day Committee. Roasts on the Faculty are a very cheap form of wit. This might be because—no, it couldn't be; perish the thought!—it couldn't be because the subject is a cheap one. As you say, they are very easy to prepare—in fact, it is harder to keep from roasting the Faculty than it is to do so. Still, we don't see how the Minstrels could be conducted if we didn't have Billy Turner and Sunny Jim to make fun of.



The Goat Club.

Colors

Black and Blue

Motto

Butt in, butt in, who's got the butt in?

Bell Goat

Jerome Goodspeed Van Zandt (Purdue Butter)

*Name refers to the artist and not to the name of the goat.

The Flock

"Rip" Ripley

"Ikey" Ach

"Si" Pierce

L. J. Kirby

"Tubby" Misner

"Dave" Herron

H. Love Johnson

V. V. Mitchell

Kids

The Connaroes (the original Buttinskies)

Naftzger and Stradling



THE MATRIMONIALY INCLINED

MARRIED

Oh, wearisome condition of humanity

—Lord Brooke.

George D. Babcock

Joseph R. Gates

Bert Cronkhite

Charles A. Kelley

Marvin H. Coppes

Clyde Keirn

BASHFUL BUT WILLIN'

"Fortune is not on the side of the faint-hearted."

David A. Herron

Warder Crow

Arthur R. Bradley

Walter M. Hinesley

Jack Reynolds

Harry Raschbacher

WOULD-BES

"She's all my fancy painted her;

She's lovely, she's divine."

Samuel G. Clifford

Charles R. Misner

W. Worth Bean, Jr

Clarence E. Banta

Horace A. Cook

Howard E. Satterfield

Hervey Keneipp

Harry H. McKee

John F. Beckman

LOVELORN DAMSELS

"Man's best possession is a sympathetic wife."

Evelyn Allison

Helen Darby

Cecil Crane

Lois Yager

Ella Shearer

Lyla Marshall



Marriage or a College Education?

DEBRIS CIRCUS.



SEE THE RENOWNED PROF. FERRY AND HIS
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EQUESTRIANS,
Introducing the following noted per-
formers: McIntosh, Riebel, Darby, Pierce,
and Rauh.

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ACRE.
The Slide Rule Sharks Beaten to a
Standstill.

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The Terror of the Freshmen.
"He Eats 'Em Alive!"

THE LUDICROUS LEWELLYN LUDY.
The only known survivor after the trial of thirty-seven
different hair restorers.

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THE ARBUCKLE TWINS.
"Their Heads no Larger than Oranges."

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DERFUL TEAM OF TRAINED GOATS.
THE CONNAROGES.

SHELTON. ALVIN.

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SOME, FRIVOLOUS CANINE.
Free Parade and Exhibition daily.
"Yis, an' he's gittin' so big even Mike can't
hold him."

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THE TIGHT-SKINNED MAN.
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GRAND CANTERING, CAVORTING CAVALCADE,
CAVALRY OF ALL THE NATIONS.
LED BY PROF. JIMMY HOFFMAN.



WHAT WOULD YOU THINK

If you should see:

Corp Adams not chewing gum?
 Ach with number 6 shoes on?
 Babcock quiet for fifteen minutes?
 Bean wearing civilized clothes?
 Berthold calm and self-possessed?
 H. A. Cook's cranium reduced?
 Warder Crow matching pennies?
 Helen Darby without a Stone?
 DeHaven cake walk?
 Madam Davies teaching German?
 Mahin making a speech in chapel?
 Ferry out of patience?
 Esterline fail to get out his annual book?
 Sunny Jim lead a grand march?
 Fluegel director of a Dutch band?
 Van let you walk on the grass?
 Stub Jenkins speak to a co-ed?
 Earl Henley tall and thin?
 Vehslage short and fat?
 Purdue true to get along without L. J. Kirby?
 Maduas out making
 stump
 speeches?



Si Pierce passing a Mechanics' test without a trot?
 Raschbacher with a case?
 Ripley when he didn't know it all?
 Satterfield playing poker?
 Jewell Harbaugh dance?
 Lois Yager with a smile?
 Yoshisaka called Smith?
 A roast get in the DEBRIS on Herrick?
 The Philatheans and Carlyles on good terms?
 Pansy in tights?
 Banta smoking cigarettes?
 Kipp without a smile?
 Plumb try to be decent?
 Westlund disliked?
 Nordstrum married to a rich widow (grass)?
 Waesche dismissing class fifteen minutes early?
 Seastone giving a lecture without mussing his hair?
 "Big" Miller leading Christian Endeavor?
 G. A. Young with a new derby?
 Van Zandt in the faculty next year?
 Havens in a hurry?
 Loder cussing?
 Dunning wearing ordinary quiet socks?
 Collar going six months without broken bones?
 Riebel with a gentle, pleasant voice?
 Pansy and Mike mix?
 Fermier get popular with "the boys"?
 S. V. Conner with a hilarious jag?
 Artz cheerfully paying his class dues?
 Canterbury really make a good recitation?
 Edmonson captain in the Salvation Army?
 Kailer agree with any one in the discussion?
 Kencipp wearing the smile that won't come off?
 "Skillet" teaching grammar?
 Rauh really "manage" something?
 The '03's get out a DEBRIS which could compare
 with this?

PIERCE DETECTS A PARADOX

The learned Waesche had just explained at considerable length that the members composing a curved arch are straight.

"Draw a line parallel to A D," he said.

Pierce's horns were up in an instant.

"How can you draw a straight line parallel to a curve?" he demanded.

Even George's face lighted up with a pensive smile, while the smiles of the class were audible in the rooms across the hall.

HE OUGHT TO KNOW

Professor Sturmer—"Mr. Miller, how many fluid drams in a whisky glass?"

Miller—"Only one, only one."

FROM GRAUSTARK

"What was Raschbacher doing down at Ten Mile?"

"Pushing a hand-car."

HE MEANT "VOUSOIR"

Bean listened to the discussion of the masonry arch with a pained expression on his face.

"Professor, what is a goose-wart?" he inquired finally.

Professor Ransom, in Junior Chemistry class, remarked upon the entrance of a stray dog into the classroom: "The effect of having another dog in the class should not create such a disturbance."

AND THE BAND PLAYED ON

At the dime museum on Fifth Street the barker was expatiating on the wonderful characteristics of the devilfish.

"The devilfish has ten mouths," he bawled, and pointing to Farkas, continued, "But he doesn't make half as much noise with all ten of 'em as our fuzzy friend yonder does with his one."

There is a professor named Young,
Whom the Juniors all think should be
hung;

Sells 'em Steam Engine notes,
And smilingly gloats
O'er each buck and a half from their pock-
ets he's wrung.

EVIDENTLY THE GERMAN FOR "TYPEWRITER"

At the DEBRIS staff meeting, Berthold advocated the taking of merchandise in exchange for advertisements, saying: "We might get a stenographer or something."

BRILLIANT BILLY

Professor McColl—"Mr. Bilsland, can you tell me what quantity is constant in adiabatic expansion?"

Billy—"Why—the volume is constant."



An Engineer's Idea of a Girl's Head



ROUGH ON HANCOCK

Instructor Hancock was monkeying with one of the testing machines, trying to find out what made the wheels go around, when he was approached by a couple of students whom he did not know, and who, as is clear to every one who knows the instructor, did not know Hancock. They had a question, and Hancock assumed his most dignified air of erudition while he listened.

"How do you find the modulus of resilience of this specimen?" asked one. "Do you do it this way?" and he went on at some length. Hancock apparently gave the subject deep thought. "Well," he finally remarked slowly, "that might be so."

"Or do you do it this way?" asked the other questioner, and he explained his method.

Hancock pondered deeply. "Well," he remarked slowly, "that might be so."

"Come on," said the first man. "Let's go find somebody that knows something."

They hunted up Fermier. After having settled the matter to their satisfaction, one of them said:

"Who is that guy over yonder?"

"That? That's Instructor Hancock," replied Fermier.

"The dickens it is! I thought he was just some bum dubbin' around here."

DON'T FAIL TO PROCURE A COPY OF A TREATISE ON THE NUMBER NINE FROG

BY WILLIAM DAVID PENCE

A full and exhaustive treatment of the subject, in seven volumes. Bound in half calf, balance goat. The author has presented the subject in his well known lucid manner, and has drawn largely from his extended experience as president of the Ladies' Hall, Dormitory & Eastern Railway for practical illustrations and examples; that is to say, he has given the reader the benefit of a wide experience; in other words his wide experience has been placed at the command of the reader. In a confidential way, we may say that there is positively no other publication in existence which has gone into the subject so deeply. Every Civil Engineer is advised to procure a copy as it will form a valuable addition to his library.

FOLLOWED BY SMILES

Longacre (in class meeting)—"It is cold and will continue to grow colder, so Mr. President, I move you that we postpone Arbor Day until next spring."

THE WAY OF OUR GIRLS

C. R. Houghton was calling on a girl friend. Her five-year-old sister came into the parlor and the following conversation took place:

Child—"Hello, Mr. Houghton."

Houghton—"Hello, Mary, how are you to-day?"

Child—"All right. Say Mr. Houghton, are you going to marry Elsie?"

Houghton—"Why—hm—who told you to ask that question?"

Child—"Elsie did."

AND SEND THE BILL TO PAPA

Book Agent, to Bean—"Have you reached your majority yet, Mr. Bean?"

B. Worth, Jr. (grandly)—"I am twenty-three years of age, sir."

B. A.—"Ah, I could not tell. While your appearance is that of a young man, your manners and conversation are those of a gentleman of mature years. You have such a business-like air, such deliberate judgment, etc., etc., etc."

After that what could Bean do but buy a set of books costing \$18?

UNDER THE HAYWOOD TREE

They say that when Kent was a Freshman bright,
He went to a tank scrap one moonlight night,
And tried to shake apples from a sycamore tree;
But such tales have no weight with you and me.

Now, Cordelia, Rudolph Rusterholz, Manager of the *Exponent*, does not own the University. He just thinks he does.





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ACKNOWLEDGMENTS



THE work of preparing this book has been done mainly by the members of the '04 DEBRIS Staff. The staff takes what it believes is a pardonable pride in calling attention to the numerous drawings illustrating the book, which, with but two or three exceptions, were made by members of the class of 1904. There is not a line of paid art work in the book. Nearly all the drawings were made by the Art Staff, and the artist may in each case be identified by his monogram on the drawing. The staff is indebted to Terrel, '04, for numerous calendar illustrations and the Texas Club design, and to O. E. Williams, '04, for lettering and designing in connection with the faculty groups and elsewhere. Mueller, '04, Pierce, '04, and Diserens, '04, each made one or more drawings. The wash-drawing entitled "The Sophomore's Reverie" was furnished by the Sophomore Class, who also paid for the engraving and printing of the same. The cartoon, "The Editor's Easy Chair," was contributed by Groesbeck, of the Chicago *Tribune* staff.

The photographs, with the exception of the portraits, were for the most part made by the staff photographer. The athletic photographs and a few others were obtained from O. L. Foster. Kent, '04, contributed some of the views. The portraits are the work of Hinea, of Lafayette.

The literary work has also been done mainly by the staff. L. J. Kirby, '04, contributed valuable articles and assistance, and in the preparation of the Senior biographies considerable assistance was received from various members of the class.

The business department wishes to acknowledge the services of Osborn, '04, L. J. Kirby, '04, A. E. White, '04, and Miss McKinney, '04 Ph., in the collection of the DEBRIS assessment.

The Electric City Engraving Company, of Buffalo, have done the engraving, and have made us a splendid lot of cuts. The printing and binding has been done by The Henry O. Shepard Company, of Chicago, who have spared no pains to make the DEBRIS an excellent specimen of the bookmaker's best art.

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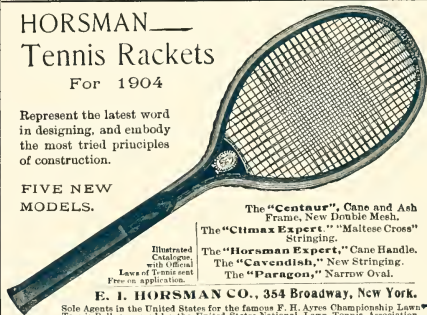
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CALENDAR - 1903



April 27

- APRIL 24—Carlyle Annual. (Late as usual.)
 "Brown, Bird and Bee Man," lectures to Agriculturals.
- APRIL 25—Interclass track meet. Won by '05.
- APRIL 27—Mad dog scare in West Lafayette. Dr. Biting slays three.
- APRIL 29—Glee Club concert at First Presbyterian church. A new boy at Dr. Evans.
- APRIL 30—1903 banquets.
- MAY 1—'06 flag on main building.
- MAY 2—Local track tryout. A. M. Wilson's hat smashed by the hammer. (His head not in it.) Baseball, Illinois, 10; Purdue, 1.
- MAY 4—Another frat game. Phi Deltas, 3; Kappa Sigs, 2.



1903 Graduates

- MAY 27—Dr. Stone gives his annual impersonation on "How to talk about Purdue."
- MAY 28—Kirby has a misfortune coming from North Side.
- MAY 29—State track meet. Tennis tournament.
- MAY 30—Memorial Day. Fowler Hall first used.
- MAY 31—Sunday. Everybody rests.
- JUNE 4—Inspection of Cadet corps and sham battle.
- JUNE 6—Notre Dame, 2; Purdue, 1. Mighty close.
- JUNE 7—Baccalaureate sermon in Fowler Hall.
- JUNE 8—Country cousins visit the campus.
- JUNE 9—Senior Class Day.
- JUNE 10—The commencement of 1903 !! !—?? ?—! !—?? ? ?
 Vacation begins.



June 6

- MAY 5—New *Exponent* Staff elected.
- MAY 6—I. U. vs. Purdue in baseball; 5 to 1, the wrong way.
- MAY 7—Dr. Pollard lectures on "flowers" in chapel.
- MAY 8—Freshmen begin to pack trunks.
- MAY 12—President Stone makes a sketch for the *Exponent*. Nebraska, 11; Purdue, 10.
- MAY 13—At Chicago, Chicago, 25; Purdue, 14.
- MAY 16—Purdue gives Northwestern a lesson in track athletics, 66 to 46. Notre Dame, 8; Purdue, 1. Tough luck.
- MAY 20—Baseball. Purdue, 4; Northwestern, 17.
- MAY 23—Phi Psi's go to circus with girls. Oberlin and Purdue break even in a track meet. Purdue wins a baseball game! DePauw, 3; Purdue, 4.
- MAY 25—Professor Turner appears in a new fancy vest.
- MAY 26—Miles captures a swarm of bees on University street.



April 18



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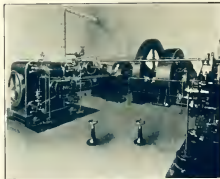
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September 23



September 24



September 28

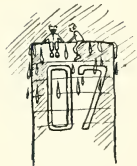
CALENDAR

✽

- SEPT. 1—Freshmen begin to drive in from the back counties.
 SEPT. 7—Entrance Exams.
 SEPT. 8—Flunks try, try again.
 SEPT. 9—We all try.
 SEPT. 14—Mass meeting. Speeches on football.
 SEPT. 19—First tank scrap.
 SEPT. 23—Connor, surrounded by a crowd of Freshmen as one of their own, is compelled to show his assignment card before he is allowed to escape.
 SEPT. 24—'07 on the tank. Also a couple of Freshmen.
 SEPT. 25—Big tank scrap. Ladies in attendance.
 SEPT. 26—Football season opens. Purdue, 34; Englewood, 0.
 SEPT. 28—Mr. Hilterderbeiteler arrives!
 SEPT. 29—Tau Beta Pi spikes appear.
 SEPT. 30—Judge Baldwin in chapel. "Orators and Oratory."



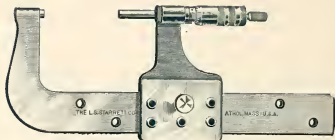
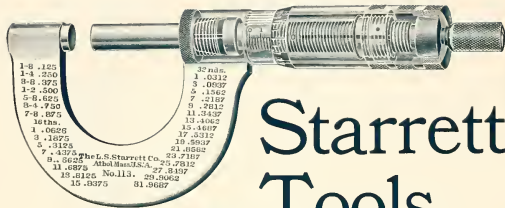
September 1



September 25



September 29



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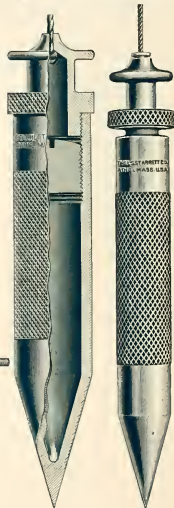
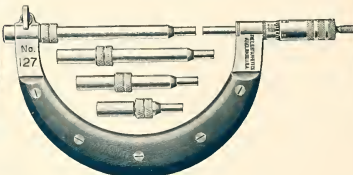
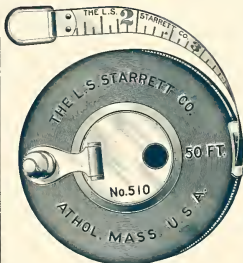
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CALENDAR



October 5

- Oct. 10—Chicago, 33; Purdue, 0. Words fail us.
 Oct. 12—Those who went to Chicago without leave pay respects at Dr. Stone's office.



October 24

- Oct. 1—Purdue, 18; Wabash, 0. Squabble about the ball. Cutts takes a hand and the ball.
 Oct. 3—Purdue, 17; Beloit, 0.
 Oct. 5—Carnival begins. Grades go below par.
 Oct. 7—Andrew D. White to speak in convocation, but weather bluffs him out. Waldo gives annual spiel advising students to shun carnival.
 Oct. 8—Seniors all cut to attend carnival.
 Oct. 9—Juniors follow suit. Civils tight. Hydraulics class cut.



October 14



- Oct. 16—Doc. Stone tries to square himself with a newspaper article entitled "How I Encourage Athletics." Grass cop fires "Pap" Latta off the grass. Has it in for the faculty.
 Oct. 17—Illinois, 24; Purdue, 0. Cutts' face grows long.
 Oct. 19—Cutts shakes up the team.
 Oct. 21—Billy Turner, chapel custodian, gives Tau Beta initiates the icy mitt.
 Oct. 23—Seniors on probation.
 Oct. 24—Purdue, 18; Oberlin, 2. Cutts' smile widens.
 Oct. 27—Football team spirited away. Getting ready for I. U.
 Oct. 28—Charles Denby speaks in Convocation.
 Oct. 30—Mass meeting and bonfire on Stuart Field. Dr. Stone appears in a new light.
 Oct. 31—The saddest day in Purdue's history.



October 20

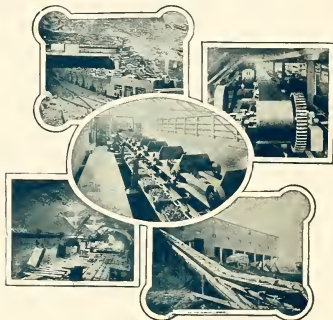
- Oct. 13—Pansy appears with an Athletic Association button !!!
 Oct. 14—Tau Beta Pi men do stunts. Grass cop fires Madame Davies off the grass.
 Oct. 15—All of last year's waste paper being used up, Waesche hands out clean paper. Class nearly has a fit.



October 30

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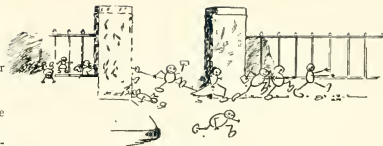
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CALENDAR



November 17



November 25



December 2



December 19

- Nov. 2—No school. Convocation in Fowler Hall.
 Nov. 3—Feeble attempt to resume work.
 Nov. 4—Convocation. Good news from the injured.
 Nov. 6—Alumni meeting. Plans for a Memorial Gymnasium.
 Nov. 9—First train appears on campus railway.
 Nov. 11—Memorial Day.
 Nov. 13—*Exponent* issues Memorial number.
 Nov. 17—Cold snap. Price of overcoats goes up, and gas goes out.
 Nov. 18—Topping tries to figure out the age of Ann. Gives it up.
 Nov. 19—Seniors decide to wear corduroys.
 Nov. 20—Riley.

- Nov. 22—Professor Burrage shows up the fellows in Bacteriology. All buy new toothbrushes next day.
 Nov. 23—Professors Ferry, Evans and Reynolds begin test on strength of materials of a new gas.

- Nov. 25—The faculty opens up and grants a four days' vacation.

- Dec. 5—Cutts assumes duties as Athletic Director.
 Dec. 8—Bryan lectures to engineers. (Not William Jennings.)
 Dec. 11—Professor Pence exhibits his private library to the Seniors.
 Dec. 12—Dodge caught studying.
 Dec. 14—First number of Purdue Lecture Course. Henri Ern and George Hamblin.
 Dec. 15—Kailer addresses the Electrical Society and thinks the discussion was extremely good.
 Dec. 16—Kieffer and Coppes accept "lucrative positions."
 Dec. 17—Emersonians and Phillies give open meeting.
 Dec. 19—Christmas vacation begins. Off for home!

During vacation.—Bill Nye gets married.
 Alley Wood plays polo.

- Nov. 26—A cold day for turkeys.
 Nov. 27—Instructor Trueblood smiles. Second time in two years.
 Nov. 28—At last! '07 on the tank.

- Nov. 29—Garman parts company with his mustache.
 Dec. 2—Convocation. Soph. girls take seats with class. Minister Harris, the speaker, still thinks Purdue students all farmers. Dr. Stone caught napping during the speech, much to everybody's amusement.
 Dec. 4—Athletic Association meeting. McGoveny explains how the Association has gone to the dogs during his absence.



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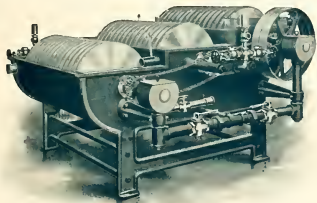
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Of the

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CALENDAR-1904



January 15

- JAN. 1—1904, long looked for, arrives at last.
 JAN. 4—School reopens.
 JAN. 5—Shorthorns arrive.
 JAN. 6—Kipp offers 50 cents for each time his name appears in the DEBBIS.
 JAN. 7—"Who Is It" appears on the bulletin boards.
 JAN. 8—Hodges comes to school, having previously studied his lesson.
 JAN. 9—Basketball. Purdue, 26; M. T. H. S., 13.
 JAN. 11—Grant, the renowned business expert, signs a contract for engraving reading "no cut less than \$75."
 JAN. 12—Carnegie Institute donates \$5,000 for locomotive testing. Yeats, Irish poet. Mike and Katy in front row.
 JAN. 13—Billy Turner lassoes a dog in chapel. Amos Butler speaks.
 JAN. 14—Williams calls on a lady friend. First time in career.
 JAN. 15—Bob receives.
 JAN. 16—Big Four gives \$15,000 to Memorial Gymnasium.
 JAN. 18—Bill Collar does a fancy stunt in Masonry (falls out of chair.)
 JAN. 19—Farmers' Institute.

- JAN. 20—Mass meeting. '04 gives \$1,000 to the Memorial Gymnasium. Glee Club appears for the first time.
 JAN. 20—Shorthorns have us guessing.
 JAN. 22—Engine derailed on Pence's model railway, the Ladies' Hall, Dormitory & Eastern. Cal. Smith gets home on last car.
 JAN. 23—Basketball. Purdue, 23; North Division, 25. Hard luck. A Shorthorn takes L. M. Grant for the President of the University.



January 20



January 13

- JAN. 24—Keirn gets married.
 JAN. 25—It snowed. Suburbanites stick in the drifts. Basketball, Purdue, 22; Minnesota, 32. '05 pledges \$1,000 to the Memorial Gymnasium.
 JAN. 26—George issues invitations to his annual Hydraulics test. Three-fourths of the class attend.
 JAN. 27—Athletic meeting in Fowler Hall. Cutts tells tight wads to open up. Farkas loses scale in drafting room; great commotion.
 JAN. 28—Last day of Mechanics. Cook chains up his book.
 JAN. 29—'07 pledges \$1,500 to the Memorial Gymnasium.
 JAN. 30—Basketball at Crawfordsville. Purdue, 12; Wabash, 18.
 JAN. 31—Senior Mechanics flunk tests.



January 28

LINK

BELT

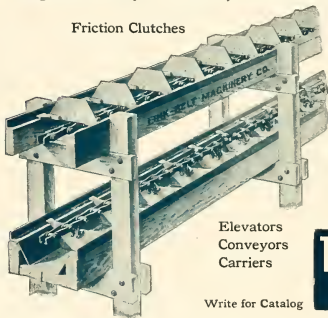


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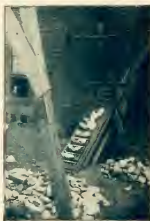
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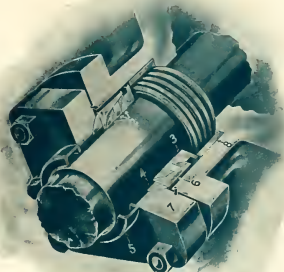
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CALENDAR



February 15

- FEB. 16—The pup accompanies Mike and Katy on a walk for exercise.
 FEB. 17—Basketball. Purdue, 40; Alumni, 39. Long John, Vivo and Reimann in star roles.
 FEB. 19—Freshman Athletic "Rally."
 FEB. 20—Purdue cleans up Wabash to the tune of 40 to 25 at basketball.
 FEB. 21—Bean goes to St. Joseph to see "M. A. R. the Only."



March 11

- FEB. 1—Second Semester begins. Mechanics burning.
 FEB. 2—Crow calls at Ladies' Hall, and gets a warm reception. Groundhog holes up for six weeks.
 FEB. 3—Esterline springs a funny (?) joke. "Found, a cow by a woman with brass knobs on her horns."
 FEB. 6—'05 elects DEBRIS staff.
 FEB. 8—Basketball. Purdue, 27; DePauw, 18.



February 26

- FEB. 26—Juniors get class pipes.
 FEB. 27—Jacob A. Riis lectures.
 FEB. 28—Rose Poly taken into camp, 35 to 27, at basketball.
 MARCH 2—Lieut. Governor Gilbert addresses students.
 MARCH 4—Primary elections in West Lafayette. Students who try to vote told where to head in.
 MARCH 5—Armour Institute goes back to the woods with 25 to 23 in basketball.
 MARCH 7—Hackett, '05, carefully waters Gus Whiting's rubber palms.
 MARCH 8—Agricultural Society has a feed. Freshmen take it for a Short-horn banquet, but are "rubbered."
 MARCH 9—(Quite early.)—Freshmen make life a burden for the Short-horns. Captain Albright tells how he did it in the Philippines.
 MARCH 10—Ben Johnston borrows a white vest and looks pleasant before the camera.
 MARCH 11—Shorthorns go back to the farm.

- FEB. 9—F. Hopkinson Smith.
 FEB. 10—Military ball.
 FEB. 11—Dave Herron takes a sackful of cats to school.
 FEB. 12—Poor old I. U.! Basketball. Purdue, 31; I. U., 18.
 FEB. 13—Baseball candidates out.
 FEB. 14—Mike and Katy take the pup out for exercise.
 FEB. 15—Katy and Mike take the pup out for exercise.



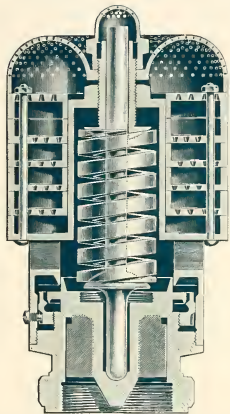
February 22

- FEB. 22—The immortal George's birthday. University tight. Safford, '05, addresses engineers. Coppes becomes the proud father of a ten-pound girl.
 FEB. 23—The learned Waesche tries to reduce radians to degrees, and passes it up.
 FEB. 24—Tau Beta Pi spikes appear. Kailer takes Robinson, '05, for a spike and congratulates him. Robinson!!



March 8

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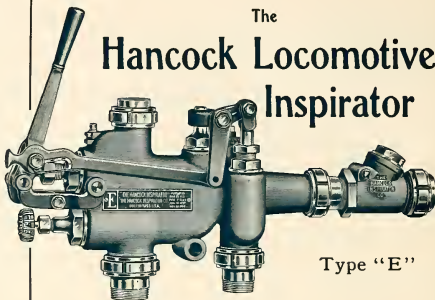
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CALENDAR



March 19

MARCH 19—Purdue-Indiana Freshman meet. I. U. takes home scalps of our Freshmen, 52 to 34.

MARCH 20—Freshmen and Junior Pharmics tread on each others' toes in the matter of class colors. Pharmics change from purple and white to purple and cream.

MARCH 22—Hicks engine makes its annual appearance.

MARCH 23—Gala Week gets a big impetus in chapel.

MARCH 25—"Pi Beta Rho" gives a dance.

MARCH 26—Thomas' Orchestra.



Vacation

MARCH 12—I. U. defeated in hair-raising basketball contest 22 to 21. State championship won. Nine rahs for the team!!

MARCH 13—Sunday. Juniors occupied all day on George's problems.

MARCH 14—Kentucky University Seniors visit Purdue.

MARCH 15—Letter man sports a top buggy in place of the usual cart.

MARCH 16—Inaugural Organ Recital.

MARCH 17—St. Patrick's Day. Dunning wears his green socks. Seniors all get glowing prospectuses from teachers' agencies.

MARCH 18—Senior Pan. Michigan Club has a feed.

MARCH 28—Senior Civils have a game of leap frog in Pansy's absence.

MARCH 30—Pharmics graduate.

MARCH 31—Bargain sale of 1903 DEBRIS opens at Jaques'.

APRIL 1—Bill Nye cans a Freshman from shop for indulging in an April fool joke. Senior Civils cut Pol Econ only to do penance the following week.

APRIL 2—Frat Freshmen initiated.

APRIL 4—First baseball game. Indianapolis league goes way back with 5 to 2.

APRIL 5—Freshman Schaff lets out two reefs in his trousers, and increases the inclination of his cap two degrees toward the left ear.

APRIL 6—Kenyon sends marked copies of the rules to many Seniors.

APRIL 8—Russel H. Conwell.

APRIL 9—"Sandy" Wilson gets a position at Kentucky State, and departs, much to the regret of the Freshmen.

APRIL 11—Purdue makes Fort Wayne League look like small potatoes with 2 to 1 in baseball.

APRIL 12—Does it again, 12 to 9. Emersonians "lick" the Carlyles in debate.

APRIL 14—McIntosh finds "congenial employment" in Arizona.

APRIL 16—Manual Training relegated to a rear seat, 8 to 1.

APRIL 18—1904 DEBRIS goes to press.



March 23



April 2

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