THE MILITARY HOP.

The military hop given last Fri.

day in honor of the class of '02,

was planned to be the event of

the season, and there was no hitch

in the plans. Some one got the

attracted one jot or little from the
general good time. About one hun-

dred couples were present and en-
joyed the occasion.

The decorations were strikingly

original. The arrangement of lights

and cozy corners and the manner of

serving refreshments were all new

and attractive features. Boos'

orchestra of Jackson, furnished

excellent music and to this can be

attributed much that went to make

the hop enjoyable.

Prof. and Mrs. Volder, Dr. and

Mrs. Waterman and Prof. and Mrs.

E. F. Hedrick were the guard of

honor.

to those who will not be back

another year, this last hop of the

season, should be long remembered as

the best.

DEBATING CLUB.

The question debated Thursday

evening was: Resolved, That co-ed-

education is an undesirable system.

The affirmative speakers were—W.

O. Hedrick and Fred Baker, the nega-
tive cases were given by Geo. S.

Severance. The judges were—Mr.

O. L. Ayrs, Mr. Thomas Gunson

and Miss Mattie Van Orden. The
decision of the judges was in favor

of the negative and one in favor of

the affirmative.

It is to be regretted that such

small crowds attended the meet-

ings of the Debating Club; some

excellent cases were being held, and

who remain away are certainly

missing some good opportunities
to improve their knowledge in several

of the important issues of the day.

HORT. CLUB.

The first number on the program
given before the Hort. Club Wed-
nednesday evening was a talk by Miss
Waterman on her thesis work. The

objects of the work pursued were the
determination of the effects, on the

length of stem, size of flowers, and
time of flowering, produced by

girdling carnations. Miss Water-

man stated that the conclusions arrived

at as follows: First, girdling de-

creases length of stem; Second, de-

creases earliness of flowers. In the

distribution of factors, Miss Water-

man pointed out to Misses Harris,

Henderson, Gunson, and Miss

Cottrell some of her researches in

the interest of the cereal food

industry.

53°. We print below extracts

from the circular letter which Prof.

J. D. Towar mailed to M. A. C.

friends from Honolulu. Prof. Towar

left Lansing March 31 by way of

Kansas City for southern California,

Pasadena and Los Angeles were

reached April 5th. At Claremont

Prof. Towar and family visited with

Prof. Cook, and Mr. Reynolds was

their host at Pasadena on April 6.

The rest of the narrative is given in

Prof. Towar's own words.

April 7—Spent most of the fore-

noon straightening out imperfections

in our tickets. Visited Mr. Lowe

and thoroughly enjoyed his wonder-

ful railroad trip and the still more

wonderful railroad trip to the

Alpine Tavern. The view was

grand and well worth the time and

expense of a visit. We take train

again at night for San Francisco,

but find ourselves obliged to wait

eight hours at Barston. Stay the

night in a railroad boarding house.

April 8—En route for San Fran-

cisco all day, nights going through

the delightful country at night.

April 9—Take first ferry for San

Francisco. Meet Carl Bank on

the street. He takes all in,

entertains us royally, gives us truly

table and takes us to the University

of California.

April 10—we embark, Carl Bank

and the others join us. We are

really glad that the party is from

family and the many friends

who saw us off did not have to

occur to us. Good-bye, San Fran-

cisco, as we move away from land

on a large ship for a long ocean

voyage, that we never think of at

other times. True, the separation is

gradual, and it gives time for

sorrow, sublime and sentimental

thought.

It is a short time till we pass

out the Golden Gate, the pilot leaves

us, and land disappears. In fact,
in less than three hours Hannah

is sea-sick, can't go to lunch, DeLoss
doesn't feel very well, J. D. eats
lightly, and we all feed the fishes
too. But next morning we all go to

breakfast at 8:30 and during the rest of

the voyage are ready for every meal.

The following days bring fine

weather for sailing, a smooth sea of

a beautiful color, birds following us

everywhere, nice people on board,
good food—7 meals a day—books to read,
time to rest and sleep, games, a little

happy anarchy, time to know at home,

and no anxiety, nor responsibility.

In less than a day from now we

will look for Lepet Island, after

that follow the others of the Sand-

dollar group. We are to arrive

Wednesday, at Honolulu and will

begin the next notes on what we see

there.
TUESDAY, MAY 20, 1902.

ALUMNI.

'92, L. C. Brooks, recently with the Brown Hoisting Co., Cleveland, has re-entered the Navy Department, with a promotion in position and an advance in salary. He is employed at the stationers with William Cramp & Sons' Ship Building Co., Philadelphia.

'05, Dewey Seeley visited the College last week while on leave of absence from the Agricultural department.

'90, Instructor Swift spent Sunday at M. A. C. His permanent address is 516-518 Widdicomb Bldg., Grand Rapids, Mich.

CLASS FIELD DAY.

Field day was a success in every way last Saturday, considering the poor condition of the track. All events, except high and broad jumps, which take place this week, were pulled off. Three of the M. I. A. records were broken in the shot put, hammer throw and standing broad jump. Later in the day, Briefs, in his own record with the hammer, threw and standing broad jump. At the present time the sub-freshmen lead in points, which are as follows: (1) '05, (2) '97, (3) '93, (4) '90. 100-yd. dash — Kastner ('05) 1st, McKenn ('06) 2d, Holdsworth ('05) 3d, time 10 3 5 sec.

220-yd. dash — Kastner ('05) 1st, Carpenter ('04) 2d, Dewney ('05) 3d time 25 5 sec.

440-yd. run — Kastner ('05) 1st, Carpenter ('04) 2d, Dewney ('05) 3d time 56 sec.

880-yd. run — Holdsworth ('05) 1st, Burrell ('06) 2d, Wilson ('06) 3d, time 2 21 5 sec.

1 mile — Holdsworth ('05) 1st, Carpenter ('02) 2d, Holdsworth ('05) 3d time 5 min. 30 sec.

Standing broad jump — Carpenter ('02) 1st, McKenn ('06) 2d, Burrell ('05) 3d, 10 ft. 4 5 in.

Running high jump — Moon ('05) 1st, McKenn ('06) 2d, Holdsworth ('05) 3d, 5 ft. 4 in.

Racing, hop, step and jump — McKenn ('06) 1st, Holley ('06) 2d, Norton ('03) 3d, 8 ft. 3 5 in.

Pole vault — Blanchard ('05) 1st, Stevens ('06) 2d, Wilson ('06) 3d, 9 ft. 6 in. 1 5 sec.

Shot put — Carpenter ('02) 1st, McKenn ('06) 2d, Childs ('06) 3d, 30 ft. 5 in.

Pole throw — Holdsworth ('05) 1st, McKenn ('06) 2d, Carpenter ('02) 3d, 11 ft. 10 5 in.

220-yd. dash — Kastner ('05) 1st, Carpenter ('02) 2d, Holdsworth ('05) 3d, 25 ft. 6 in.

30-yd. dash — '03, time 3 min. 15 sec.

3-mile bicycle — Rae ('05) 1st, Mason ('03) 2d, Backofen ('06) 3d, Mason ('03) 3d, time 36 sec.

1-mile bicycle — Rae ('05) 1st, Mason ('03) 2d, Backofen ('06) 3d, Mason ('03) 3d, time 2 43 5 sec.

5-mile bicycle — Knapp ('05) 1st, Rae ('05) 2d, Mason ('03) 3d, time 34 min. 45 sec.

The following list shows the number of points each man won for his respective class. Out of the two contests, fourteen are new men, being their first year in college: McKenn ('06), 11; Carpenter, ('02) 9, McKenn ('06), 9; Kastner ('05), 8; Rase ('03), 5; Holdsworth ('05), 7; Childs ('06), 7; Phillips ('03), 6; Mason ('03), 5; Burrell ('05), 5; Blanchard ('06), 3; Kratz ('05), 3; Kruszy ('05), 3; Crosby ('05), 2; Wilson ('06), 2; Baldwin ('05), 2; Stevens ('06), 2; G. Verran ('06), 2; Backofen ('06), 2; Norton ('06), 2; Downter ('05), 1.

In last week's issue we will be the remaining events and total number points for each class. It is possible to close a run between the freshmen and sub-freshmen for first place.

Running Saturday the track team will go to Alma contesting in a dual meet with that college.

INSECT COLLECTIONS FOR HIGH SCHOOLS.

During last summer and autumn the zoological department collected and preserved a large number of insects in common to the State with the intention of distributing them to the schools of Michigan, in hopes of awakening an increasing interest in natural history and aiding teachers and pupils in the study of entomology. During the winter this material has been carefully classified and some of it has recently been sent to high schools in different parts of the State.

Through the liberality of the State Board of Agriculture, the department was able to provide some very nicely finished and thoroughly dust-proof cases which are intended to hang on the wall of the school room or laboratory. Each case is 16 in. by 16 in. of polished cherry, with plate glass front, and contains from 65 to 75 common insects, carefully selected so as to show the more important orders found in the State, as well as many of the interesting facts of insects. As larval and adult stages, protective coloration, mimicry, beneficial and harmful species. Each case is accompanied by a clearly printed label giving both common and Latin names, and is numbered to correspond with a descriptive list which is sent with each collection. Of course the collections are not all Michigan insects, but there is a general similarity in all, and the total number of specimens is about the same in each. As an example, collection No. 20 contains the following:

Order Odonata, dragonflies, 1 specimen; Order Orthoptera, grasshoppers, etc., 7 specimens; Order Hemiptera, bugs, 8 specimens; Order Neuroptera, lace-wings, 2 specimens; Order Trichoptera, caddisflies, 1 specimen; Order Lepidoptera butterflies and moths, 17 specimens; Order Diptera, flies, 11 specimens; Order Coleoptera, beetles, 13 specimens; Order Hymenoptera, bees, wasps, etc., 13 specimens; total 73 specimens.

With such a case as a sample, it is believed that students in many of the schools will be inclined to follow up the study, making supplementary collections and learning to see and appreciate the wealth of interesting and valuable material which is everywhere available.

There is little or no prejudice against the collection of insects, and there is not the same danger of extermination which attends the forming of herbariums by beginners in botany. As a field for nature study entomology is unexcelled, the only drawback being the surfet of material and the bewildering number of forms which make the collection almost hopeless to the beginner.

But, recently, several excellent elementary text-books in this line have appeared, and the really enthusiastic teacher will have little difficulty in doing good work, the best part of it being that the pupils will be able and glad to find the specimens, and, with a little instruction, to prepare and present them.

The present plan of distribution is to supply the principal high schools first, not because they need insects for the schools but simply because it is impossible to send cases to all the schools, and the pupils placed in the high schools will be accessible in most cases to the teachers, at least, of the other schools. Since there are more than one hundred first class high schools in the State it will not be possible to supply all these at once, but before another winter it is hoped that this may be accomplished and that some supply may be doled out to the lower schools. Thus far only 25 cases have been sent out, but a supply being doled out is being slowly but surely followed as soon as possible by the remainder. In order that there may be no appearance of favoritism the schools are being supplied in alphabetic order.

In most instances thus far the collections have been received in a cordially — even enthusiastically — and letters from teachers, principals, and superintendents show that they appreciate the gifts.

WALTER B. BARROWS.

Y. M. C. A.

Thursday evening prayer meeting was led by Mr. Burr Hesse. Subject: "Lest We Forget." We are so apt to forget at times that the actions of our every-day life are the materials from which character is built, and failure makes perfection, but perfection is no trifle." — Michael Angelo.

In the morning chapel service were conducted by Rev. Frye of the Central Methodist church, Lansing. Subject: "Colossians, 3:1. "If ye then be risen with Christ, seek those things which are above, where Christ sitteth on the right hand of God." Mr. Frye gave the when, how and why we should seek and the grand result that must be.

The sermon was very interesting and beneficial.

The union meeting of the Y. M. C. A. and Y. W. C. A. Sunday evening was led by Mr. Longyear, Subject: "Be strong." If a Christian character is to be developed it must be strong. The world admires strength of character and what the church most needs today is strong men and women, for that reason Christian students should be in earnest and cultivate those virtues which will result in strong, noble lives.

TENNIS TOURNAMENT.

The tennis tournament played last Friday and Saturday was won by Mr. Judson, jr., Mr. Horton, "sec. one." The matches were as follows:

Preliminary round. Judson-Strobel, won by Judson 6-1, 6-1; Willett-Ehringer, won by Willett 6-1, 7-5

Seami. Final, round, Horton-Willett, won by Horton 8-6, 6-0.

Final round, Judson-Horton, won by Judson 7-6, 6-2, 6-3.

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Our big wagon passes your door daily. Your orders carefully filled.
L. F. Bird spent Sunday at his home in Millington.

The farm department began the planting of corn May 15.

George and Lillian Anderson received a visit from their father Saturday.

The dairy now receives four thousand five hundred pounds of milk daily.

The tennis court back of Station Terrace has been put in shape the past week.

Mrs. Elia M. Kelzie attended the graduating exercises of the Oberlin Theological Seminary Thursday.

Instructor Reed is collecting material in the northern and eastern part of the state for the fertilizer bulletin.

The American Cheese Maker, published in Grand Rapids, had in its last issue a likeness and biographical sketch of Instructor Michels.

The Misses McNeil and Dey, of Springport, attended the military hop Friday evening.

Miss Dey is a sister of Harry Dey, '03.

Misses Mabel McCormick and Irene Farley, of Albion, attended the military hop Friday evening.

Miss Farley will be in College next year. Three other men of the same class are playing on professional State League team, played second base last year for the Central University (Ky.) team. Director Denman was coach of this team last year. Three other men of the same team are playing on professional state league teams this season.

The museum has received two interesting additions, one a specimen of Mound-Builder pottery from St. Louis, Mich., the other, specimens of orthoclase twin crystals, given by Mr. Van Zandt. The crystals were found in Colorado.

W. T. Welch, a student in M. A. C. from '82 to '85, visited the College last week. Mr. Welch remarked that the changes of a decade at the College seemed very great to him. He received for manual labor while here four cents an hour and then, as Dr. Beal and Mr. Troop assured him, was overpaid.

The Russell House, of Detroit, has just placed an order with the Dairy for one hundred and fifty pounds of butter a week. The Cadillacs has had a standing order for some months for from two hundred to two hundred and fifty pounds of butter a week. A Boston commission firm has recently offered to take all the butter the Dairy can furnish in tubs at highest Elgin price f. o. b. Lansing, M. A. C. butter is highly appreciated for quality and flavor.

Mrs. A. E.McCrea, the noted landscape architect of Chicago, visited the College on last Friday. She has charge of the depot grounds and parks of the Rock Island, St. Paul and Grand Rapids & Indians railroads. At one time she had charge of Lincoln Park, Chicago, and much of its grandeur and beauty is due to her energy and skill. She was delighted with the campus and insisted very strongly that the College should offer a course in landscape architecture for young women. She maintains that the work is well suited to young women; that there is a demand for their services, and that there are many able young women in the country who are very anxious to take up such work. At present there is not in this country such a course open to young women.

The X-Ray from the West Bay City High School is a very creditable paper.

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ABOUT THE CAMPUS.

The May number of the Physical Review contains an article by Instructor Taylor on the use of his radio telephone based on wireless telegraphy, together with a brief discussion of two of the characteristic tests given in the wireless obtaining from this instrument last term. Mr. Taylor has installed an apparatus in his room in Lansing which will enable him to devote his evenings to the pursuit of his research work in connection with the single contact coherer.

BOTANICAL CLUB.

The program of the Botanical Club, last Tuesday evening, was exceptionally interesting. The first number was a talk by Mr. J. L. Thornc on Carnations. Mr. Thorne told of the methods of propagation and cultivation. He discussed the fever of the different varieties, their rank on the market. He condemned the Lorenzine and some causes and improved them for courting their losing color in the sunlight. He recommended for white varieties, the rose show and alstroemeria; for pink and merlot, light reds, Dazzler and Cranes; dark reds, Roosevelt and Egypt; yellow, Gold Medal and Novelties. Mr. A. C. Miller followed with a talk on Economic Botany, which was the study of the main crops raised, methods of cultivation and harvesting. Also told of a number of new books recently added to the library.

THE BUFFALO SALE.

The steers fed by the experiment station during the past winter were shipped to Buffalo a week ago last Saturday. They had been fed in the same manner as the steers at first. The first equal areas of corn were cut, one pound cut into the same, the second husked and the third the third from the shock. The results indicated that the silage was an economical feed. The second cut had no superiority over the husked and ground corn fed with the shredded straw. The corn feed was the best shock because the cost of the least the least amount.

In the second experiment, corn meal and cottonseed meal were compared as a grain feed. The advantage was upon the side of the corn meal. Finally corn slage was tried as a fodder for finishing the steers. Twenty steers were made a total of 1490 pounds in five weeks, the daily ration per steer being 25 pounds. All the steers of Letters of Phillips Brocks, 3 vols. Huxley—Life and Letters of Thomas Henry Huxley, 2 vols. Loss of Pasture, 2 vols. Balfour, Robert Louis Stevenson, 2 vols., and Life of letters of Edward Green, edited by Leslie Stephen.

What influence in college life has proved of most force in my later work.

A college bred business man who met with great success in several enterprises said: "If I had my life over again, I would take letters of marks instead of 25 marks, including fifteen dollars. I would not lose any more time, but I would work harder. I would get the most I could do, and would have more time left for rest, and for the kind of growth we all desire. I would like to see more of me and my fellow students."—Michigan Alumnus.

Harvard and Yale met in joint debate May 12, at New Haven. The question was: Resolved, that the association of Chinese students into our new possessions should be prohibitory.

The Michigan Alumnus in its last issue has a series of articles about Michigan Athletics, some of the articles being by prominent athletes. An account of Neil Durand, who is a good athlete, is given, his likeness also appearing.

The Dartmouth College debating team has been trained this year by a debating coach.

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