CO-ED VARSITY HOCKEY TEAM PICKED FOR YEAR

Coach and Class Managers Anounce Personnel-Junior Team Wins Class Championship

the final two match game. played off, the girls' hockey season was closed with the selection of the varsity team from the personnel of the four

The class games played during the the class games have the championship laurels to the junior class, victors over the sphomore class team by a 5-4 score. Wednesday, the senior team defeatn eleven by a 3 - 2 score. ed the freshman eleven by a 3 - 2 score The results of the season rates the var-ious class teams in the following order: the undefeated junior combina tion; second the senior team and sophtion; second the serior that two defeats; third the freshman team with no victories to their credit. The lack of experience was the main factor responsible for the record of the first year stick wielders

gaterial among the girls was displayed and the best players from the four could be selected to form an honorary Varsity team. This selection ras made at the end of the week the four managers and the coach, Miss Ruth Stanwood, and resulted in the Ruth Stanwood, and resulted in the following personnel: Center-forward, Margaret Leitch '26; Inside-forwards, Eleanor Leitch '26, and Eleanor Knox '24; Wings, Alice Milsom '24, Caroline Kessinger '25; Center-halfback, Margaret Hart '25; Left halfback, Matilda Mcter nat 25, Right halfback, Helen Pink-erton '23; Fullbacks, Virginia Rine-hart '23, and Jane Cutter '25; Goal-keeper, Emily Hartzell '25.

This week Miss Burr, an English coach and authority on hockey, will be here to give the girls' teams some points on English hockey and to improve their game generally. This is the first proessional assistance the teams have had and they expect to be greatly helped

FOREIGN LABORERS HERE WILL BE HELPED BY "Y"

A number of foreign laborers will be given an opportunity to learn English and visit Penn State College and the REV. SAWTELLE SPEAKS points of interest in the vicinity through the efforts of the Industria

Committee of the Y. M. C. A.

The foreigners have been imported from Johnstown, Pa. for the purpose of building sewers in State College and will be housed in barracks just outside of The Industrial Committee of college students, has arranged with the contractor to give the men lessons in speaking and reading English to enable them to obtain their naturalization papers. A number of auto tours to points of interest around State College, such as Penn's Cave have been planned for them in additio

PROFESSOR PIELEMIER INVENTS DELICATE METER

A new machine, capable of measuring a force equal to one ten-billionth of an ounce is now part of the equipment of Penn State's laboratories, and made a very interesting exhibit on Pennsyl vania Day, when it was displayed. Th in an experiment on inaudible sound has just been completed by Professor

The instrument consists of a quarts fibre, about six ten-thousandths of an inch in thickness, to which is suspended a mirror and a mica vane at the end of an arm. When a slight force strikes the vane, such as the almost infinitesimal force of a wave of sound of such high frequency that it cannot be heard. the mirror is deflected on the fibre as the vane swings about, and the reflec-tion on a distant scale of a light shin-ing in the mirror indicates the amoun of turning produced by the force. It is then a simple matter to read on the scale, the amount of turning and the fore the relative force acting at that

"I AM A DARN FOOL" SAY THE

SIGNS WORN BY PENN FROSH new method of punishment has been devised by the sophomore vigi-lance committee for freshmen caught

violating the strict rules laid down for them at the University of Pennsylvania.

of the campus yesterday were: "I've a little the bettetr for the match.

freshman cap nor go to the all-freshman assembly," and "I wore knitted man assembly." and "I wore knitted the and colored socks with golf knick-tes. I sure am a darn fool."

The freshmen say that to appear was to be found guilty, regardless of the evidence, but the sophs deny this, and say that the "cours" is conducted on a bas-

that the "court" is conducted on a bas hat would meet the approval of any

MICHIGAN UNIV. FRESHMAN

WORKS IN FACTORY AT NIGHT A great desire for self-betterment must dominate the person of Ralph Warner, a freshman at Michigan Uni versity, who works in a factory in or-der that he may get a college education. In addition, Warner carries sixteen hours a week in an engineering cours at the University.

E. W. Gernerd Merchant Tailor Next to Post Office.

REHAB BANQUET AT "U" CLUB PROVES SUCCESS

The Rehabilitation Club of Pennsyl ania State. College held its annua banquet at the University Club on Sat-urday evening. President Thomas, Dr ials were present and gave short talks suitable to the occasion

Mr. Fuller, chief of the Veterans Bureau, District three, Philadelphia was present and also a representative from the Veterans' Bureau of Washington, both of whom gave short and in teresting talks to the large number of "Rehabs" who were in attendance with their wives or sweethearts. A number of alumni were back to help celebrate the big occusion as this banquet is an important affair for the members of the Rehabiliation Club

The University Club parlors were lecorated with pleasing native plan material and during the evening musi was furnished by a stringed quartette composed of members from the Penr State Mandolin Club.

The "Rehab" Club was much in evidence during the whole day on Satur-day, turning out for the review in the morning and attending the exercises in front of Old Main in a body. The activities of the club prove it be a nea

PENN STATE EARNED \$350,000 LAST YEAR

What have been termed the products of education" amounted ac over \$350,000 last year at Penn State The various laboratories and the 180 parts toward earning this amount of money, which equals approx imately one-sixth the available reven ie for one year.

The greater part of the earnings was made by the creamery and dairy of the college, which together realized profits amounting to \$200,000. The Horticul ture Department cans its over supply of fruits and vegetables, the live-stock poultry and crop departments all do their share, while the Department of Engineering realizes large sums from its furniture manufacture and other minor lines. These departments collec tively supply the remainder of the fund r over \$150.000.

AT SUNDAY SERVICES

The Reverend W. L. Sawtelle, pastor of the First Presbyterian Church of Scranton, was the chapel speaker for both services last Sunday. Rev. Saw-telle is a graduate of Williams College and he also studied theology at Auburn Seminary.

This is not the first visit which the speaker has made to Penn State to address Sunday Chapel. He has been here on several occasions and each time his ermon was enjoyed.

Last Sunday his talk was on "What People Sacrifice for Ideals." Taking the Bible story of the three men who went through the line of the Philistine in order to get water, he applied the ld consider Coun try, Education ,and Religion.

ALASKAN MISSIONARY TO LECTURE TONIGHT

An illustrated lecture by Da John W. Chapman, who was the chapel speaker several weeks ago, and a program by the varsity Quartette will be the features of the Tuesday evening eting under the auspices of the Y M. C. A. tonight in Old Chapel at seve o'clock. For the last thirty-five years Dr. Chapman has been working with the Indians along the Yukon River, and the lecture, describing his experience and life in the interior of Alaska, should be of great interest, for Dr. Chauman areer exemplifies the spirit of the pior

FRESHMEN AND SOPHOMORES

STUDYING MILITARY THEORY Theoretical work began for the fresh men and sophomores in Military Drill November thirteenth. From now on out door work will stop and classes in recitations will be conducted. There will be no more outdoor drill until afte the Easter vacation

TUG-OF-WAR TURNS INTO

REAL ENDURANCE CONTEST The annual soph-frosh rope pull at Worcester Polytechnic Institute, thi After being found guilty by the committee sitting as a court, the erring freshman is forced to wear large placsaids describing the nature of his retime' on his back and chest.

Sample placards seen in the center the pull to the freshman, as they had cuss possible new rulings for intercol-

PENN STATE SOIL MEN REJUVENATE OLD FARMS

sor White of the Agronomy Dept. Announces Results of **Experiments at Snow Shoe**

Considerable reference to the value able work done for agriculture by Penr State has been made in a general way many times, especially since the open ing of the Emergency Building Fund campaign. A specific instance of this work is strikingly set forth in an acount of the experiments conducted by Professor J. W. White of the Department of Agronomy of Penn State

The Department of Agronomy begar in 1916 a study of the most economica means of reclaiming the large areas of ennsylvania farm land which had been abandoned after the fertility of the so on them had become exhausted because the famers had practiced systems of "continuous cropping", which constant-ly removed plant food materials from the soil but provided no means of returning these elements. These "farm out" areas are found in many sections of the Keystone state, representing, in the area comprising DeKalb soil, thousands of acres of tillable land, many sec tions of which have not been unde cultivation for half a century. In order to conduct studies on the reclama-ation of these soils, Professor White and his assistants laid out permanen field plots in different sections of Peni sylvania and have secured some exceed ingly interesting and valuable results during the past six years of experimen

One of the most important agricultu al experiment stations supported by Penn State is at Snow Shoe, where the soil is typical DeKalb mountain land, rather poor for farming purpose Some of the results recently announce by Professor White reveal astonishing and signicant facts that will undoubted ly prove of interest and value to al who are interested in the agricultura welfare of Pennsylvania. A few of the more remarkable results follow.

During the last four years the un treated, that is, unfertilized, soil at Snow Shoe has produced but 752 pound of dry matter to the acre as agains 18,659 pounds to the acre where a com plete fertilizer (containing nitrogen Phosphorous, and potassium com pounds and limestone were applied.

Again, 281 pounds of corn, oats, and
wheat could be produced in a rotation
on an acre of untreated DeKalb soil without fertilizing, whereas a well fer tilized area of the same type of soil produced 6029 pounds of corn, oats, and wheat in a rotation. This year, the unfertilized soil yeilded about three hun dredths of a bushel of corn to the acre while fifty and three tenths bushes resulted on the same soil when a com-plete fertilizer plus limestone was ap-plied. Yields of clover and timothy hay were increased from a few scattered

plants to 4920 pounds an acre.

These results demonstrate beyond a
doubt that Pennsylvania has not hope essly lost her "farmed out" lands, bu that on the contrary scientific agricul ture has found a way to redeem these lands quickly and profitably through the proper use of soil amendments. And since with the growing demand for farm produce will come an increased de mand for many farm lands, the people of Pennsylvania will have to turn to these

Such soil studies as these are seen to be of vast economic importance to the state and worthy of far greater support from the Commonwealth than they now receive. Indeed, the work done by the Soils Technologists, under Professor White, is retarded by lack of finances, and it is hard to predict what results may follow with the acquisition of more nearly ample funds and greater facilities for experimentation

VARSITY QUARTET TO SING

FOR AID OF BUILDING FUND Variety Quartet will be used in hear future by the Emergency the near future by the Emergency Building Fund Committee in severa meetings in, the state to help arouse enthusiasm in the big drive which Penn State is conducting to lay the foundation for a state university. The Director of Music, Mr. R. W. Grant, states that the organization this year is eager to do all it can to help the committee from Campaign Head-

INTERCOLLEGIATE ICE HOCKEY

ASSOC. HOLDS CONVENTION The annual fall meeting of the Inrcollegiate Ice Hockey Association was legiate hockey.

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STUDENT VOLUNTEERS TO PRESENT COMEDY

student volunteer play entitled . Mainwaring's Management" by "Mrs. Mainwaring's Management" by J. R. Froome will be presented, under the direction of J. Gordon Amend, to the Auditorium Friday night at fifteen o'clock. The play is a comedy and is very well handled by a competent cast. Rehearsals are run both morning and evening and it is hoped that the play will be one of the most pleasing of the year. It will be preceded by a plano act by H. F. Tayor '26 and an interpretive reading by Ruth Ellen Jackson of the English De partment and song selections by Cli ord Finley '23 of the Varsity Quartet
An advance sale of tickets will be held at Co-op Thursday evening from even until eight o'clock,

INTERNATIONAL WEEK OF PRAYER NOW UNDER WAY

Special Meetings Will Be Held Every Morning from 7:55 to 8:15 in Old Main

In accordance with the custom of a other colleges and universities through-out the world, Penn State will join in the international week of prayer for oung men commencing this Monda and continuing for the week.

In connection with the observan the week, special meetings will be held every morning next week from 7:55 to 8:15 in room 121 Old Main. To this place, all students are invited to comon the mornings in which the regular chapet sessions do not interfere fo thoughtful meditation and intercession

The regular Bible discussion group and rooming houses will also ob erve the week by holding special meet ings on Monday, Wednesday, and Fr. day evenings. At these times ly prepared pamphlet for the occasion by Dr. Harry Emerson Fosdick will be sed. These pamphlets are now avail able at the "Y" Hut for all who care t obtain them

Vitally Necessary

over half a century in man ands the observance of the week of prayer for young men has helped to hole namic purpose and practice of the As sociation. The Y. M. C. A. is a super human enterprise which cannot achiev its high and unselfish ands three man wisdom and energy only. cessory prayer must hold the central place in its plans and activities.

The vital need for this week of prayer is expressed in the November Issue of "Association Men".

"But most of all we realize our fel wship the world around. In every college and university where the love of Christ is felt, a band of His disciples will gather to intercede for their fellows The hungry, ill-clad student in Petro-grad or Prague will thank God for the help American students have given and invoke a blessing on them. Care-free, healthy American students will pray for their suffering brethren in Arnenia, and by prayers will be moved to aid. The English student wil for a better understanding of the India student, and the Japanese student will pray for a closer fellowship with the Chinese. America students will cry for mercy that we have been so indiffer-

"And so it will go. In every nation, neart barriers of pride and prejudice will go down before this flood of prayer and the healing and invigorating spirit of Christ will enter in. Men of tomorof Christ will enter in. Men of tomor-row will see visions and will resolve to make them come true. The Holy Spirit will work in a day the changes in human lives that years of persuas and argument could not bring al

ALL OUT FOR THE COMBINED MASS MEETING WEDNESDAY AT 8:80 O'CLOCK

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TENNIS TOURNAMENT **ALMOST COMPLETED**

Capt. McVaugh and Laws, Sole Remaining Veterans, Will Be Nucleus for Varsity Team

OUTLOOK FOR BOXING TEAM IS PROMISING

Abundance of Lightweight Mater ial Will Afford Keen Competition for Varsity Berths

Although no actual tryouts have been aged so far this year, the prospects for Penn State having a winning boxing team are very good. Several varsi-"23, in the one hundred and seventy-five pound class is expected to return to school in time for the boxing season.

No coach has yet been chosen to take he place of L. D. Chapin who coached the team last year but who has not re turned this year. Bezdek, howey has one or two men in mind and a new coach will probably be chosen in a week or two, so that the winter's work in oxing can be started.

There are several men in the south ore class, among whom are T. erbe and H. B. Young, who worke ard last year, and who are expected to show up well this year. The freshm class is also putting into the boxing circle a lot of good material which

very promising.

About the only thing that is lacking is a man to fill the heavyweight berth. As yet there is no one in view and ur a man from the football squad is and put in trim the position may still be unfilled when the boxing season starts.

FYES'

FOR Groceries **Notions** Dry Goods

HEAVYWEIGHTS NEEDED FOR WRESTLING SQUAR

(Continued from first page)

ment which will decide the squad personnel for the spring sport.

Coach Myers will build up his team from McVaugh and Laws, the sole remaining veterans, who will be augmented by Nissley, Reed, Gillen, and Patzinger, with perhaps one or two in addition. Over the winter months, light workeouts will be held in the Armory, to keep the men in condition.

The freshman class, as a whole, is

workouts will be head in the Armory, to bound class is a consistency. The freshman class, as a whole, is showing unexpected interest in the sport, and some likely prospects have cit 23, and Thomas are also variety been brought to light, notably Cottom possibilities. In the heavyweight class and Malpas, both of whom show great brought class of Runser leaves W. M. Boyd, K. E. Dartmouth Travel Club. The ner roomise.

Regular varsity work will not star August varsity work will not start until after Thanksgiving. For the next few weeks, however, Detar will hold light work-outs on Monday, Wednesday and Friday for the senior and junior candidates and on Tuesday and Thurs-day for the sophomores and freshmen.

BOTANY DEPARTMENT HAD FIRST PROFESSOR OF BOTAN

Professor J. S. Whitman was the fire professor of Botany at Penn State and probably the first in the coun-try to hold the position of Professor of Botany. He was head of this depart ty men are very good. Several variety to men are back in college and are expected to produce the same class of boxing that they did last year. R. L. Black other men at the head of this department. They are J. Clarke Henry, A. A sixty pounds will be on hand and Clark Rothrock, J. Trimbell, W. A. Buckhout and Dr. Kern, who is now head of th Botany Department, coming here is 1913.

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FROSH WIN LAST GAME OF SEASON

(Continued from first page)
perience made Evans the final c;holce,
Five men are very evenly matched in period resulting from a general
the forty-five pound class, K. Natto, 24 strengthening of the formes attack
the wiry Jap wrestler, A. R. Mande-Nucleus for Varsity Team

In spite of the heavy losses incurred by graduation hast year, prospects for a good tennis combination in the spring are bright. One round yet remains to be played off in the elimination tournament which will decide the squad personnel for the spring sport.

The three heavyweight classes lack the material that the lighter divisions, have, J. A. Parthemore, '25, and T. E. Ellwood, '24, should put up a good for the spring sport.

Ellwood, '24, should put up a good for the spring sport.

The three heavyweight classes lack the material that the lighter divisions, have, J. A. Parthemore, '25, and T. E. For the second score.

During the last was materially aided by a chirt park was carried across. A steady drive to fine bucks and end runs which the material that the lighter divisions, have a carried across. A steady drive of line bucks and end runs which the steady drive are park was carried across. A steady drive of line bucks and end runs which the steady are constant.

FORM TRAVEL CLUB

promise.

The spring schedule, while not derlinely arranged as yet, will include more home games than has been the case heretofore.

FORM TRAVEL CLUB

Dartmouth's newest student organization has been officially named the Dartmouth Travel Club. The new name was adopted at a recent meeting of the organization. It is intended that the case heretofore. mation, but later in the year its membership will be increased. The Club will aid men in the college seeking to work their way to Europe. and help all Dartmouth men intending



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