

# The New Hampshire.

## VERMONT UNIVERSITY DEFEATS N. H. 21-7

LONG TRIP TAKES FIGHT AND ENERGY OUT OF PLAYERS

### WESTOVER PLAYS AT QUARTER

In Third Period Vermont Makes Touchdown from Kick-off—N. H. Captain Goes 50 Yards for Only Touchdown

New Hampshire was beaten fairly and squarely last Saturday by the University of Vermont to the tune of 21 to 7. The weather was ideal for football, the snow round about on the mountains giving the breeze a spicy feeling and made the players hustle to keep warm. The same condition of affairs seemed to prevail in this game as in most of the previous ones—that is, something seemed to be fundamentally wrong with the morale of the men. As usual the first half was wasted, the men playing with absolutely no pep and letting Vermont slip over two touchdowns. The second half started off the same way New Hampshire kicked off to Vermont and Burke went through the whole New Hampshire team, 70 yards for a touchdown. This, however, proved the last straw for New Hampshire and thereafter Vermont only came within scoring distance once.

#### The Game.

The game started with Captain Westover winning the toss and choosing the north goal from which a rather strong wind was blowing. Vermont kicked off and Broderick ran the ball back ten yards. New Hampshire was unable to make first down and punted. Vermont made first down a couple of times and then lost the ball. New Hampshire was again unable to make her distance and kicked. This time a Vermont man took the ball over for a touchdown on the first down but it was disallowed and the ball was brought back to the 30 yard line where the runner went off-side. The rest of the period was spent in line bucking by both sides and the quarter ended with the ball in New Hampshire's possession on her 20 yard line.

In the second period Vermont scored a touchdown by wide end runs with two or three forward passes mixed in, and then they repeated the performance. All this time New Hampshire was unable to get within scoring distance and the half ended with the score Vermont 14, New Hampshire 0.

#### Vermont's Scoring Ends.

The third quarter opened disastrously for New Hampshire by Vermont's making a touchdown from the kick-off. This ended Vermont's scoring, however, and never again were they dangerous during the game. This last touchdown seemed to wake the New Hampshire men up and put some "pep" into them. In the last of the quarter, with only three minutes left to play, Brackett shot a pretty forward pass to Westover out at one side with no one near him. Westover, with rare judgment, did not take the way down side line which seemed to the spectators to be open, but darted directly for the center of the Vermont backfield which seemed to fall apart and let him through for a 50 yard run and a touchdown. Broderick followed this up by kicking the goal. New Hampshire then kicked off to Vermont and the quarter ended with the ball in the latter's territory in New Hampshire's possession.

In the last quarter the New Hampshire team showed its real worth and outplayed Vermont in all stages. Not once in the last period was the ball within 20 yards of New Hampshire's territory. Time and time again the Blue and White players advanced the ball to Vermont's 5 yard line only to lose it on downs. They seemed to lack the necessary punch to push the pigskin over. The game ended with the ball on Vermont's 25 yard line in New Hampshire's possession.

Palmer, Vermont's new quarterback showed up exceptionally well as did their center. For New Hampshire Westover starred, our doughty little

Continued on Page 4

## JUNIORS VISIT NAVY YARD AT PORTSMOUTH

Engineering Instruction Trip Takes in Dry Docks, Boat Shops, Machine Shops, Etc.

The construction of the largest submarine known was only one of the many sights seen by the Junior engineers on their instruction trip to the Portsmouth Navy Yard, Wednesday, November 3. The trip was made in automobiles leaving Durham about 9.30 and going by way of Dover.

Upon arriving at the yard a guide was procured who first showed the visitors the submarine under construction for the U. S. Navy. As far as is known it will be the largest submarine in the world. A large part of the framework had been completed.

The next building visited was devoted to the making of masts, poles, bars and kindred articles. Here were seen wood turning lathes of all sizes from those such as are used at Durham in the wood shops to those large enough to turn tall masts. In this shop were seen wireless masts for the U. S. S. Tennessee now in the dry dock. The Tennessee was the battleship used to convey funds to the stranded Americans in Europe when the war broke out; and was afterwards fired upon in the Dardanelles. It is now undergoing a thorough over-hauling in the dry dock at Portsmouth.

#### BOAT SHOPS.

Another building near this one was engaged in the building of cutters for the revenue and other service. From there the party went to the forge shops with their oil burning forges and then to the foundry. This proved to be a source of interest to everyone, especially as the workmen were then engaged in pouring brass. The sight of flaming white hot molten metal as it fell from the lips of the crucible was irresistibly fascinating. Each red hot crucible as it was emptied was placed aside to cool and gave off an appreciable heat even at a distance of five feet.

#### NAVAL PRISON.

After dinner a short visit was made to the naval prison where a splendid outlook on part of the river and harbor was enjoyed. No one went inside the jail for fear of being recognised.

The pumps for draining the dry dock were kept in a building resembling a roundhouse, except that going in from the level of the ground, you find yourself many feet above the pumps which were installed at the bottom of a large well. This was done to bring them below the level of the bed of the dry dock.

#### FIRE AT SEA.

An amusing incident took place when one of the small power boats suddenly took fire. The bilge of the boat was filled with puddles of gasoline that fed the flames until the boat appeared doomed. Other boats were moved out of dangerous proximity and an alarm was sounded that brought the workmen scurrying from all parts of the yard. Fire-extinguishers, water, and hand grenades proved of no avail until the fire suddenly died of its own accord to the visible disappointment of many of the sailors.

#### POWER PLANT.

Inspection of the large power plant was a source of interest to all. Particularly interesting was the section of armature shaft of steel eight inches in diameter that had been sheared off through some mishap. Machine shops with mammoth planers and overhead traveling cranes, pattern shops, electrical shops, and wood shops of diverse purposes made the day all too short and the party was soon on its way to Durham. Those who took the trip from the college were Professor R. H. Porter, H. S. Kidder, T. R. Anderton, W. A. Dudley, E. F. Cutts, W. H. O'Brien, J. Frisbee, G. D. Parnell, C. W. Archibald, R. L. Nelson, R. T. Roberts, R. E. Hodgdon, and A. S. Burleigh.

Professor K. W. Woodard of the Forestry Department spoke last night at Claremont, N. H., to the Sullivan County Grange upon the subject "The Woodlot."

## MR. RICHARD PATTEE TALKS TO AGGIE CLUB

FIRST MEETING IN NEW QUARTERS OF THE ORGANIZATION.

### PRODUCTION OF MARKET MILK

Different Systems of Buying Milk in Various States Discussed—Question of Getting Milk in Canada

Mr. Richard Pattee, of Laconia, spoke last Monday night to the "Aggie" club in Morrill Hall on the subject of "Market Milk Production in New England." The meeting was the first in the history of the club that has ever been held in a room that was built especially for it. The room was built on the top floor of Morrill hall this summer but has not been used by the club before.

#### OBJECTION TO QUEBEC MILK.

Mr. Pattee outlined the lengthening of the radius from which Boston got her milk supply 15 years ago and show-

## BOSTON OCTETTE CONCERT OPENS LECTURE COURSE

Program Enjoyed by Large Number—The Company an Old Favorite With New Hampshire Audiences

A large number of the students and townspeople of Durham were privileged to listen to the acme of musical perfection when on Friday evening, November 5 the lecture course committee presented a program by the Boston Octette, consisting of the Schubert quartet, Harold S. Tripp, Charles W. Swain, William W. Walker, and A. Cameron Steele, assisted by Gertrude Holt, prima donna soprano and by the Liszt trio, which was composed of Barbara Werner, violin, Hazel Lafreicin, cello, and Mathie Kinsman, piano.

Without doubt the hit of the evening was the imitation of the Irish folk song with bagpipe accompaniment given by the Schuberts. Mr. Steele in announcing the selection, made the statement that the quartet would not dare to give a



THE FOOTBALL SQUAD

ed the objection to farther lengthing it into the province of Quebec. He pointed out that not only is Quebec a foreign country and Boston milk dealers cannot control the conditions under which the milk is produced but also the money that is paid for milk in the province of Quebec does not find its way back to Boston banks but goes to the bank of Montreal instead. The question, he said, of where Boston is going to get her milk is not alone for the farmers but for the bankers, transportation companies, grain merchants, etc., who have their headquarters in Boston.

#### PRODUCTION AT A LOSS.

Both mature cows and young stock are disappearing from New England farms, said Mr. Pattee, and the reason is because the production of milk has been conducted for the past years either at a loss or just at cost simply because the Boston markets did not pay a fair and reasonable amount for the milk. Thus, because no profit has been made, the farmers have dropped the production of milk for market.

#### NO BUYING STANDARD.

Another factor that has hurt the farmers is the fact that there are so many different methods of buying all over New England. Maine has one system, New Hampshire has another, while Vermont has four different systems of selling the milk into Boston markets. Naturally, Mr. Pattee said there is much dissatisfaction felt between different sections which can never be done away with until there is a fixed and uniform rate all over New England.

#### MOVING PICTURE MACHINE FOR ENGINEERING DEPARTMENTS.

The electrical engineering and mechanical engineering departments have jointly purchased a moving picture attachment to be used on the Thompson Reflectorscope owned by the electrical department. It will accommodate films up to one thousand feet in length and is made by the Thomas Edison Company of East Orange, New Jersey. It will be used in educational work in engineering and by the engineering society.

## POINT SYSTEMS USED IN OTHER COLLEGES

USED TO SECURE WIDER DISTRIBUTION OF UNDERGRADUATE OFFICES

### LIMITS HONORS ONE CAN HOLD

In Use in Many Large Institutions—Self Support Gets Credit at Beloit College.

A problem, new to this college, but bound to come with the increasing registration, is that of limiting the number of honors that any one student may hold. Solutions under the term "Point Systems," i. e. rules designed to secure a wider distribution of undergraduate offices, employments and honors, have been adopted in a number of institutions.

#### GENERAL SYSTEM.

All the regulations of this sort which have been examined agree in giving to each student office a definite value, based apparently upon the amount of time which it requires. In larger institutions the evaluation of the entire list of offices is a work of some magnitude. Thus at Wellesley no fewer than one hundred and thirty-nine offices, are enumerated and grouped as worth 30, 20, 15, 10 and 5 points, respectively. The next provision common to all such regulations is the fixing of a maximum number of points in excess of which no student is permitted to hold offices. At Wellesley, for example, it is placed at thirty points. As there are twenty-one student offices in the college each of which is rated at this figure, it follows that incumbents of these offices can hold no other. Combination of offices of lesser value is permitted so long as the maximum is not exceeded. Wellesley further provides that no conditioned student shall hold more than a five-point office, and no student who has not more than diploma grade more than a ten point office. At Barnard also there is a rule reducing materially the number of points allowed students whose work is of poor quality.

#### CREDIT FOR SELF SUPPORT.

Quite generally the administration of the system is entrusted to the student government association. In some cases a committee of under-graduates especially appointed for the purpose keeps track of the situation with the aid of a card catalog. At Beloit a committee consisting of the dean, one member of the faculty and two student members elected by the student body, one from each of the upper classes, administers the "schedule of points," which was voted for originally by the faculty and student body. An interesting feature of the system of this college is that it includes work done for self-support which is evaluated according to the amount of time required. Entire self support is counted as six points, the maximum permitted by the rules being seven. However, the committee is given full discretion to disregard points charged against a student on this ground.

#### MAJOR GENERAL LEONARD WOOD TO SPEAK AT CHAPEL, DEC. 8.

Lieut. S. J. Sutherland will speak to the Men's Club of Trinity Church at Tilton, N. H., November 18. He also announces that Major General Leonard Wood will speak at Chapel, Dec. 8. Convocation will be called at 1 P. M.

#### MEETING OF ECONOMICS CLUB.

At the meeting of the economics club held at the economics recitation room last Thursday evening, papers were read by Steele and Harriman. This was followed by an exciting discussion in which Prof's. Smith and Ham told some very interesting facts about rates.

program and omit this number from it. It is unnecessary to say that the Schuberts presented a fine program. Those, and there are many, who have heard the quartet here in the past know that this is almost an axiom.

The Liszt trio gave also its usual high class program. Miss Werner has exhibited her mastery over the violin once before in Durham, and Miss Kinsman has accompanied the Schuberts with much ability in their musical numbers. Miss Lafreicin made her first appearance before a Durham audience at this time and her work with the 'cello justifies the desire that she may be heard here again.

The soprano, Miss Holt, had a voice of excellent power and range, and from her high notes to the depths of tone reached by Mr. Steele, a wide range of tone was reached. The ensemble work of the octette was particularly pleasing.

#### PROGRAM.

- Selections from "Bohemian Girl," Balfe  
The Boston Octette
- Violin Solos  
(a) Caprice Viennois, Kreisler  
(b) Mazurka, Zarzycki  
Miss Werner
- Quartette, Selected  
Tower scene from "Il Trovatore," Verdi  
The Boston Octette
- 'Cello Solo, "Harlequin," Popper  
The Schuberts
- Quartette, "When the Corn is Waving,"  
The Schuberts
- Soprano Solos:  
(a) "Somewhere a Voice is Calling," Tate  
(b) "A Song of Joy," Woodman  
Miss Holt
- Instrumental Trio, "Scherzo," Godard  
Liszt Trio
- Sextette from "Lucia di Lammermore"  
Donizetti  
The Boston Octette

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# The New Hampshire.

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## EDITORIALS.

### A TIME FOR EVERYTHING.

Now that the rushing season is past and with it a quarter of the year, what is the individual college man doing about his scholastic ideals? How far has he succeeded in attaining that degree of efficiency in his daily life that makes the trained man? Efficiency is the key note to success in college, as elsewhere; the ceaseless chain of varied events swamps the unprepared. A man just can't think of drifting blindly through life here, only receiving passively what chances to come his way. Let him wake up and comprehend his responsibility. System is what a man wants. It is the foundation upon which he builds. Back of the ringing of "T" Hall bell is the schedule board, a mass of variegated slips of cardboard that controls the thoughts and movements of six hundred students through the major portion of the day. That is the system of the college; with it affairs move literally with clocklike precision; without it all would be hopeless confusion. Does not this commonly known fact furnish a clue to those seeking efficiency? What is the matter with extending the idea to include that of an individual schedule, not for half the day, but for every hour in the whole 24? Not only is such a course possible but highly practicable, as well. The man who adopts it will seldom meet with immediate success and quite likely will be forced to remodel it occasionally. Nevertheless, he will find after a conscientious trial of the system that he is pretty much at sea without it. By its use he finds added zest in his work. His search after efficiency becomes a game. He drives his work and doesn't let it turn on him. He is master of the situation, so to speak, in just that degree to which he has perfected his schedule.

The idea back of the schedule is always to have a definite thing to do at a definite time. Under such a system a man has right on paper before him the plan of his week's work. He knows with some certainty what he will be doing at a certain hour on any given day, the time may be a month ahead, but it is all the same to him. Therefore, he is able to so arrange his study hours as to obtain the greatest possible concentration of effort and with a sensible proportioning of the time, all subjects are given their rightful amount of attention. If these two things are accomplished, then the schedule has done its chief work.

### FOR ALMA MATER.

The student body is going to Worcester today better than 300 strong. Each individual should remember that he is the representative of a college of men and women and that he will be marked as such by all who come into touch with him. The reputation of the college will be formed in Worcester by the way its representatives conduct themselves today. Let there be rousing cheers and songs, let there be enthusiasm galore, but let it not be forgotten for a moment that the student body are gentlemen

and ladies from a real college. As representatives of New Hampshire College, it is to be hoped that no one will do or say anything that would lead anyone to infer that the offenders were from a high school or academy. Such senseless drivel as flippant remarks, falsetto brilliancies, boorish ditties, and any other forced attempts at wit, painful, are entirely unnecessary and should be frowned upon.

Men and women of New Hampshire—do your part to maintain the dignity and prestige of this institution, so that the people of Massachusetts may receive that splendid impression of your Alma Mater that her students are capable of giving!

### THE SONG BOOKS.

About a dozen out of over 150 freshmen availed themselves of the opportunity after chapel a week ago Wednesday to purchase a college song book. This really was an opportunity neglected, as it is only since 1913 that such a privilege has been possible. Last year, at the expense of much effort, the Girl's Council, with the cooperation of Dr. A. E. Richards, got the books out. Their sale at first was a little slow, and it was feared that the undertaking would fall through, but it did not. The initial expense of publishing the book was large but with the support of the freshmen this drawback will be overcome. Any profit which accumulates from the sale of the books will be used by the Council for the benefit of the college. It is to be hoped that the freshmen will see their privilege and duty with respect to purchasing these books and that their college spirit in this matter may not be impeached.

### ATHLETIC EFFICIENCY.

When teams from colleges in other states come to compete with New Hampshire they arrive in town the day before the game in order to be in good condition for the contest. But, when New Hampshire's team is sent to some distant college it is necessary for them to travel all night. What is there to justify this? Is it a matter of expense? If it is, the trouble is not with the Athletic Association; it is with the partial support it has received. While the student body is to be commended for what has been done in this respect, there is a chance for improvement. The Middlebury and Vermont games may not have been lost solely because of this night traveling, but it was perhaps a contributing factor. Here's hoping that the future may see an improvement in this respect and that New Hampshire teams may be more efficiently prepared for their contests.

### FROM THE PADDED CELL.

The holiday's are coming, boys, its time to tighten belts. We've got to hunt up appetites like a trapper after pelts, for when we're going home again as we are soon to do, we'll need more room for home cooked food than for our Durham stew. Before we leave for those dear spots along the B. and M., let's not forget our business here, but study all we can. A good long time for study, with a little sleep and fun, will put us in a better trim than any single one. If lessons now seem harder and exams are coming out, don't cringe, but fight the harder, and meet them with a shout. An N. H., man should always, whether studious or not, try to keep his college pathway from approaching a straight rut. Intersperse your work and study with a curve called pleasure line, and you'll find that you will more enjoy this glad Thanksgiving time!

### THE AGRICULTURAL CLUB.

The college should be proud of its Agricultural Club. The row of trophies spread before the group as the photograph was being taken for the Granite evoked much surprised comment from those not acquainted with the workings of the organization. It surely provides an incentive for the newly organized Engineering and Arts and Science clubs to make good. When these two organizations get to working there will be still more reason why New Hampshire College is taking its place among the leading institutions of the country.

### RURAL CLUB FOR GIRLS.

A person hears so much about the extension work done among the New Hampshire farmers that he almost forgets that others in the rural community are given attention, for instance, the girls through organized club work.

This is especially noticeable at present because of the part played by the girls from Cheshire County at the County institute in Keene last week.

### WHILE AT WORCESTER.

Keep one eye on the cheer leader at all times.

Bring your arm bands, megaphones and pennants.

Sing for all you are worth, and keep together.

Applaud good plays no matter what side makes them.

Cheer harder than ever if the team appears to be losing.

Do or say nothing, no matter what happens which will be offensive to the opposing side.

Don't be late for the train.

Remember that whether alone, in a small group or a large one you are making a reputation for New Hampshire.

Let the team know you expect it to win.

Let it be to your everlasting shame if you haven't a husky voice at the finish of the game.

### CHEMISTRY DEPARTMENT FINDS NEW ATOMIC VALUE FOR ELEMENT.

Prof. Charles James and his collaborators who are at present engaged in a work which they hope will result in a more complete and more perfect knowledge of the relative weights of the rare earth atoms, have recently harvested some fruits of their labors. The value for the atomic weight of praseodymium, as determined by one of the above men, has just been accepted by the "International Committee on Atomic Weights," and has been included in its yearly report.

The atomic weight of praseodymium has, for years, been 140.6—the result of the careful work of Branner. The new value is 140.9. Praseodymium, it will be remembered is one of the elements which were discovered by Auer von Welsbach of gas-mantel fame, when, in his brilliant researches of 1884, he split the pseudo-element didymium into the two new elements which he called neodymium and praseodymium.

### HONORARY FRATERNITY PLEDGES.

Alpha Zeta has pledged V. A. Perkins '16 of Claremont, and J. A. Sullivan '16 of Dover.

The Senior Skulls have pledged the following men from the senior class: P. S. Ward of Milford, R. J. Bugbee of Claremont, E. F. Swett of Andover, F. S. Manter of Manchester, and H. S. Brown of Manchester.

### ON TO WORCESTER.

New Hampshire is a funny place With all its pros and teachers, But what is needed most just now Is a band of Worcester Screamers.

New Hampshire has a special train That runs from here to Worcester, And when that special train pulls in By Jove it will be a booster.

New Hampshire has a student band About six hundred strong, But will they all be in the line When the special comes along?

New Hampshire has a vision That there won't be many there, For the spirit of New Hampshire Lies asleep, we know not where.

New Hampshire! word of all words, Can you rouse us from our sleep, And with love and blind devotion Make our hearts more loyal leap?

New Hampshire, Foster mother Yes we know this can be done, For the transformation process In our hearts has now begun.

New Hampshire, Foster Mother May our love yet stronger grow, That like Yale and Brown and Princeton Our deep love for thee may show.

### ALPHA CHI SIGMA TO HAVE STUDENT CHEMIST'S GATHERING.

The Alpha Chi Sigma fraternity will hold an informal gathering of all men interested in chemistry on the evening of November 18 at college club rooms. It is desired that all freshmen who intend to follow chemistry as a life work avail themselves of this opportunity of meeting the chemical faculty and upper classmen.

The relation of the chemist to all phases of life will be discussed. Another feature will be an experimental demonstration of reactions between solids and liquids.

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### SECOND YEAR MEN DEFEATS

2 YR. '17 IN FOOTBALL

Class Game Won by Upperclassmen 12-6  
—Quarterbacks Eastman and Whitman  
Star for Their Teams.

The second year two year team defeated the first year two year team here on the campus last Saturday by a score of 12-6. The game was interesting and many long gains were made but the greater weight of the second year men was too much for the lower class team, which was defeated only after their rivals had been forced to show all they had. The stars of the game were Eastman and Whitman, who played quarterback for their respective teams. The line up was as follows:

2nd. year	1st year
Corliss, re	le, Golding
Schoolcraft, re	
Hunt, lt	rt, Smith
Davy, lt	
Tootill, lt	
Harling, lg	rg, Rounds
Crowley, lg	rg, Brown
Joslyn, c	c Sanborn
McGrath, rg	lg, Miller
Norris, rg	
Carleton, rt	lt, Erskine
Olson, rt	
Elam, le	re, Warren
Turner, le	re, Jones
Eastman, qb	qb, Whitman
Norman, rlb	lhb, Weston
Rice, lhb	rhb, Webster
	rhb, Prentiss
	rhb, Clark
	fb, Farnham

Russell, fb  
Tootill, fb  
Hunt, fb

Summary: Touchdowns: Eastman, Hunt, Whitman. Referee: Hewey. Umpire, Nevins. Linesmen: Badger, Low, and Foss. Timer, Ward. Time two ten minute quarters, and two eight minute quarters.

Saturday, Nov. 6, Professor O. L. Eekman spoke at Lancaster, N. H., to the members of the Cow Test Association, on "Bovine Tuberculosis and Abortion."

## Last Call Upperclassmen Attention!

If you do not want the readers of the 1917 Granite to see a blank space after your name, send in a complete list of your activities at once.

J. D. COLOMY, Associate Editor

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It has taken the inexperienced farmer a little longer to sort the true from the untrue, the wheat from the chaff, in the maze of confictory catalog and local dealer separator claims, but year by year the ever-increasing proportion of farm separator buyers is reaching the same conclusion as the creameryman—that the De Laval is the only cream separator they can afford to buy or use.

Many other cream separators have

come into the limelight of publicity for a few short months or a few short years, claiming to be 'as good as' or 'cheaper' than the De Laval, but their users have sooner or later found them lacking in some one respect or another, and even where a few have seemingly done well their users have come to learn that the De Laval was a still better machine.

The unfit or the less fit cannot possibly survive for long in separators or anything else. Think of all the separators you used to see advertised so extravagantly in your favorite farm papers? Where are they now? Why do you seldom, if at all, see their names mentioned? Simply because the fittest must survive and 'he others must fall out of the race.

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### NEWSY ITEMS OF THE ALUMNI.

#### PRESIDENT OF ALUMNI HONORED BY FRIENDS

H. E. Barnard, '99 Comments on Growth of College—A. Brogini, '07 at Cleveland, Ohio—Small Notices About Others.

W. F. Purrington, '06, recently attended the convention of the International Dairy and Mills Inspectors' association at Washington, D. C., as a representative of the New Hampshire State Board of Health. While in the capital, Mr. Purrington was tendered a complimentary dinner at the New Ebbitt, at which the following persons were present:

Prof. and Mrs. C. L. Parsons of the Bureau of Mines; Prof. and Mrs. I. C. Weld, Secretary-Treasurer of International Dairy and Mills Inspectors Association; D. L. Randall, '05, and wife of Bureau of Agricultural Education; C. O. Dodge, '05, and wife, of Bureau of Chemistry; W. O. Robinson, '05, of Bureau of Soils; W. S. Abbott, '10 of Bureau of Entomology; N. Dearborn, D. Sc., '01, of Biological Survey; Prof. C. Brooks of Bureau of Plant Industry; and P. L. Gowen, '12 of Bureau of Chemistry. New Hampshire College was the principal topic discussed. Mr. Purrington is president of the New Hampshire College Alumni association.

H. E. Baynard, '99, is delighted with the news he gets from Durham of the wonderful increase in the number of students, the development of new courses, and the construction of new buildings. Mr. Barnard has certainly done his share in placing New Hampshire College on the map. He holds the positions of State Food and Drug Commissioner, State Commissioner of Weights and Measures, and Chief of Division of Chemistry of Indiana.

B. A. Lougee, '09, has developed a prosperous electrical business in Pittsfield under the firm name of Bernard A. Lougee Co.

D. W. Anderson, '10, is teaching science in Manchester high school.

H. R. Tucker, '12, has left Y. M. C. A. work in Rock Hill, S. C., to become a salesman for the Cushman and Denison Manufacturing Co., New York City.

C. A. Dodge, '07, is in the employ of the Welsbach Light Company, Gloucester City, N. J., as chemist.

H. F. Judkins, '11, is Associate Professor of Dairy Husbandry at The Connecticut Agricultural College, Storrs, Conn.

C. W. Kemp, '11, is now teaching Agronomy and Farm Mechanics at The Theodore N. Vail Agricultural School and Farms, Lyndon Center, Vt. At the same institution A. R. Merrill, '04, has been director for almost six years.

A. Brogini, '07, electrical engineer in the employ of the National Carbon Co., of Cleveland, Ohio, is well pleased with the formation of New Hampshire's new Engineering Society. It is interesting to note how the National Carbon company provides technical literature for the use of their employees. This concern has a reading room where many books and pamphlets, catalogues, magazines, patents, borrowed books, and outside books pertaining to scientific subjects are available to employees. Mr. Brogini also says that New Hampshire scores appear regularly in the Cleveland Sunday papers.

F. L. Hooper, ex'10, of Winchester, N. H., says, "Old N. H. C. is very near and dear to me and I surely rejoice in the way she has grown in the past few years."

#### COLLEGE HERD RECORD.

The college herd of 21 milch cows produced 16,737 pounds of milk in October. The record of the highest producer is 1259 pounds, or an average of 40 pounds per day. The milk was sold in Durham to 57 retail customers and 10 wholesale, that is boarding clubs and fraternities.

Nov. 13, F. S. Prince, assistant professor of Agronomy, will speak on "Soy Beans for Soiling and Silage" at the County Farmers Organization in Keene,

#### WOMEN STUDENTS OF COLLEGE FORM "THE BOOK AND SCROLL."

A literary club for the study of poetry has just been formed by the women students of New Hampshire College. The club is to be known as "The Book and Scroll," and at present comprises twenty-five members. The study and appreciation of the works of modern poets is to be the aim of the club for the present year.

Dr. and Mrs. A. F. Richards, are honorary members, and Phyllis Blanchard, '17, is the founder and first president of "The Book and Scroll." (her officers are: Vice President, Clarice Shannon; Secretary, Goldie Basch; Treasurer, Gladys A. Brown; Librarian, Florence Dudley. The Book and Scroll meets in the Woman's Room in Thompson Hall on the first and third Tuesday evenings of each month.

#### SIX INOFFENSIVE ARTICLES HELD IN DURANCE VILE.

I am lost. Please, please, find me. I have been dealt grievously with. Dame Fate has caused me to become separated from my former company and I am now in a dark green box awaiting the fate of time. Where I came from I cannot tell. Would that I could. Gladly would I leap the bounds of this dismal cell and return to those I was formerly with, to feel their fingers caress me, their pockets unfold me, their locks yield to my touch, and their knowledge be enhanced by my presence.

I have just peeped over the edge of my box and found where I am. I am in the Registrar's Office safely guarded by the valiant legions of Ham and Hen (derson.) Oh come and take me away. I am lonesome. With the exception of Miss Richmond and Miss Maddox I am friendless and I fear I'm in their way. Oh master or mistress, if you have a heart within you come and take me home to my native habitat.

- Signed:
- One gold watch and chain.
  - One Moore's fountain pen.
  - One fountain pen unknown origin.
  - One handkerchief containing a dime (Soiled.)
  - One bunch of keys.
  - One Dictionary.

#### PROF. J. H. GOURLEY LECTURES AT AGRICULTURAL GATHERINGS.

Professor J. H. Gourley, head of the Horticultural Department of the college, spoke Wednesday, November 10, at Portland, Maine to the Portland Farmers Club on "House Garden and Small Fruit Growing."

Mr. Gourley will also speak next Wednesday, November 17, at Morris-town, Vermont, to the State Horticultural Association upon the subject "Factors Which Influence Regular Bearing in the Orchard." The Association will have a fruit display which Professor Gourley will judge.

#### PRESS BULLETIN ISSUED ON STATE WIDE TEST OF ALFALFA.

A press bulletin on alfalfa compiled by Professor F. W. Taylor was recently issued by the extension service. It is based upon a comparative test of eight strains of hardy alfalfa on the college farm, beginning in 1912 and lasting two years, by which time it was decided that the Grimm was the best and most promising. Grimm seed was then distributed to 122 farmers in the state who cooperated in making authentic tests. The results showed the necessity and value of inoculation and liming. The best stands were secured on well-drained, stony or gravelly loam soils with a southern exposure.

The superiority of the Grimm lies in its characteristic spreading or branching root system as compared with the usual single top root of the common.

#### EXCHANGE OF APPLES BETWEEN HORTICULTURAL DEPARTMENTS.

The Horticultural Department of the college is exchanging with the horticultural departments of other colleges, boxes of apples grown in N. H. for apples of the same variety grown in other states. This exchange is valuable for it gives students of horticulture a chance to see the difference in appearance of a variety when grown in the north, south, or west. For example the Baldwin apple as it is grown in the south is rather flat shaped and does not have the bright red color so common here. In fact it is difficult for a person who is accustomed to the Baldwin of the north to recognize the same variety when grown outside of New England.

#### LONGEST GREENHOUSE IN WORLD AT MADBURY

Length of 1450 Feet Not Surpassed Else where—New Rose Being Perfected—Investment Represents \$225,000

Under the management of John S. Elliott, Jr., '15, the Madbury Rose Farm is perfecting a new brand of rose which it is not yet ready to name. The rose has a very delicate shade of salmon pink and when put on the market is expected to be very popular.

At the Madbury Rose Farm, is the longest green house in the world. This is 1450 feet long and 60 feet wide representing an investment of \$75,000. Beside it and running parallel is a smaller house 850 feet long and 52 feet wide in which is invested \$50,000. The total area covered by glass is 96,744 square feet. There are twenty-two varieties of roses raised, among them being the Hadley, Sunburst, and about fifteen varieties of the Ophelia.

#### 7000 ROSES DAILY.

The average daily cut of 7000 roses is made in the morning. They are placed in a cool, damp, dark room and packed the night after cutting. The next day they are shipped to Mr. Elliot's store in Boston, which is the headquarters for the business.

The most popular rose shipped now is the Hadley, a red, double rose. Mr. Elliot said that it was the most difficult rose to raise in the green house, since it is subject to black spot. Black spot is a fungus disease which attacks the leaves, in a short time stripping them and sap the vitality of the plant very much. It is most prevalent during the unsettled months of September and October and as yet nothing has been found to control it.

#### PINCHING REGULATES CROP.

The crop is regulated by pinching, a process which causes new shoots to grow and bud at a certain time. Mr. Elliot said that there was no set rule for pinching but the right time had to be determined by experiment, varying with different kinds of roses. There is a small bud that grows on the stock very close and above the leaf branch. When the stock is pinched just above the bud a new shoot grows out and the length of time that this shoot takes to develop and bud determines the right time for pinching. Some of the Christmas pinching is being done now.

#### SOIL PREPARATION.

The dirt for the plants is changed once a year and the plants are thrown away after they are two years old. A top dressing is applied three times a year and liquid manure about once a week.

The top dressing is made by mixing equal parts of sod and organic fertilizer and allowing it to set about two weeks. The sod is turned bottom up on a ledge in back of the green house, the manure is spread over it and is mixed with a disc harrow.

Liquid manure is made by pouring water over manure. A pump forces the liquid through pipes to all parts of the plant and it is applied through hose. Water is supplied from a 375 feet artesian well with a capacity of 40 to 50 gals. a minute. About 40,000 gallons are used daily.

Much of the fertilizer used in the green houses is produced from the 475 acre farm run by Mr. Elliot in connection with them. After looking all over the country for soil suitable for roses, Mr. Elliot bought this farm in Madbury fourteen years ago and started the present business there. He now has an up to date barn that will tie 105 cattle and store two hundred tons of hay. At present he has eighty head and milks forty cows, shipping the milk to a firm in Haverhill. He specializes in Holstein cattle and is getting a strain of registered stock into his herd.

#### \$225,000 INVESTED.

In Madbury Mr. Elliot has an investment of about \$225,000 which does about \$125,000 business, but, as he puts it, "This is not all profit. When you have to pay wages to fifty men every week and have a freight bill alone of \$500 to say nothing of the coal used, you have an idea how some of the money goes."

Mr. Elliot started his greenhouse business thirty-two years ago in Brighton, Mass., where he now has twenty-eight houses covering an area of about 9750 square feet. At that plant he specializes in potted plants.

"The beauty of the rose business," said Elliot, "is that no one knows anything about it. However, there is a fortune in roses if some one will specialize in them and business conditions are good."



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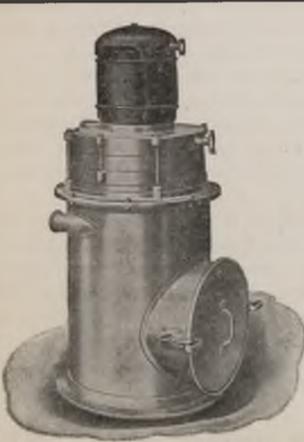
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## DIONYSIOSOS KARGAS 2YR '17 VETERAN OF BALKAN WAR

Kargas Sees Active Service as Member of Machine Gun Company—Has Two Medals Won by Bravery.

During the late Balkan War, Dionysios Kargas, a student in the new Engineering course, saw a year of active service with a machine gun company. These rapid-fire guns are capable of sending a stream of lead at the rate of 300 bullets per minute. In all the villages and cities captured by the Grecian army, dwellings were pillaged, one half of the population killed and the other half in constant danger of their lives. This was true in both Bulgarian and Turkish occupations. Women and children suffered like fates with men.

### LEAVES DOVER.

Mr. Kargas left Dover for Greece during the latter part of August 1912. Two weeks after enlistment, he was at the front, facing the Turk in the battle of Bizanie, a large port of Jannina. Here the fighting went on for five months with suffering and privation due to the cold winter and insufficient protection. Col. T. S. Hutchinson, a former United States officer, fought bravely in the ranks and after his return to this country, published the book, "An American Soldier Under the Greek Flag at Bizanie."

### BULGARIA ENTERS FIELD.

Bulgaria now took the field against Greece. In the village of Sari-Sampan, formerly occupied by the enemy, a sad sight met the eyes of the Greeks. In the ruins of the once happy homes, there was no sign of life. Blackened and charred heaps spoke more eloquently than words could have done. One lone Greek at length dragged himself from a cellar where he had hidden for a fortnight without food or drink. The battle of Caralla, a victory, for the Greeks, was soon followed by Xanthie, three miles away. The Bulgarians, learning of their enemy's plan, retreated in confusion. Many of the inhabitants of this city of 20,000 were forced into the prison and the prison freed. An advance troop of cavalry succeeded in rescuing the people from the flames in the nick of time. The freed people took the rescuers into their homes and told of the unbelievable brutality of the Bulgars.

Orders came to march to Nebrocion, and the Xanthians sadly wailed, "Why do you leave us? Are the Bulgarians coming back?" An armistice was declared at this time and Xanthie was recovered by Bulgaria by treaty.

After leaving the service of his country, Mr. Kargas returned to America and attended Dover night school for two years, graduating last spring. He possesses two medals for bravery won during his campaign.

### NEW HONORARY SOCIETY ESTABLISHED AT KANSAS.

Phi Kappa Phi, honorary scholarship society, will establish next month a chapter in the Kansas State Agricultural College.

The society was founded in 1897 in the University of Maine at Orono through the efforts of Dr. A. W. Harris, then President of the University and now head of Northwestern University. The society imposes no restriction as to the course of study which a member have taken, its purpose being to stand for "the unity and democracy of learning." Membership is limited to students—not more than one-third of the graduate class—who have distinguished themselves by scholarship or intellectual service to their institution. Chapters exist in a number of standard agricultural and mechanical colleges, including those of Pennsylvania, Iowa, Michigan, and Massachusetts, and in several universities.

### STATE GRANGE COMMITTEE MAKES ANNUAL INSPECTION.

The annual inspection of the College and Experiment Station was made by the State Grange Committee Wednesday, Nov. 10. The committee consisted of W. S. Chase of Ossipee, Richard H. Currier of Pelham and Mrs. Lizzie A. James of Laconia. In the forenoon they were shown about the Agricultural side of the institution. In the afternoon they attended chapel, besides inspecting the new dormitory and other college buildings.

Friday, Nov. 12, Professor F. W. Taylor, spoke at the Proctor Academy at Andover on "The Relation of the Agricultural Work in the Rural Schools to the Community."

### DR. A. E. RICHARDS DISCUSSES STAGE AT DRAMATIC CLUB.

At the Dramatic Club, Thursday evening, November 4, Dr. A. E. Richards lectured on the technique of the stage and the qualifications of an actor, discussing some of the foremost people in the profession. He also read the first act of the play "Nowadays" by George Middleton.

In speaking of some of the greatest actors, Dr. Richards said, "Since the death of Joseph Jefferson and Richard Mansfield it has occurred to many to inquire who our greatest actor is. The choice probably falls on E. H. Southern. The foremost actress is Mrs. Fiske who has done a man's work in the theatre and has done it better than most men."

Dr. Richards advised beginning the study of a second play before the presentation of "The Private Secretary" and mentioned "The Rivals."

At the next regular meeting of the club, Dr. Richards will give a third lecture on some phase of dramatic art and will continue the reading of "Nowadays."

### TWO-YEAR STUDENTS IN POULTRY COURSE BUILD POULTRY HOUSE.

A poultry house, 12 feet square, with a cement floor, and capable of housing 40 birds has just been completed by the two year class in poultry. All the work, even to getting out the frame, etc., was done by two-year men. Professor Mitchell says the men have worked well, showing much interest in the undertaking, the result of which is very creditable.

### NOTICE

We, the undersigned desire to bring to the notice of the student body that on every first and third Thursday of the month the regular meetings of following organizations will be held. It is hoped that these nights will be reserved for functions of this character.

Alpha Chi Sigma, P. S. Willard, Pres.  
Alpha Zeta, Leon A. Hawkins, Chan.  
Economics Club, E. R. Brown, Pres.

### INTERESTING VIEW ON SUBJECT OF ENTRANCE REQUIREMENTS.

The action of the faculty last week in changing the entrance requirements seems extremely mild indeed, in view of such sentiments as the following which were stated in a speech delivered by President Bumpus of Tufts at the meeting of the New England Association of Colleges and Secondary Schools: "In the meantime, I am wondering if the needs of the State are sufficiently served when our institutions of higher education are open only to those who are able to pay. I am wondering if higher education is properly adjusted to the needs of the state when an eliminative barrier of four years of preparatory work is thrown across the entrance, while possibly half the subjects being taught in colleges do not really require any such extensive preparation. And then, too, the question arises, is this barrier maintained for the good of the college or for the good of the state?"

### FOOTBALL GAME.

Concluded from Page One

captain tearing off end runs almost at will and nothing seeming to stop him. The way that Captain Westover played his backfield position Saturday showed that he certainly missed his calling when he picked the end position for himself.

### The Line-Up.

New Hampshire Vermont  
Westover, Irvine, le re, Barrows, Lawlis, Friebus  
Morrill, Waterman, lt rt, McIvor  
Bell, lg rg, Generaux, Walker  
Swett, Harvell, c e, De Marco  
Ford, rg lg, Byington, Dwinell  
Jenkins, rt lt, Bloomer  
Brown, re le, Wilson, Weeks, Fike  
Brackett, Westover, qb qb, Palmer  
Watson, lhb rhb, Burke  
Woodward, Willand, rhb lhb, Smith,  
Cushman  
Broderick, fb fb, McLeod, Clarke  
Score: Vermont 21, New Hampshire 7.  
Touchdowns, Burke, Palmer 2, Westover. Goals from touchdowns, Smith, Burke 2, Broderick. Time: Two 15 and two 12 minute periods.

## ANNUAL COUNTY GATHERING OF RURAL YOUTH AT KEENE

Large Number of Exhibits of Field and Garden Crops—90 Boys and Girls at Institute—Represent Nine Towns

The annual county gathering of the Boys' and Girls' Agricultural Clubs in Cheshire County was held at the City Hall, Keene, on Friday evening and Saturday, November 5th and 6th. There were 51 exhibits of potatoes containing 26 potatoes each, and 8 exhibits of corn, sent in by the Boys' Clubs. Some 80 jars of canned vegetables, fruits and jellies were sent in by the girls. The public seemed surprised at both the quality of the exhibits and the magnitude of work in the county. Some ninety boys and girls attended the meeting, coming from the nine towns in the county where the clubs are.

### PROGRAM.

The program was interesting and instructive to all, and the attention and interest shown by the boys and girls was commented upon by many. Talks were given by J. C. Kendall of the New Hampshire Experiment Station on "The Opportunities of Present Day Agriculture;" Mr. Goodnow of Keene, on "Choosing a Life Work;" Mrs. McClure of Munsonville on "Canning of Fruits and Vegetables;" Professor F. W. Taylor of New Hampshire College on Corn Culture; and Mr. E. M. Straight of the New Hampshire College Extension Service on "Essentials of Potato Culture" and "Home Gardens."

### RESULTS INCOMPLETE.

It is impossible to announce all winners in the county contest as it would be necessary to spend considerable time judging the stories and proving the expense accounts. Each member's exhibit consisted of a certification card on which the yield is certified, expense book, exhibit of corn, potato, or canned goods, and story on "How I Produced My Crop."

The boys securing the greatest number of points on the exhibits of potatoes were: Pierson Richardson of Chesterfield, Roland Goddard of Rindge, and Arthur Welcome of Chesterfield. The largest yield of potatoes for ten square rods was made by Arthur Welcome of Chesterfield with 33.25 bushels; for 20 square rods by Donald Hale of Rindge with 39.58 bushels; for 40 square rods by Herman Hale of Rindge with 75.72 bushels.

Alice Lehtinen of E. Jeffrey not only received first on her exhibit, but has already earned 136 quarts of fruit and vegetables.

### REVEREND RALPH CONNER SPEAKS ON PREPAREDNESS.

At Chapel Wednesday, November 10th, Reverend Ralph Conner of Gardner, Mass., spoke on the topic of "Preparedness," limiting his consideration of the subject to its importance in every day life. In part, Mr. Conner said: "A man ought to lay up something as a reserve force, to prepare him for the battle of life. Barring accidents and contagious diseases, and within reasonable limits, we can live as long as we desire. But, on the other hand, anyone of us can end his life instantly, or begin a course of living which will finally lead to his death. There is a human as well as a divine Providence. We shape not only our own lives, but in a measure, those of our friends."

"Mentally, if we would be prepared we must master the facts of life. The time is coming when we shall need to use every fact we have obtained, every force reserved."

"A man is morally prepared if he possesses the conviction of the rectitude of his course. It has been said that 'A good name is to be chosen rather than great riches. Reputation determines whether a man's name be good or bad.'"

"Perhaps the secret of the perpetuation of life lies in enthusiasm for living, with it the last turn of the road should be best of all."

The chapel exercise were attended by several representatives of the Committee of Education of the New Hampshire state grange.

### NEW HAMPSHIRE BOARD ADDS FIVE MEN TO ENROLLMENT.

At a meeting of the New Hampshire board last Tuesday the following men were elected: reporters, Leon M. Crouch, '17, of Durham, Olin C. Work, '16 of Exeter, and James A. Purington '16, of Hopkinton; assistant business managers, Lester E. Merrill of Lebanon, and Clifton H. Dustin, '18 of Gooch.