Official Name For Our Athletic Teams
To Be Chosen By Undergraduates

Get Your Entry Blank At Professor Dow's Office—Prominent Local Sports Writers To Act As Judges.

Chemistry Department
Keeping Up-to-Date

The chemistry department is doing its best to keep up-to-date in equipment and working facilities with the small capital that has been appropriated.

During the last part of March, installation of a new chemistry building for the qualitative chemistry laboratory will be underway. The facility will be of the latest design and have stainless steel troughs. There will also be new equipment for the chemistry laboratory which will be built according to plans of such tables installed at M.I.T. This work will be done during the summer. A new installation for distributing hydrogen sulfide gas has been installed for a small still for distilling water to handle 10 gallons an hour as has been set up.

The James Hunter Machine Company has installed a new stainless steel dye sample kettle. The latest model of the Match color identification lamp for color text and a new projector and slides for parallel instruction have been obtained.

The A. A. T. C. C. has made arrangement to set up a fasterometer, and bauxometer in one of the rooms of the chemistry department to be used by both students and the A. A. T. C. C.

Additional equipment which has been ordered will bring the department:

Optical and Electric Recording Spectrophotometer has been ordered. Delivery is promised in October 1947. This will be installed by itself in a small room in the microscope laboratory.

(Continued on page 3)

“The Pickout” Goes To Press

BY MERRIS GERTZ

On February 27, the Pickout goes to press. The task of gathering and putting into its final form can be credited to the entire staff under the Editor, Janet Shinmoto, the Assistant Editor, Melvin Singh, the Business Manager, Larry Hillen; the Assistant Band Manager, Richard Cleckin, the Circulation Manager, Henry LaFrance and the Art Director, Albert Chertis.

The Pickout is the first one to be published in 1915. The Pickout Staff is attempting to reestablish in this issue all the important events that took place during the war years.

(Continued on page 2)

LOWELL TEXTILE INSTITUTE
Four-Year Degree Courses in
CHEMISTRY AND TEXTILE COLORING
TEXTILE ENGINEERING
TEXTILE MANUFACTURING

Degree of Bachelor of Science offered for completion of prescribed four-year courses in Chemistry, Engineering and Textile Manufacturing.

Scientific and practical training in all processes of textile manufacture including all commercial fibers.

Certified graduates of High Schools and Academies admitted without examination.

For catalogue address Kenneth R. Pfo, President, Lowell, Mass.

THE SPINNING OF AMERICAN YARNS
ON THE AMERICAN SYSTEM

By R. J. McConnell, Vice-President Whitcher Machine Co.

My subject "The Spinning of Worsted Yarns on the American System" is one that might well be called "boring". For the past year or more there has been much interest in it on the part of small men than in any other phase of our business. There has been a steady stream of visitors coming to our shop to discuss this system with us, and as you have probably noticed, the textile papers and magazines have been running a great many articles on this subject. Rumors of all kinds have been circulated and as usual most of these were not based on fact, and a great deal of inaccurate information has been spread about. Because of this, and because we feel that we have a direct responsibility, we welcomed the opportunity which your invitation to deliver a speech on the subject for this meeting gave us.

My intention tonight is to try to give you as completely as I can in the time at my disposal, a factual account of our experience of the types of machinery we use in making worsted yarn, how it is operated, the knits of fiber we can process, type of yarns and numbers we can spin, labor requirements, etc.

First let me point out that the machinery we use to process worsted fibers cannot be used to process fibers shorter than 10% Its application is not very much cotton in the world this...

DORMITORY

The gaming of final papers in the construction of dormitories at Lowell Institute will take place on March 9 in Boston. Members of the Board of Trustees and the Lowell Institute Foundation Board will attend the meeting and consider one of the most important since the founding of the Institute.

(Continued on page 3)

TEXTILE INDUSTRY LOOKS FOR WELL-VERSED GRADUATES

From an interview with Mr. Ernest D. Wald, Vice-President, Pacific Mills.

With rapid development of new processes and ideas appearing throughout the textile industry, there is a great demand for textile graduates who can apply themselves with the practicality of college training to the problems of the trade.

As Mr. Wald pointed out: "The seasoned manufacturer is using modified cotton yarn in producing yards and the cotton manufacturers are using some modified principles in their work. Because of these circumstances, it is desirable that the future textiles that be produced must be much in blends. It may not be long before present manufacturing systems will be modified and a different method, which will be a combination of the old methods, will be proposed by the other systems.

Prepare for the future and to be the newest value to the textile industry, it is apparent that a general knowledge of the manufacturing of cotton, woolen, and worsted, will be of great value. This does not necessarily imply that any one who knows definitely that he will be working, say, in a cotton mill that handles only that, they, need not concern the other systems. However, it might be to his advantage later on in his textile career to have the basic knowledge of the other systems.

The textile industry does not expect the young graduate to do any "tory" but rather to have him

LOWELL TEXTILE ASSOCIATES

STATIONERY
NOTE BOOKS
FOUNTAIN PENS
If we don't have it, we'll get it!

THE "COOP"
The Textile Institute has been brought to the attention of the TEXTILE, that the traditional graduation class gift will be replaced by something new, and that the Senior Class, as usual, will give it. At Convent
ment last spring, the president of the then Junior Class accepted from the
class of 1947, a diamond ring to be placed in the section as the class of 1947
would enter the Chadwick House. There will be some announcement among the alumni, some time in June, when the tradition is passing. It
seems that we could all think of the one thing before starting a new
tradition.

WHAT’S YOUR SUGGESTION?

Are you satisfied with the same that sports writers apply to our athletic teams? Here is your chance to win a prize and give our teams a name which will attract and attract attention whenever it is printed or spoken. We want everybody in the

TEXTILE STUDENTS AID THE RED CROSS

Two of our undergraduates, John Stroop, Jr., and Thomas Casey, are
members of the Red Cross Student Corps. Whenever the call is to present
the work being done by the organization before any groups that request it.

WHY NOT?

Would it be advisable to foster a friendly relationship of the TEXTILE
Teachers College? Do each of us wish to continue to stay within the confines
of our own institution in regards to social functions? Other New England
colleges have some social life. Why?

We would like to hear from the editor of the student paper of Lowell
Teachers College—what do you think?

RE-EXAMINATION SCHEDULE

Miss Ruth Foss, registrar, announces the following dates for re-examina-
tions:

March 8 Textile Testing IV 342
2 T. Fibers (Chem) 343
2 Fiber Study 343
March 15 1 Textile Testing VI 344
3 Applied Mechanics 344
2 Stress 345
21 Mechanics 361
April 12 3 Economics 396
May 10 2 Quant Analysis 248
2 Physics 249
2 Sociology 250
2 English 310

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Greeting Cards — Stationary — Fountain Pens
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DANCING AT ITS BEST
Every Wednesday
Friday and Saturday Night

TEXTILE CAFETERIA
COMMODORE
Swanson

SUNDAY

Balloons
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325 Merrimack Street
OPPOSITE CITY HALL

GIFT GROS
LOWELL’S LEADING RADIO STORE
325 MERRIMACK STREET
STREET AND MILL

DILLON DYE WORKS
DRY CLEANERS & DRYERS
5 EAST MERRIMACK ST.
TELEPHONE 1801

EDMOND L. BELLE
WATCHMAKER AND JEWELER
256 MERRIMACK STREET, LOWELL, MASSACHUSETTS
10% Discount to Textile Students

May Day Is Play Day

The Textile Players announce that the May Day play, "Globe and
Grace," will be presented on May Day at the M. theater on the first day of May. To encourage the participation of the play will be held at Liberty Hall.

Each Harlow Grant states that theadi-
college will issue a $250 prize to
and the Drama Club will be rear-

RADIO RAFFLE

To ensure the continuation of the publication of the TEXTILE, its staff is conducting a radio raffle, which will be on display in the show window of the COOP. We have pur-
chased this grand prize from Goun-
nright. The winner will have the choice of entering Phi Beta kappa on the hearty thank you for those extra-

GIVE US A CALL
LOWELL’S LEADING WHOLESALE
325 MERRIMACK STREET
TELEPHONE 1201

REVISED DATES FOR SPRING VACATION ARE MARCH 31 TO APRIL 4th
DELTA KAPPA PHI

At a recent meeting, the Delta laid the groundwork for the National Convention which they are sponsoring in Boston sometime in April.

A committee is busy now trying to bring up-to-date the addresses of the 600 fellows who were smart enough to be Delta's while here at Lowell Textile. As many of them as possible will be visited to find out what they are doing through an A. P. O. number list, which is to be a joint project.

Thursday, March 6, at 7:30 P. M., all of the boys are to be taken over Mr. Lyman's at Lincoln Square for a big meeting. During the coming year, fifteen new members will receive their Third Degree, and will officially become our newest brothers. The enthralling committee reports that it has been very fortunate in achieving an interesting motion picture, a travel feature, called "Around the World." They tell us there are scenes from many countries, possibly of some of our overseas vets who will see a lot of old familiar territory.

Alumni Notes

Preparation is well under way for the celebration of the Tri-Phi's 50th anniversary. The planning committee, consisting of twelve members, the largest ever to assemble for class purposes, had three meetings to date, and are pacing the way from two gala days on April 25 and 26.

Edward A. Bigelow, who has spent some time in Europe on his own money, to ensure this event to be most successful, has made arrangements to have President-elect Charles Eames go to Cape Cod to have a portrait painted. This portrait will hang in the Southwick hall and will be unveiled during exercises on the 26th of April.

Watch for news of more which will be taking place during this celebration period.

OMICRON PI

For the first banquet that has been held in a long time, Old King Wisteria surely made his bid. The affair was scheduled to be held at the Hotel Hanover on Friday, February 21, the night of the big storm.

Even with nine inches of snow and some of the roads not plowed, only only a few of those smart enough to keep on the service, the trying to find some of them through an A. P. O. number list, has to be quite a job.

On Saturday, March 2, at 7:30 P. M., all of the boys are to be taken over Mr. Lyman's at Lincoln Square for a big meeting. During the coming year, fifteen new members will receive their Third Degree, and will officially become our newest brothers. The Alumni Committee reports that it has been very fortunate in achieving an interesting motion picture, a travel feature, called "Around the World." They tell us there are scenes from many countries, possibly of some of our overseas vets who will see a lot of old familiar territory.

DO YOU AGREE?

Engineers last week were vividly reading a pamphlet published by Arthur D. Little, Inc., a venerable Cambridge, Massachusetts, consulting and engineering research firm. Title: The Turbo-Encalibrator in Industry. Excerpts:

"...We have been in the business of bringing perfection to the crudest idea of a machine that would make up for the reactivity of the crudest' system for use in unglazed phone detectors, but would also be capable of generating the frequency in phosphor-ceramic-
cardinal Cardiograms. Such a machine can bring a lot of the boys over..."

"The original machine had a blemish of partial interference, another of the more obvious, but it was the changing of the voltage on a machine which the writer has a great deal to say about processing of fibers and the machines that are used in such processes which improved the functioning of the machines and made them greatly improved.

Wood interest steered, because of the war to bring more and more of the goods our country as our whole production was on war materials and priority textile equipment was needed."

"The equipment we build today for processing of fibers is on this new country-wide basis of the following types of machines:"

First, Drawing arranged in three ways.

Second, Super-Draft Roving Frame.

Third, Improved Last Draft Spin Drawing Frame.

Fourth, processes alike.

The equipment used for the production of two models "LW" Bender Drawing and LW" Intermediate and Final.

Drawn heads, in the LW" frame are four-draft heads. The drafting and rolling mechanism of the LW" frame is built to take care of the un-winding of the top. Special attachments are used to regulate the unwinding so that the top will be presented to the back roll of frame in a flat line with all false twist removed.

The "LW" models are equipped with four times of metallic rolls, 1, 2, 3 and 4 rolls, 1/3 in. diameter. These models do not have change of draft, but the roller gear is made with small roller edges in each plane. The LW" frame is built to take care of the great amount of static electricity created which made it almost impossible to move the papers of the frame or the paper sheet in the frame with the regular table gear used on all other types of drawing.

We also adapted a Karnagis conveyor in place of regular resolving type. The LW" frame is able to run well in the dryer in cane. All three lines of drawing are equipped with static eliminators. The machines would be difficult to run.

Worst Yarns

(Continued from page 1)

length, and longer, it is either out of order to call it the Cotton System. The revolving and spinning frames were used for long staple rayon, fibers, and to process fibers up to 3½ inches in length. At first, we also used our 1914 English frame, which was designed for long staple rayons but we have now changed in drawing order to use English frames fully. I will explain these machines more in detail later.

The plant currently processed worsted yarns on this system in 1938 when all our customers asked us to run some worsted yarn, and make some yarns. At first, we looked for new line or less of a start and we were not particularly interested in spite of the fact that the people who run the yarn told us it was all right. For the next few years, we made samples for several mills with spinning reports, some good and some bad, but we were still only interested in the fact that we could run any yarn we had on our machines. It was during this time that Newman, after whom our equipment was named, began to work on yarn on a continuous basis. By this time, we had learned a great deal about processing worsted fibers and the machines that are used in such processes which improved the functioning of the machines and made them greatly improved.

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Losing Steady Growths

By CHARLEY WHITEHEAD

If you'd driven a windshield washer along the beautiful coastal route from Provincetown, Massachusetts, to Portland, Maine, you'd have been in a chamber of eerie, white-draped rock formations. On the other hand, if you drove down the Route 128 turnpike to Boston, you'd have been in a misty, gray-draped urban jungle. The difference between these two climates is not a matter of geography, but a matter of weather conditions and driving habits.

Unfortunately, that is the way an exposing, dull-looking city can be. But in the case of Boston, there is a distinct difference between the two climates. In Provincetown, the climate is determined by the sea. The air is moist, and the wind is often blowing in from the Atlantic Ocean. The result is a cool, refreshing climate.

On the other hand, in Boston, the climate is determined by the city itself. The air is often stagnant and hot, and the wind is often blowing in from the city. The result is a hot, stuffy climate.

The difference between these two climates is not a matter of geography, but a matter of driving habits. In Provincetown, the drivers are accustomed to the sea. They are used to the cool, refreshing climate. In Boston, the drivers are accustomed to the city. They are used to the hot, stuffy climate.

This is why the climate in Boston is so different from the climate in Provincetown. The difference is not a matter of geography, but a matter of driving habits.

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