New Device Closely Measures Electrical Energy From Stars

Textile Wins Over Clark University

Lowell Textile Baskerball Team Closes Season with Impressive 49-30 Victory.

Professor Herbert J. Ball Attends Meeting in Washington

A Resume of "Peter Ibbetson" Grand Opera

Textile Industry Experiences Best Year Since 1929

Activity 25 Per Cent Above 1922.

Rayon and Wool in the Lead.

Textile mill activity during 1932 was 25 per cent above that of 1922, according to the Annual Review and Forecast Number of Textile World. Last year was the highest year in this respect since 1925, and only in 1927 did one beat that higher year.

The publication points out the remarkable degree of stability, which characterized the textile industry during the past five years of world-wide depression. During that period, the high year was only 15 per cent above the 1925-27 average, and the low year was only 17 per cent below that average.

The different branches of the industry varied differentially. Cotton consumption in 1932 was 24 above 1922; against 1931 was back to the 1925-27 average; rayon consumption in 1932 was 23 per cent above 1922, compared with 17 per cent below that of the previous year.

For 1931 Textile World looks for the volume of textile business somewhat better than that of 1924, but no record of 1923—our roughly, halfway between the two. This would mean a volume of $2,000,000,000 employed in the 1923-24 crop.

"Remember, we are talking in the past," points out Douglas G. Wood, editor. "We expect the world volume to be larger than that of 1923. And, while we are bold enough to extend this prophecy, we look for a better market than that of 1923. We believe that the market may not be as good as the 1923 crop, but it will be much better."

We believe for a better market over the 15 months of 1933, and the two years and more for profitable operations for both exporters and importers.

The annual number of Textile World shows the volume of textile business and the number of textile workers. The volume of such sales last year was 41 per cent above the 1922-23 average, very nearly to the 1925 level, last year was 15 per cent below 1922.

Using the figures from the textile business and knowing figures reflect the trend of the months in the precious sales figures reports the trend of the 1778-1785 period.

Scene II Peter wanders through a fairyland and wonders to himself that he could never return to the dreams people of the world will dream. By dreaming, he sees his uncle, Colonel Ibbetson, himself and try to embrace his uncle. Peter is dreaming. He floats to dream again and the dream is instantly shut off.

Scene III Peter dreams of his childhood days and sees his mother and father and his uncle and his happy years, and still thinking of her calls abraham.

Scene IV Peter dreams of his childhood days and sees his mother and father again and lies in his happy years, and still thinking of her calls abraham.

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**EDITORIAL**

Just a word about the Pickout. Each senior class at L. T. I., has, since 1898, published a yearbook. This year, the seniors have produced a volume of about three hundred pages, each in turn, presented a resume of a year's activities at the college.

Within the covers of the Pickout, you may find a full and interesting account of all the scholastic, athletic, and social events for its respective year, although you may not entirely appreciate the value of this permanent moment the day you buy it — in years to come, you will find that many fond memories will be recalled from its pages.

**A NEW TRAIN**

Although few horses carry away, as they did when the first railroad trains chugged down through Indiana, residents there were left popeyed last month by what they saw streaming along the Baltimore and Ohio tracks. The 200-foot domed monster was painted canyon yellow and had an egg-shaped cross-section. No smoke belched from it, and no cow-catcher gathered its blunt pointed nose. It is all looked more like a Colossus of Rhodes than a train. It was the Union Pacific's salute to the future — the first fully streamlined train the United States has ever seen.

Headed toward Washington to be viewed by President Roosevelt and his railroad commissioner, Joseph B. Eastman, the train traveled along comfortably at 60 miles per hour. For the Union Pacific its score can run 110, does not want to break the 32-year-old train speed record of 86.7 miles per hour, and it gets the train on its own tracks.

Railroad men watch the train with keen eyes; in it they see possible salvation for a $30,000,000,000 industry. It seems to offer enough speed to compete with planes, and if costs little to run that it may be able to haul passengers more cheaply than can buses.

**A CLIPPING FROM THE EDITORIAL PAGE OF THE COURIER-CITIZEN**

"In recent years we have noted a change in the mental attitude of the college students. Year after year there was approval and promotion of social customs and traditions that existed but a generation ago, and tolerated as bohia and greeks. These college boys of today are forgetting a basic principle, however. We quote Charles Evans Hughes Jr., on this: "No one can gain the full return of an experience like this unless he is mature and educated. The sense of college life is in all these aspects, the responsibility of every individual student." You can't tell college boys much about this. They think they know. But if they turn a slightly shorter to the right-hand realm of living college life they are not likely to give real life a good run for its money. Their Hughes told Brown University students recently that he is uneasy at the current upperclass social scene that embodies the same wisdom which has always characterized "College spirit" in the past. You can't take college life seriously unless you can more that you adapt to that life in general.

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**LOWELL TEXTILE RIFLE CLUB NEWS**

(Continued from page 3)

**LOWELL TECHNICAL REGISTER**

(Continued from page 1)

**TEXTILE STUDENTS — Get Your Classes at CASWELL & DINNEEN**

Lowell's leading Eyeglass Specialists

148 Merrimack Street

Next to Ben Marcus

Member of Lowell Textile Cooperative Society

**DRAUGHTING TOOLS AT THE Thompson Hardware Co.**

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**NOT "LIKE HOME COOKING" BUT EVERYTHING SERVED IS REALLY HOME-MADE AND THE PRICES ARE THE LOWEST IN LOWELL**

**RENAZVOUS RESTAURANT**

25 Market Street

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**LOWELL TEXTILE INSTITUTE**

Post Year Degree Courses in CHEMISTRY AND TEXTILE COLORING—TEXTILE ENGINEERING Degrees of B. T. C. (Bachelor of Textile Chemistry) and B. T. E. (Bachelor of Textile Engineering) offered for completion of prescribed four-year courses.

Three Year Diploma Courses in COTTON MANUFACTURING, WOOL MANUFACTURING, TEXTILE DESIGNING

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

Certified graduates of High Schools and Academies admitted without examination.

NEW DEVICE
CLOSELY MEASURES
ELECTRICAL ENERGY

(Continued from page one)
carefully, Professor Robbings explained. During the past 10 years, before the new device was conceived, the observation here had used an electrometer along in its studies of star light and was able to measure the electrical energy cast off by a star's light to a hundred million millionths of an ampere. With the vacuum chamber in addition to the galvanometer, however, the amp has been enabled to amplify this capacity to the thousand million millionth degree.

The invention, which is comparatively inexpensive, was taken last summer to Mount Wilson Observatory in California where the spectrometer was installed on the 100-inch reflecting telescope—the largest in the world.

"The Great Nebula of Andromeda and Whirlpool were enabled to measure the light of objects in the sky 100 times to its own size," Professor Robbings reported, "was found to cover more than twice as much of the sky as had been previously known. Hilbert's own galaxy of stars had been supposed to be about three times the diameter of the Nebula of Andromeda, which is an external galaxy of stars nearly 3,000,000 light years away.

"By doubling the known diameter of the Andromeda Nebula, its size is inside nearly equal to that of our own system, and the photo-electric eye has shown that the sun belongs, in probably not so much larger than other galaxies as was previously supposed."

PATRONIZE OUR ADVERTISERS
 Mention The Text When Buying

Ode To The Wigginville Wag

A book, "Red" Tyler (may his tribe decrease), Amoue one note in a paper in Greece.

And since, within the silence of his room,

An Angel, writing in the Book of Doom,

Exceeding beer had made "Red" Tyler bold,

He asked, "What fate is in store for you, fool?"

The Angel turned him a look of scorn,

Saying, "You sound-so, you should never's been born,

You play poker for money and load the die.

Don't you think, Honey, that ain't a bit nice?"

Expested at these words, he tossed no more,

But leaped from his bed, right onto the floor,

Advancing with the courage of a knight of old,

He followed through with the famous toe-hold.

His skill with pugilism enabled him not

Compared with the Angel, he wasn't so hot.

With a flying tackle that he couldn't dodge,

And a body slam that would shrieve Don George,

The Angel handled Old "Red" with ease.

Till his ears were well wound around his knees.

Then the darkness was pierced by the moon's gently shaft

Which illumined the victor's fair face as she hailed:

"So you can't take it, Red." (as she stepped on his chest)

After all I'm no Angel—I am only B.A. West.

Not like others...

Chesterfield

the cigarette that's MILDER

the cigarette that TASTES BETTER

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GOOD TASTE IS EVERYTHING

In cigarettes, too! So in making Lucky Strike cigarettes we use the finest Turkish and Domestic tobaccos—and only the center leaves—they are the mildest, the smoothest. And every Lucky is so round, so firm, so fully packed—no loose ends.

Always the Finest Tobacco and only the Center Leaves