Dean's List

The first-quarter dean's list for scholastic excellence has been announced by Lowell Technological Institute, as follows:


Students: James Cappo, Thaddeus Fia-

lrik, Richard Jedwiedzki, Nubert Lawrence, Dorothy Men- joth, Joseph Parent, David Park-

er, Harald Park, George Pearson, Terri Levent, Richard Picard, Richard Politz, Willi-

am Powers, Robert Reid, Frank Rohen, Robert Smeltz, Edward Smith, Ronald S.

Michael, Smith, Co., Susan Smith, Eland Street, and Robert Wharton.

Junior: Argue Andrek, Sue-

nie Backer, Donald Beck, Man- nel Brown, Paul Carroll, James Ceron, Richard Dieder-

ge, Edward Fober, Charles Hamil-


Sophomores: David Anderson, Charles Ball, Robert Bender, Dehtrh Cooker, Johnnd Hall, John Donsen, Frank Fren-

an, Richard House, Bernard Khooon, Alan Khavan, Thomas Lawrence, David Lee, Soo Lee, Louis Lewis, Mary Lor- 

asil, Paul Maretz, Cernald Michael, Robert A. Mount, William Nuttall, Thomas O'connor, John-

ski, Toregamen, Perfect Weismum, John Wheelock, Ro-

bert Whitney, William Wittman.

Freshmen: Mural Abdo, Do-

man Caprigia, Bryce Colburn, House Hawkins, William Eillow, Will-

11's in Haffety, Leo Flynn, John Gray, Ronald Hahn, Francis Hacher, Steven Hau-

man, Leonell Hale, Robert E. Hapner, John Hayes, David Minsillos, Peter Marotta, Carolyn Marvajian, Joseph Mc- Dorough, Louis Megli, Mirth Mon- 

to, Wolfgang Ockert, Keith Oron, Kerry Sadson, Robert Sar- 

er, James Stimmel, Michael Taxen, John Tschien, Robert Torelli, George Vandenbrouck, Stanley Waxman.

Pink Issue Deadline

Monday: March 10 is the final deadline for all material for the pink issue of the Text. All ma-

terial must be submitted to Box 115 by that date. This entire student body is invited to submit copy, drawings, cartoons, and photo- graphs.

VIENNA BOYS CHOIR

Sunday, March 13, 3:00 p.m.

Lowell Memorial Auditorium, Lowell

The appearance of the Vienna Boys Choir, under the aus-

pices of the musicGreat Park Committee.

This choir group is now being featured in a moving sponsored by the National Association of Women. The movie is the unusual

Sixty-three-year-old Vienna choir school, describing how the

boys not only learn to sing but also acquire

ing bright and exciting activity in the atmosphere of a great

is to be started in the choir. The music is a delight to the

audience. If there be any doubt as to whether

Chip, individually will find himself delivering

the essence of the position. History, study of its

sages, and all the while awaiting a new depth in vocal

which may or may not be

Wherever these boys appear in

the, the audience is stirred to

an immediate audition. If they

be true, there is no reason to

and often

for the audience to

The first of the opera

is interpolated with some

which

the makes of European areas to

of the

chaired by R. P. Poors,

assistance

be served to the general public at 3:30

in order to have

free and no tickets are required for entrance into the hall.

NEW YORK, N.Y.-C. D.

in the following position of Supervisor. Market Re-

search in the Market Department of Classified Com-

pany, Division of Masons Chemical Company, it was an-

nounced today by E. R. Poors, Director, Market Planning.

summarized in order to M. Kero-

sky, Manager, Yarn and Fab-

rics, Market Research, in his

sent position. Hayes is responsible for the preparation of mas-

size survey of the market. He

1954, President of the Textual New-

The Air Force ROTC has

sponsored a film series for four

are the following:

Johnson and M. A. Recker in the

cinema. The senior class met to

the Student Week dinner dance.

Society Of

Plastics Engineers

On Monday, February 24, 1964, the Student Chapter of the Society of Plastics Engineers hosted a dinner meeting at the Paramount Lounge, Chelmsford.

Sixty members of the Society discussed with Mr. John Parker, Alcyon Alloys, Inc., the plastics business and problems of custom
component.

During the business meeting the following officers were elec-

ed: President, David Boeber;

Vice President, Coardel Zambri-

ago, Recycling Secretary, John

Kevins (re-elected) Correspond-

ing Secretary, Stephen Dwarf;

Treasurer, Joseph Day; and Par-

liamentarian, Mary Ann Ken-

dick.

Burtn Appointed

Area Representative

For VITA

Professor Frederick Burk is the department of textile technology at Lowell Technical Institute has been appointed area representatives for VITA. Volunteers for International Technical Assistance, Inc. The group of engineers and technologists make their services available to help the developing countries to solve technical problems.

At the present time Professor Burk is working on a project dealing with algae sporing and weaving for Peru, and in the past he has completed other projects for Peru as well as projects for Columbia, Pakistan, Brazil, Ethiopia, Nigeria, and Turks and Caicos Is-

lands.

PAPER SCHOLARSHIPS AWARDED

LTI Scholarship recipients — Geoffrey Broughton memorial schol- arship was awarded to Donald Lamontagne of 2 Willey street, Welburn, center and Robert F. Hull of 37 Alvaro street, Kingston, right, shown with Dr. Normand H. Keeney of the faculty.

Joe Copitavshio demonstrates the use of the library's new 914 Xerox copier. Copy service will be available to students at approximately seven cents per copy.

EDITORIAL—

CIGARETTE MACHINES. DO THEY STAY OR DO THEY GO?

What will happen to cigarette machines on the LTI campus? This is the question which will be in the news in the future.

Since the government published a report which said of-

icially, exactly what everyone who listens to the opinions of the medical profession already knows, there has been a drive by
den health minded officials for a nicotine prohibition. By the question is both that of how much freedom the public

self be given concern their health and how much progres-
sion of their health they should be given. Certainly nobody

89 in arguing the statement that the public should be informed of the dangers in any food or drug products they consume. How-

ever, should they be allowed to consume these dangerous drugs? I say that, at least at Lowell Tech, the answer should be NO. Cigarette machines should be removed from the LTI campus and smoking should be prohibited in every building on campus.

Why should the student who decides not to smoke be sub-

jected to the filthy by-product, the stale lingering smoke that permeates the halls, of those who do smoke? Why should a private company be allowed to get rich selling a habit-forming

drug to college students right on a state-owned campus? Certainly, cigarette butts on the floors don't improve the appearance of our school! they only serve to make more work for the janitorial staff. It is up to the administration to take immediate steps to see that a non-smoking ban is enforced and all cigarette machines are removed from this campus.
Although the 2.2 million dollar health center, gymnasium, ice ring and other sports facilities have not been started, most students will be happy to know that Tech now has its own swimming pool and diving area. The facility need only a small amount of work, such as laying out lanes for racing, and it will be ready for student use. The swim team was ready to test the pool on Thursday but the filtering system was not working properly and quite a bit of unwanted particles were present.

The pool has many advantages, one being that a parking area exists around the perimeter. It is one of the largest pools in the United States and comprises an area of approximately three Olympic pools. It is within walking distance of the school, in fact it is right across the Riverside Street from the new building. The filtering system being used is experimental. A mixture of dirt, stones and miscellaneous debris have replaced the standard filtering methods such as chlorine and sand. The new pool is one of the most beautiful facilities on the Tech Campus. As soon as it is opened to students, which should be the day after the next hard rain, it would be your advantage to cool yourself off in your new pool and show your support for all the work that has been put into making this school grow rapidly. For those who are too anxious to wait until it is opened officially, they can come around anytime and wade in the beginners' pool. Try it one morning after you park your car in the parking lot. It refreshes. It's springtime!

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**A Helpful Suggestion**

As rumor has it, an effort has been pressed down from the Department head that it will be the policy that no exams will be given during the week prior to the period of final examinations. This seems like an excellent idea for it will considerably lighten the final grueling week. However, there seems to be quite a lot of opposition from the faculty. The argument that seems to stand is that in most cases the last three days of the week can be filled with exams and new finals will be given to space the exams conveniently for the students. This argument that they will have to reschedule their entire semester's schedule in order to fit the new policy. The move may not be true, but the fact still remains that the week before finals will not be tied up in studying for exams. It will, of course, require time to learn new material but more time will be provided to start the review and study for finals. Since the proportion of weight of hours and finals is so unbalanced, it seems only logical that more time be allotted for preparation for finals.

It is the opinion of this author that this may be a first step toward an even more valuable policy, that of the existence of at least three days of study before finals begins. There should be a lapse of three days, if not a whole week, between the end of classes and the first final. This would give the student time to prepare himself for finals. Not only in terms of knowledge of the subject matter, but also into a mental frame of mind to which he is aware of what is taking place. When finals and the end of classes come right without a break, most students find themselves in a dilemma as they find themselves struggling for honor and absorbing new materials and BOOM! The next day their first final is upon them. This throws a big dumpling into the final period when one gets off to a bad start.

This policy has been tried at many institutions and has proven very productive. This policy will also eliminate the jumbling of exams into a period of three days. The teachers can arrange hours until the last day of class and this will eliminate another burden upon the student.

Therefore, full support should be given to this idea and the suggestion of a study period between classes and finals be given serious consideration and support.

Stanley R. Almason

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**PRINCE'S**

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GL 7-1731
ANDERSON—Reports from New Hampshire have been, to say the least, numerous. The New Hampshire primary news coverage has been more extensive than that of any other primary in history—and the result seems to be only confusion. If one is a regular observer of a good cross-section of this coverage it becomes obvious that the news coverage of at least some of the media would tend to be editorialized. News conflict seems to be the rule rather than the exception.

Noting the incongruity in the stories hitting the news stand, it is necessary to re-examine the so-called “good Scallop.”

On the way up to what was billed as a giant Goldwater Rally, I wondered what truth there was in the recent stories of troubles in the Goldwater Camp. The anti-Goldwater New York Times editorialized that Senator Goldwater Manchester Union Leader had deserted Barry because of a squabble. Barry’s New Hampshire campaign was supposedly on the outs with his national campaign people over a number of subjects. Was the Goldwater movement intact and would the “good Scallop?” show the Senator’s strength in New Hampshire?

Nearing the State Armory, the immediate objection—parking—was frustrated. A motorcade and parade from the Merrimack Common to the armory had taken place. If this were an indication of the outcome of the evening, it would suggest success.

Upon arriving at the armory, all questions was dispelled. The crowds, struggling to enter the already-packed building, were very constricting. Eventually, I managed to squeeze in.

The usual bevy of politicians, movie stars, entertainers and local officials, which characterized such affairs, were present and in full operation. The crowd was enthusiastic but not enthralled. Teen-age girls, however, took intense interest in movie star Effron Zimbatt Jr. and a coroner of officials was necessary to keep them in. I wondered if the crowd would be as enthusiastic when Barry appeared. The usual ballyhoo, buttons, pins, noisemakers, bands, pictures, spotlights, hats and banners probably help enhance things more on the evening progressed. The rally then began: to appear more and more professionally run as false rumors of Barry’s imminent arrival started whirling the crowd toward a fever pitch.

When Goldwater finally appeared the house fairly came down. At one time I thought the Senator was no more a candidate in the North than was Barry. Barry has had much more difficult problems to face. He is a New England Republican. Goldwater is a New York conservative. They are not a thing to be compared. Their problems were different. The people of the northern states have been more used to the idea of a candidate coming out of the South.

Compared to what we have been reading, does this indicate that Goldwater has been getting a "bad press"? The answer seems to be both yes and no. The "bad press" has been truly bad, but there is also a "good press" which has been truly good. It is at times difficult to separate real facts from propaganda. It is important that you, dear reader, form your own opinions. It is also important that you, dear reader, be aware of the fact that you have been reading things on both sides of the wall which is the Goldwater-Finch campaign.

At the date of this writing the election has not yet been held, but it will be held by publication date and the reader will presumably be able to gather and answer certain questions. Is the candidate too presidentially timber? Is he a vote getter? Will his press improve? Will the candidate-laden press will be a vote getter? I hope to discuss these questions in future issues.

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The Sheraton Campus Representative will give you free a Sheraton Student ID or Faculty Guest Card. With it you can stay at any of 50 Sheraton hotels around the world at special low discount rates— even in single rooms! Save even more with 2 or 3 as a room. Groups rates for clubs and teams. Wherever Sheraton is, there is a world of benefits to see. For more information and your ID or Faculty Card, contact our Sheraton Campus Representative.

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Raflo Street
Lowell, Mass.
Sheraton Hotels & Motor Inns

Covered by Al Anderson and Frank Rositante
SEASON'S HIGHLIGHTS

The current basketball season ended on the 12th of February with a 57-54 victory over the Lowell Tech team. In order to clinch the second place standing of the league, we must win two of the last four games of the season.

We are currently in second place with a record of 13-4, and we need to secure one more win to assure second place in the league. The team has a strong record against the Terriers, and we expect them to be a tough opponent.

In the upcoming games, we must focus on improving our defense and maintaining our high-scoring offense. We have had several standout players this season, including John Smith and George Johnson, who have contributed significantly to our success.

The season finale will be against the Terriers, who are currently in third place. A win in this game will secure our second-place position and set us up for a strong performance in the upcoming tournaments.

BASKETBALL IN REVIEW

Terriers Win Last Two

The Lowell Tech basketball team closed out a memorable regular season in fine fashion by winning each of its last two contests.

The win over the Terriers all but secured first place in the league, and this was a significant accomplishment for our team. The team was led by John Smith, who scored 25 points in the deciding game.

This win put the Tech team in good position to finish the season strong. The team has had a dominant season, winning 21 of its 24 games, and the players are looking forward to continuing their success in the post-season.

For the season, the Tech team averaged 118 points per game, with John Smith leading the way at 25 points per game. The team also had strong performances from George Johnson and Robert Burns, who averaged 20 and 15 points per game, respectively.

The team's defense has been a key factor in its success, with the team holding opponents to an average of 49 points per game. The team's shooting percentage was 51%, with John Smith leading the way at 55%.

TheTech team is looking forward to a strong showing in the post-season, and the players are excited to continue their success. With the team's strong performance throughout the season, it is clear that they are well-prepared for the challenges ahead.
Ohio University conferred a B.S.E.E. degree on C. T. Huck in 1956. Tom knew of Western Electric's history of supporting development at Ohio University. He realized, too, that our personnel development program was expanding to meet tomorrow's demands.

After graduation, Tom immediately began work on the development of electronic switching systems. Tom then went to the Bell Telephone Laboratories on temporary assignment to help in the advancement of our national military capabilities. At their Whippany, New Jersey, site, Tom worked with the Western Electric development team on computer circuits for the IBM 701 guidance system. Tom then moved on to a new assignment of WC's Columbus, Ohio, Works. There, Tom is working on the development of digital switches for memory circuits of electronic switching systems.

This constant challenge of the ideal now, combined with advanced training and education opportunities, make a Western Electric career enjoyable, stimulating and fruitful. Thousands of young men will realize this in the next few years.

If responsibility and the challenge of the future appeal to you, and you have the qualifications we seek, talk with us. Opportunities for fast-moving careers exist now for electrical, mechanical and industrial engineers, and also for physical science, liberal arts and business majors. For more detailed information, get your copy of the Western Electric Career Opportunities booklet from your Placement Officer. Or write: Western Electric Company, Room 31-108, 312 Broadway, New York 36, N. Y. And be sure to arrange for a personal interview when the Bell System recruiting team visits your campus.
INLOOK AND OUTLOOK

Is the game of baseball too slow? Walt Cosky Ryst Yarnell seems to think so. Upon his appointment to the N.C.A.A. Playing Rules Committee last month, Cosky Yarnell outlined a program to make the college baseball game a more exciting one (TEXT ISSUE—February 12, 1964).

The need for a big change in this country's national pastime is evident. Baseball attendance is on the decline, while football, horse racing and other minor sports are rocketing around the world. On the college baseball rates are a bloody third in attendance behind football and basketball. Looking into this situation a further, one might ask, why the disinterest in baseball. Probably the foremost reason is the game itself, which is a bloodthirsty lot, and are continually looking for excitement. Any sport can provide excitement, especially if a person has a personality to match the team involved.

This brings us to the point we are looking for. Baseball is not holding the interest of its fans. By making the game shorter the interest becomes more compact, and theoretically becomes greater. By sacrificing only tradition baseball could gain greater popularity. At Tech just anything about would help. Putting in some batters and shortening the game would be steps in the right direction. The batters you can forget about but even still standing around for an hour and a half isn't half bad as standing up. Tech has been fortunate in the past year.

What are the prospects for this year's team? With a captain and about one or two other veterans, Cosky Yarnell is looking forward to a school year, which should start with a new playing field.

Congratulations are in order for Leon Urczynski, John Raben, and Fred Hanscik who played their last baseball games for Tech this past season. Leon will leave Tech with just about every career record an individual can chalk up to his credit, and most of them will probably stand for years to come. His performance will certainly be missed as well as Fred's, and this past year's great little captain John. Cosky Yarnell is looking forward to a school year, which should start with a new playing field.

The outlook on coal and timber this year is very good. Both Coach Harrison and Coach Oliver have had candidates out for tryouts for the last month.

The Varsity Club is sponsoring its second annual Interdepartmental Tournament which will provide some real good past-season basketball. Admission is free and game schedules are on the sports bulletin board across from the student store.

Anyone interested in writing sports for the TEXT is urged to leave his name in Box 651 as soon as possible.

CHET

INTRAUMURAL VOLLEYBALL

How much more of an exciting game could there possibly be in which the champion isn't decided until the final game. Yet that is the situation in the Intramural Volleyball Tournament. If the Intramuralists beat D.K. Thursday, they will be crowned champs, but if D.K. should win their first game, they will be crowned champs. The Turks have already clinched the first place trophy, and certainly will be guarding for a share of the love of the championship to go along with them, while on the other hand the Internationals will be trying to keep their perfect record intact.

In last week's action there were only two games, but the Intramural participants participated in both. In the first set they played two exciting games with the Inter- 
odependents, winning the first one 23-16 and the second around at 26. Coming right back after being defeated, the Interdependents set, they then played a second match in which they won 20-16. The third set was played against the Internationals, and B.K. had the advantage of the second set, and the Internationals, and B.K. had the advantage of the second set, finishing the standings as of March 11, 1964, wins: W

Dolce Raphi Phi Psi 8 5 3
Delta Chi Phi 6 5 4
Delta Nu 5 3 2
Pi Lambda Chi 5 2 1
Freshman 5 1 0

Sports Corner

With the Intramural Basketball season officially closed for this year. O.F. has refired the basketball trophy by one year and coming out on top. They were sparked throughout their undefeated season (5-0) by Walter McHenry, who was the individual scoring title for the third consecutive year. Congratulations, Omicron Pi.

But a little further, one might ask, why the disinterest in baseball. Probably the foremost reason is the game itself, which is a bloodthirsty lot, and are continually looking for excitement. Any sport can provide excitement, especially if a person has a personality to match the team involved.

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CHET

HOCKEY CLUB

by Fred Tappan

Aided by an outstanding performance in the nets turned in by Donny Colos, the Lowell Tech hockey squad swept the 5-0 victory over the Malden Catholic Regional High School last Saturday night. The big gun on offense for Tech was John Matsu- 

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SPACE SCIENCE COMES TO L.T.I.

by Peter Vrach

Radio astronomy is used to study the heavens by the reception of radio radiation from celestial bodies. The radio waves which are able to penetrate our atmosphere range in length from about one centimeter to about 100,000 meters. Waves longer than thirty meters usually cannot penetrate the atmosphere, and waves shorter than one centimeter are absorbed by the gas molecules in the atmosphere.

Space radio waves come from two sources. Thermal radiation is due to the temperature of the source, and may come from a radio source in which the gas has been heated by large beams of high-energy atomic particles, similar to the results from a synchrotron or a cyclotron.

Astronomy, the Cluest Physical Science

For millions of years, millions of men have gazed at the heavens and never ceased in marvel at its wonders. From the earliest times, man has been curious about the universe that we live in. The universe we live in is a universe that is constantly changing. The universe we live in is one in which we live.

Modern astronomy is descended from a long line of thought which developed by the Greeks and Romans. The Greeks and Romans made many discoveries in astronomy, but their main contribution was the idea of the universe as a sphere.

Natural science is a process of thinking through a set of questions and problems. Natural science is a process of thinking through a set of questions and problems. Natural science is a process of thinking through a set of questions and problems. Natural science is a process of thinking through a set of questions and problems. Natural science is a process of thinking through a set of questions and problems.

Practical Astronomy

The branch of astronomy which deals with the observation, measurement, and interpretation of the positions of celestial objects. (Reduction is the process of deriving results mathematically from observed data.) It has wide application in fields such as surveying, navigation, and exploration. The study of principles developed by the Greeks, willing to settle for a purely descriptive assessment to the usefulness of these principles developed by Apollonius. They said that the bodies moved in concentric orbits and were attached to invisible spheres, and then Aristotle is said that as reflection it is in motion. Others in confusion with something that causes it to move. To account for the origins of these conceptions, they postponed the idea of a prime mover which contained all the causes.

Naturally, this theory was not able to account for all phenomena observed, but it was not changed until Copernicus came up with a heliocentric theory, some centuries later. Since then, many observers, from Galilei’s to Hooke, and from Newton to Einstein, have contributed immensely to our knowledge of the universe.

Astrophysics, One of the Newest Fields

Astrophysics is the application of modern physics to the problems of the universe. Much of the activity of modern day astrophysics is in this field. It is primarily an observational subject, and one can’t very easily study it in the lab and do experiments on it. However, some progress has been made in this area, and much of our understanding of the universe is based on the study of these spectra. Many types of detectors are used, such as the spectrophotometric plate, the photoelectric cell, and the thermocouple spectroscope.

The prime problem is the measurement of electromagnetic radiation in the sun, stars, and nebulae, and the study of these spectra. Many types of detectors are used, such as the spectrophotometric plate, the photoelectric cell, and the thermocouple spectroscope.