CLASSICS CLUB FUNDING

A single departmental gift to the Classics Club will provide the serious minded, mature students with an informal but organized outlet for their thoughts and opinions about history, literature, religion, philosophy, science, mathematics, music and art. The primary purpose of this "Classics Club" is to develop self-expression in the student and to compensate somewhat for the extreme specialization we encounter at Tech. The members of the club will discuss topics which relate more to general education than to special training. For example, the topic of the first meeting, sometime after exams, will be Darwin's Origin of Species by Natural Means.

Eugene Higgins, chairman of the club, announced that membership will be limited to twenty-four truly interested people, who will meet twice a year. However, interest is the only prerequisite for membership. No previous experience is necessary. Faculty advisor will be Mr. Thomas Higgins of the Department of Languages and Humanities.

If you are interested in joining the Classics Club or learning more about it, please contact:

Maj. Charles Black

MAJOR SCHLIESSER
AWARDED CITATION

LOWELL—Major William L. Schlissel, USAF, assistant professor of aeronautics at Lowell Technological Institute, has been awarded the unit citation ribbon for his former service as a member of the 47th Tactical Bomber Command Wing. He was a member of the outstanding unit from 1952 to 1958 at the R.A.F. station in Sculthorpe, England. Presentation of the award was made at a ceremony in the office of Lt. Col. Eugene T. Hotte, USAF, commandant of LTI's AFSOTC detachment.

A NOTE OF THANKS

Due to the excitements immediately following last week's play, "The Twelve Round Loop", members of the Tech Players unilaterally decided to express thanks to directors Mr. Higgins and Dick Dooley. If it weren't for them, the play would have not been the success that it was.

MAJOR SCHLIESSER

BRINGS PUBLIC SUPPORT

PROFESSORS SURPRISED

On November 50, 1951, an open letter to President Kenney, criticizing the present Civil Defense program, and calling instead for "a positive program for peace with freedom," appeared in The New York Times as a paid advertisement. The letter was signed by 138 faculty members from Boston University, Brandeis University, Massachusetts Institute of Technology, and Tufts.

In accordance with a requirement of the Times, the writers listed a return address and stated that they would be glad to hear from anyone desiring to write. Almost 1000 letters, postcards, and telegrams were received.

About 80% disputed the stock views, 15% wanted more information on the "positive program," 5% gave no opinion, and the other 9% were enthusiastic and in support of the view. 169 writers offered help and money. Many sent unclassified material, totaling over $100.

The professional popular wave, from listening to radio or watching television, from attending local civil defense meetings, the authors previously thought that almost everyone was in favor of the present shelter program.

MILITARY BALL

WEEKLY SURPRISED

On December 8 and 9, the Vandenberg Air Force Base presented its annual Military Ball, which was in all respects a tremendous success. The weekend began with a hard fought basketball game between Lowell State and Tech in the spacious LIT gym, and continued with a real jazz concert in Campmouth Hall, Ten of the best jazz musicians in New England assembled for the affair, and quickly established an atmosphere of spontaneity which kept the dancing swinging until midnight. Now that this precedent of real jazz music has been set, it is hoped that future jazz concerts will be of the same quality.

On Saturday night the formal ball was held in the Lowell Memorial Auditorium with many of the faculty as attendants. It was at this time that many members were officially inducted into the V.A.A. Those inducted included: Cadets W. Chandler, M. Hiltz, B. Galloway, R. Holbrook, M. McPherson, D. Stanley, H. Skerry, S. Street, R. Zigler, and J. Zimba.

The high point of the evening was the crowning of the queen and her court. This year the queen was Miss Renée Congor of Lowell, escorted by Cadet Leon Needham, and her court consisted of Misses Jo Anne Hurlock, Linda Pickering, Bonnie Hamilton, R. E. Hiltz, Marie Nadeau, and Carolyn Smith. The judges were Prof. Hallowell, Prof. Powers, Mr. Harrison, and Alman Cushing.

The weekend was concluded with fraternity parties open to all which proved a fitting end to the great Military Ball Weekend in the history of Lowell Tech.

STUDENT WIVES FORMING CLUB

Thirty students' wives enjoyed a tea and social Sunday, December 10th, given by the Faculty Wives Club, of which Mrs. John A. Goodwin is President. Mrs. James Doherty was chairman for the tea.

It was decided an initial meeting to form the official students' wives' club would be held on Sunday, January 7th, at the residence of Mr. and Mrs. Robert H. Mead. The first official meeting of the club will be used to define the goals and purposes of the newly formed organization.

Wives who are interested in participating in this newly formed organization are urged to attend the meeting, all are most cordially invited.
THE LETTERS TO THE EDITOR

Published twice monthly during the college year, except on holidays or during vacation, by the undergraduates of Lowell Technological Institute, Massachusetts. Opinions expressed in signed letters are those of the writers and do not necessarily reflect the position of THE TEXT.

To the Editor:
I am rather concerned with the parking problem here at school. I understand that the Student Council has tried to remedy the situation particularly in the Riverside lot by issuing hard-monted parking stickers to the quantity of which was issued to approximate the number of cars that can conveniently be placed in the lot.
But I have been observing that lately the parking lot has at no time even approached being full. In fact, the only reason that it is ever half full is that some people park there without a sticker, or at least, not one which the Student Council has issued.
When one analyzes the situation, one realizes why this anomaly exists:
1. There are a certain number of sticker holders who do not attend school a full five days per week. This leaves their spots vacant on days when they are not here.
2. There are some people in car pools where from two to six students group together and drive to and from alternate weeks. This means that one of each car's two has two to six parking spaces waiting for it when it arrives at school.
3. There are some sticker holders who arrive at school very early and obtain a more choice parking spot than the Riverside lot. Their spots are also vacant.
4. Undoubtedly we have a few students who picked up stickers and sent them to their parents in Jersey. The chance of these spaces being used is quite remote.

We cannot deny that the Student Council has expended time and activity fee, but who for some reason were unable to obtain a red sticker. I think to put in some of these empty spaces without hav- ing to pay a fine?
Why can't the Student Council present citations to those automobiles which are parked in a position to restrict another automobile from pulling out of its parking space, rather than to all of those which are parked haphazardly but do not have stickers?

Is the Student Council trying to make Lowell Tech emulate Nathan Nutley High School?
Sincerely yours,
John E. Sandersen

Dear Sir,
I am a bit of praise and some blame for the men who acquired the new building. I know that we have nothing whatever to do with equipping this new building because that is the responsibility of the owner of the building, who has left a beautiful blank space over the sinks—but no mirror.
I want to praise whoever thought of placing the three blue bins in the halls, which I think is a very good idea.
A hand, however, can put his notebook on a desk and write without being a conformist.

Kathleen Hogan, '84

RESULTS OF THE SAFETY SURVEY

There were only three responses to the recent Text seat belt survey. Each of these responses indicated that they had seat belts in their cars. One response, however, showed that even further and advocated use of other safety devices. Since there were no responses from people who don't have seat belts in their cars, my grant respondents are too positive, and a response or two don't have any valid reason for not having seat belts. The Council therefore encourages anyone to submit his reasons or objections to the use of seat belts.

On Seat Belts
I do not have any reservations or objections to using seat belts, but the one problem that occurs is that of possible skin irritation by the seat belt. The people are just as likely to have skin irritation as they are to have skin irritation. I only know of one car in which a shoulder harness can be purchased, dealer installed, and that is the Swedish Volvo.

Now that we have our driver equipped with seat belts and a shoulder harness, we could still lose a driver in a car if his car rolls over and the roof caves. I doubt if many American cars with their thin roof supporting pillars (especially hardtops) could roll over without having collapsed.
I would like to see all cars equipped with seat belts, shoul- der harness, and city brakes. More money should be spent in designing safer cars, but this may require legislative action, because auto companies are in business to make money not safety.

Crash helmets would undoubtedly be a fine idea, but this is a little radical for most people to accept.

Robert Klimler

IGNORAMUS

I visited your Carnival and enjoyed it. It was probably the worst and duller and longest day of the year. I had heard your men give lectures in a truly helpful manner.

My layman's mind was cumbersome in grasping in a triceps- Scott's list of great heroes, a universe, a government, a universe, an atom. Without further discussion, I would like to point out that these are the best known treasures.

The great and mighty atom, whether it be neutron, proton or electron, is probably the best known treasure.

P. M. G. Hewitt
**THE TEXT**

**As One Man Sees It**

By Karol Rochelle

There comes a time in everyone's life when he looks at the world around him, and realizes that something is wrong—basically very, very wrong. He looks at the people that once stood beside him, and suddenly realizes that they are no longer standing by themselves—not only are they not standing by themselves, but they stand by themselves. They have grown soft, and weak—they told them that they could completely surrender their ability to take care of themselves. They are not what they are, and what will come before them, and what will come after them. They have become physical and mental jellyfish.

A man looks at the world around him. He looks at newspapers and sees stories of people arguing about Civil Defense. He notices that while a great number of people believe that radiation protection is a necessity, many of these people are waffling for the government to build the shelters for them. He wonders if they will be hearing that they can march down a road network—because the government will pay 90¢ of the cost. He wonders if the government plans to "give" old cars to all over the country, and he wonders if the government will have to say about his son's education—whether or not the parent of a state two thousand miles distant has the ability or the right to decide his son's educational needs.

He reads that the government is spending millions upon millions of dollars on the schools, but he knows that he will not plant their crops, and then he looks at his ever increasing food bill, and then he wants to buy his children new shoes, and his children's children, and he wonders if it is over anyway.

He works during the week, but at the end of the week he feels his labor has not been for himself and his family, but for the government. He knows that he has between one and one-half percent of his salary (more if he earns better than a minimal salary). He listens to the man working next to him speaking of bigger and better cars, and then he thinks that he would like to laugh when that man, with complete dissatisfaction, says that he would. He counts all his taxes—his income tax, excise tax, social security tax, excise tax, and income tax, and he includes the hidden one—or and reckons that of his forty hours a week, more than thirty hours were worked to support the government. And then he wonders, with Christinas, was the recipient of millions of dollars of federal aid during the previous year, but he also reads that for every dollar that the Federal Government spends in Massachusetts, one dollar and twenty cents was collected in taxes from Massachusetts.

He sees his neighbors getting soft, and unable to cope with their problems without aid from the government. And worse yet, he sees the government aiding his neighbors, and then turning around and writing a law preventing the taking of government aid, which for the government's sake. He sees a government so intent upon projecting an image of benevolence, that in the substance of this image, he has lost the respect of the government, and the respect of the individual man. He sees that the government is trying to work under ground steadily to its enemies, yet refusing to recognize that it has enemies. He looks at the world around him, and becomes a conservative.

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**PRICES**

108 Market St.
The flying umbrella

If you are ever walking to school in the near future and happen to look up and see something that resembles a rumpled umbrella with a man hanging from it, don't try to rescue the man since it will probably be Mr. Mellin of the Electronics Dept. trying out his new "Flying Umbrella." This unusual experiment was described in the July, 1961 edition of the American Association of Physics and is reprinted below. Don't laugh. The day may soon come when we trade in our automobiles for a "Flying Umbrella."

A small umbrella was attached motor and fan so that the possibility of vertical flight. The motor is mounted within the umbrella, with the dial of the motor slightly to the top. Attached to the dial is a centrifugal propeller which draws air through a hole in the umbrella and propelled it, gradually forming the top of the umbrella. Since the airflow follows the curve of the umbrella, the air is deflected downward until the result that the umbrella is pulled up upward.

The technique of the lift has been found successful in a hilly area to a height of up to 24½, 8½, and at 2½, 2½ footu. For the measurements, the umbrella and motor were hung upside down from a spring balance as shown in Fig. 1. The spring balance readings was 10 24½ greater than the umbrella alone with a 2½ 2½ ft. Lift. A centrifugal fan made of two pieces of a cardboard cutout produced a lift of 8½ ft. One piece was rectangular and it worked successfully under either of the supports as shown in Fig. 1. The spring balance readings was 10 24½ greater than the umbrella alone with a 2½ 2½ ft. Lift.

To aid in making the first lift of the lift one might expect from this device, one can calculate the approximate power P delivered to the lift by the motor.

\[ P = \frac{Fv}{2} \]

where \( F \) is the force directed upward on the umbrella, \( v \) is the radial velocity of the air, and \( d \) is the area of the fan disc. At the time the lift is equal to the rate of change of momentum of the air discharge, the lift \( P \) may be calculated from the formula

\[ P = \frac{Fv}{2} \]

An alternative approach for calculating the lift would be to apply Bernoulli's principle to the flow over the top surface. The high-speed air reduces the pressure on the top which results in a lift. The reaction force to the flow is the lift. Since the air flow on the surface on the sail, which causes the sail to be deflected or bent downward. Even an approximate analytical analysis by this approach would be difficult, for both the radius and the cross-sectional area of the sail vary.
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If you think you're seeing more Marlboro men lately, you're right. More than 25,000 smokers all over the country are switching to Marlboro every month!

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MILITARY BALL WEEKEND - SMASH HIT!
THE TIMES

A CONSERVATIVE FREEDOM

versus COMMUNISM

What do communist leaders plan for your child? What can you do about it?

Following is a list of the answers to these questions can be found in the Chamber of Commerce of the United States will host a luncheon at the Shamrock Hotel on Saturday, May 16th.

A new course designed for persons interested in studying social issues and the effects of communism on our country. The course will be taught by Mr. John Smith, a leading authority on communism. The course is open to all interested individuals and will be held at the Chamber of Commerce on May 16th.

The course will cover the history of communism, its principles and practices of democracy. Major emphasis will be on communism, but military, political, and economic aspects of communism are also covered.

The course is open to all interested individuals and will be held at the Chamber of Commerce on May 16th.

THE PRICE OF FREEDOM

FOR WGBH

Two weeks ago, the Council asked all organizations to take a collection among their members for a special holiday fund. So far only one organization, Omicron Pi Fraternity, has given us this contribution. This definitely shows a lack of interest on the part of the organizations. We are extending the date until the end of the month, so let's have a little cooperation. For those students who do not belong to any organization, boxes are set up in the Campus Restaurant and in the Institute Cafeteria.

The Student Council and myself wish to extend to all the students of Christmas greetings and hopes for a Happy New Year.

JUST CHANGE THE Y AND ADD $5

America is in the 'soft sell,' where, daily, advertising performs a painless operation on the pocketbooks of her citizens. The result is that the average American seems to have lost the unalloyed virtues of the product of the moment, whether that product be a new soap that will wash "really clean" or an automobile that will make the housewife feel "beautiful." Advertising has done a thorough job on the man of the house, and even the woman of the house is taking up the technique of advertising. This is a new trend that is responsible for the wealth of America. Freedom of speech does not travel exclusively on a one-way street marked "searching for freedom." Freedom of speech is often exercised on a one-way street marked "Private Profit," and our free speech is often used to "Win the Election."
DELTA KAPPA PHI

Aah, the long-waited Christmas vacation has finally arrived and everyone at TLTI is making the most of it. But before you go we of the house of Delta Kappa Phi would like to fill you in on our own activities of the past few weeks.

Since the position of Secretary of this issue, we are proud to say that many of our brothers have been accepted into three important organizations both on and off campus. In this category fall the names of John Luther and Fred DayLewis, brother John Peter, Brother Fred DayLewis, and brother John Thorne, all seniors. The latter was Annatorlee Williams Chandler, a junior.

Going now into the athletic department a big hand of thanks goes out to all the brothers who were on the house at Tech—acceptance into the honorary society of Tau Epsilon Sigma.

In the nationwide "Who's Who" series are Conrad Donald, Melting; Donald Hinkleman, Beta; John D. Lincoln, Delta; John T. Lincoln, Lambda; John T. Lincoln, Xi; and William H. Lampe, Chapter. Music is being featured in the nation, and the students who were directing the Choral Society were legging it out. Out on the basketball floor, the Devils are holding their own with a one - one showing so far. Keep up the good work, members.

R.O.T.C.-wise a Delta Kappa Phi handshake to pro consul Jan Wilmink who recently was promoted to cadet 6. Colonel and brothers Christie and Chandler, who are now holding the rank of cadet captain.

In the congratulations department are the following brothers who recently gave their pins to three very lucky females: Robert Gudelis and Myron Atwood, Ted Hadri and John G. Tonn. Before you go Newss and Sondra Knutson.

Concerning the very successful Military Ball Weekend, the Devil's tags taps are off to the R.O.T.C., and especially to some great musicians who made Friday night really swing. Those guys were, let us say, "infinitely cool." and made the night a memorable one for us. Thanks are in order to Professor George Mandel, who was acting as chaperone for the after-concert party at the army post.

Saturday night was just as named—alas. The decorations were admirable and the evening was enjoyed by all. We of the house of Delta Kappa Phi sincerely hope all of you freshmen enjoyed yourself at our house Saturday night and hope to see you all there later in the year. Again, our thanks to the chaperone of the evening, Professor and Mrs. Harcourt, who helped make the party possible.

All the way, we haven't forgotten about Gerry McDonald and Dick Priloff, the two brothers who finished our new stereo system in time for the ball. Thanks from all the brothers.

In a more serious vein, we would like to announce a new society, which the brothers of Delta Kappa Phi take this time to sincerely wish all of you a happy vacation and, lest we forget, a very holy and Merry Christmas.

OMICRON PHI

All the brothers who attended the Military Ball weekend agree that we had two of our most perfect parties all year. Many attended the basketball game Friday night and although the results weren't completely in our liking, they did step up from having a great time afterwards. Twist records were the rule Friday night and Bob Brown and his band provided the music on Saturday night. We would like to thank Prof. and Mrs. Elsbach for chaperoning Friday night and Coach and Mrs. O. F. for chaperoning Saturday night at the house.

O Pi has wrapped up the bowling trophy by defeating D. K. in a close match at the Chelmsford Bowl-Rama. We wish to thank the management for also presenting us with a trophy. The bowling team consisted of Paul McLaughlin, Bill Minnose, Pete Byra, Jack Collacchi, Tom Burke, and Jim Stulay and deserve a round of congratulations. Also in the sports line, it looks like a good year for basketball as the team, coached by Pete Byra and Paul Holden, defeated Phi Psi in the first game of the season. Starting for the team were Dick Daykays, Dave White, Archie Lincoln, Walt McHenry, and Jerry Bonville.

The brothers at O Pi wish everybody a Merry Christmas and a Happy New Year, and hope that your vacation is a good one.

PHI PSI

Man, what a swingin' weekend! Anymore like that and we will be looking for a new house! On Friday night it was the Counts rockin' and rollin' and above all 'Twisting' for all the fraternal brothers. For those whose backs were still in shape, the Dynamics were in tune on Saturday night providing the popular sounds once more. The brothers wish to extend their extreme thanks to our chaperones, Prof. Hollembach and Prof. Harrison for making the enjoyable evening possible.

Monday, Dec. 11, the annual PHI PSI orphan's party was held. The kids were treated to cartoons and a turkey dinner. Playing Santa (there was no trouble in choosing this year) were:</p>
“What'll it be, Miss Porter... the Dekes or us?”

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Challenging opportunities exist now at Western Electric for electrical, mechanical, industrial, and chemical engineers, as well as physical sciences, liberal arts, and business majors. All qualified applicants will receive careful consideration for employment without regard to race, color or national origin. For more information about Western Electric, write College Relations, Western Electric Company, Room 4210, 322 Broadway, New York, N. Y. And be sure to arrange for a Western Electric interview when you visit their colleges next fall or spring.

New engineers with initiative who can meet Western Electric's high standards are offered many exciting career opportunities with our company in data processing, development and work as it relates to communications.

For example, Western's engineers—working closely with Bell Telephone Laboratories—have solved development and manufacturing problems associated with the Bell System's new DATA-PHONE Data set (made by Western Electric). DATA-PHONE sets business machines, such as computers, 'phones to each other in a language of numbers and symbols over existing telephone communication networks. This represents a tremendous bonus to business and, consequently, it is estimated that some day these may be more valuable to business than people talk using telephone lines.

Of course, data communications is only one of many rewarding career areas that await you at Western Electric. Here are just a few of the others: electronic switching...solid state electronic devices...microwave radio relay...computer-programmed production lines... solar cells...optical memory...futuristic telephones.

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ed kepler

DOCTOR SAX
by Jack Kerouac

There is hardly another American writer whose name in the last decade has aroused so much excitement and controversy as Jack Kerouac. As the author of "The Subterraneans" and "On the Road," he has impressed himself on the literature of our time and on the authentic voice of the Beat Generation. Now, he offers another book, equally challenging, equally likely to make its mark on literature.

Doctor Sax is a story of the awakening youth in the grey, colorless surroundings of Lowell, Mass. It is the story of Jack Duluoz, like Kerouac himself a French-Canadian, growing up among the shadows of Lowell Tech and the doorways of Moody Street and Textile Avenue. Above all, it is the story of the mystery and terror of an immensely foul adolescence.

Like the Merrimac River whose ever-present roar mingles with the sounds of Lowell, Kerouac's prose sweeps along with the force of a current, washing away layer after layer of sense impression, until at last each fearful vision stands starkly vibrant. Always lurking behind the corner of Jack's mind is the shadow of Doctor Sax, his cape flowing, his sleuth hot half-concealing a malevolent leer. He is one of a host of ghosts, monsters and demons that inhabit his fantasy-ridden world. Memory and dreams are intertwined in a mad universe which at last erupts in an apocalyptic vision that destroys the reincarnation of evil, and with it Jack's Shadowy World.

Kerouac has prompted critics like J. Donald Adams to say that "he can describe the world of physical experience better than anyone since Hemingway." Here, descriptive passages magically slide away and bring alive the odors, sounds and sights of Lowell. They stand side by side with stretches of rollicking fantasy in which Kerouac displays an unending verbal inventiveness. Occasionally, the tenderness at points gives way to a raw power which, as Luther Nichols says "pushes all before it in one man's subjective impression."

Like the hero of his novel, Kerouac was born 36 years ago in Lowell and spent the early years of his life within the area of Lowell Tech. His experiences in this vicinity and the description of the surroundings will ring a bell in any student's mind as his commentary on characters and scenery is thin. Within the novel he mentions members of the LIT faculty, campus activities, fraternities, and places familiar to all, thinly masking for several hours of most enjoyable reading.

This, his fifth novel to be published, is currently available in a paper back edition at local stores for $1.75. Why not pick up a copy from the LIT Bookstore or the Campus Bookstore for a change of pace over the holiday vacation?

Check your opinions against L'M's Campus Opinion Poll '14

1. Will the U.N. grow stronger in the next 10 years?
2. Which is most important to you in picking a date...
3. Do you buy cigarettes in soft pack or box?

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There's actually more rich-flavor leaf in L&M than in any other cigarette. You get more body in the blood, more flavor in the smoke, more taste through the filter. So expect more, get more from L&M and remember—L&M's modern filter, only pure white touches your lips.

Get with the Grand Prix . . . Enter today, enter incessantly!
MERRIMACK DEFEATS TECH

HARMING THE BENCH

DICK GRANDALL
Sports Editor

Recently, a very important Intramural Inter-Fraternity Basketball game was suitably concluded in accordance with a statement that was made in my column concerning the Intramural Basketball league. The statement was not a slap on anyone's at all, but was based on my knowledge of the strength of the teams playing in the league. After the game was over, I was bluntly told by one of the winning team to "print it right!"; the obvious meaning being that the house got a proper write-up in addition to a lot of free publicity. Some people may consider this "gumbo" attitude as extreme fraternalism and something that is expected of all fraternity brothers when their house was an important game. Thus, they would say that this was nothing to be concerned with but it is something which I cannot let pass. I would like to make it clear that there is nothing against this frat house but just the attitude of a few of its individuals. Wherever this department is secured, directly or indirectly, of some eighty members, I consider it a slap in the face to not only me but also my staff. I would like to ask these individuals to show me any instance where this department has slanted the news in any direction at all. Perhaps they should read the editorial of the last issue and learn that this is the new way. This is so shocking here and anywhere else. They think they can write sports news any better, playing no favorites (which I believe they would find it hard to do), I invite them to try. Otherwise I leave the sports writing to those interested in reporting sports—not fraternal gree 3 months.

Needless to say, this attitude is common to all forty-four colleges on campus which often seek to use the "news" to their own benefit. In such cases I consider it a slap in the face to not only me but also my staff. I would like to ask these individuals to show me any instance where this department has slanted the news in any direction at all. Perhaps they should read the editorial of the last issue and learn that this is the new way. This is so shocking now and anywhere else. They think they can write sports news any better, playing no favorites (which I believe they would find it hard to do), I invite them to try. Otherwise I leave the sports writing to those interested in reporting sports—not fraternal gree 3 months.

NEWTOWN INTRAMURAL SPORT AT L.T.I.

At Lowell Tech, sports are not emphasized. However, due to a number of students who have been drawn to play, the recent Intramural sport, the Ten Pin league, was initiated by three individuals. Credit must be given to Prof. Ralston Yarmall, two students, John Grinkas and Jim Rice, Grinkas last year's leading bowler, along with Ralston Yarmall, have devoted much time to the establishment of the league. The league congegates at the Alpine Ten Pin Lanes every Wednesday at 6:30. As of now, there are ten teams in the league which not only include students, but also faculty.

Individual high bowler so far as John Grinkas and Tom cook have an average of 161, high single 233, and high triple 633. The Bowler's team has the team high single of 266, and the team high triple of 240.

Jim Rice, the league secretary, tells us that the league is open to anyone who is willing to devote a few hours a month to the sport. They are going to try to increase the number of participants. They plan to have about ten teams by the end of this season.

In addition to the above, there are several other teams which are interested in participating in the league. These teams are practicing every day and are hoping to have a team ready by the end of the season.

Through the efforts of Prof. Ralston Yarmall, John Grinkas, and Jim Rice, the league has been established and is growing by the day. It is a great success and is sure to continue.

SPORTS

JOEY KELLY'S SPORTS QUIZ
The Philadelphia Warrior who set an N.R.A. scoring record of 78 points per game. - are now the leaders in the Eastern Division of the N.P.I. The season average for Leon Uzodinma, Tech's big scorer, is 23.77.

The World Ski Championships will be held in

HAPPY NEW YEAR

From the staff of the Lowell Free Press

Lante-Pin League Standings

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BROTHERS FOUR FOR THE ALL-TECH WEEKEND

On Friday, Feb. 10, the Student Council brings to L.T.I. the talented and popular "Brothers Four" as part of their annual All-Tech Weekend. This weekend is unparalleled on campus, since it is for the entire student body, freshmen as well as seniors and because it contains on its tentative agenda, besides the "Brothers Four," a snow scene contest, leafleting, and one of New England's greatest dance bands, Jimmy Moshur. The highlight of the weekend will come later, so let's turn our attention to the fabulous "Brothers Four".

Success stories are always exciting in the entertainment world, but the basketball season of the Brothers Four is remarkable even by show business standards. Just a little over a year ago, Dick Foley, Mike Kirkland, John Palma, and Bob Fleck, brothers in Phi Gamma Delta fraternity, started singing together just for fun at the University of Washington in Seattle. Then they began to sing in public. The response to their re-freshing, relaxed, yet enthusiastic style was overwhelming.

They hit the big time with their first professional job at the hungry i Restaurant in San Francisco, where they were spotted and signed by Mert Lewis, manager of Dave Brubeck. Within six months they had a Columbus contract and one of the big record hits in the country—"Greenfield."

One month after they arrived in New York they made their network television debut via the Jimmy Rodgers Show, and since have appeared on the Ed Sullivan Show, the Kate Smith Show, Mitch Miller's Ford Starline Spectacular, the Dick Clark Show, "Be Our Guest," Canada's award-winning Q Show, and the Bell Telephone Hour. They have appeared at many of the country's most remote and recently completed an engagement with Johnny Mathis at the Carter Barron Theater in Washington, D.C. They have also won popular and critical acclaim at the Newport Folk Festival, as well breaking attendance records at the Totem Pole Ballrooms.

Young, good-looking, and immensely talented, the Brothers Four are proud to admit that their secret is simply having fun with a good song. Their goal? Just hope their audiences and not the L.T.I. student body, have as much fun listening to them as they have singing.

NOTE: See Bob Dour's column for more information.

A.S.T.M.E. VISITS WATERTOWN ARSENAL

On Wednesday, November 23, 1961, twenty-five students went on a field trip to the Watertown Arsenal. The trip was sponsored by the A.S.T.M.E. and included a tour of the 15-inch gun foundry, the gun hardening facility, and the 16-inch gun foundry. They also had an opportunity to see some of the ancient weaponry on display.

The tour lasted about three hours and was hosted by the Materials Testing Laboratory. The Materials Testing Lab at the Arsenal conducts studies concerning principles of testing materials, including hardness, strain rate, and stress. The tour provided an opportunity to learn more about these important fields of study.

MEET YOUR CLASS OF '65 OFFICERS

President: PAUL D. PERREault
Vice-President: JAMES SEERRY
Student Council Representative: GARRY GOQUEN
Treasurer: ANDREW BORSA
Secretary: NORMA CARMIER

TECH PLAYERS OPEN SEASON

Over 300 students and faculty attended the Tech Players' initial effort of the season on December 7 at 12 o'clock in Cumnock Hall. The play, "The Twelve Pound Look," was directed by Richard Daukays and starred Eileen Conlan and Alvin Thomkins. Also included in the cast were Pat Cavanaugh and "Scotty" White.

PROD. THOMAS HIGGINS, advisor to the Tech Players, complimented the company saying that the entire production was "one of the best performances of the type that I've ever seen." Director Richard Daukays stated that the outcome "certainly justified the efforts of the entire cast and crew" and went on to say that this is going to be "one of the best years that the Tech Players will ever have," with plans now being made for the production of a Chodlov play after Christmas and an original play by one of the company during the second semester, in addition to the annual Spring production.