This is Comarthy ’65

This year, as has been true for the past two years, the staff of Comarthy has again produced a magnificent display of talent in their yearly production. This year's production, the staff tells us, will be one that students in source of talent success for the school's theme of comedy and variety to produce a show which was truly enjoyable to all, student and faculty alike.

The Master of Ceremonies for this show was the personable Fred Patterson, whose constant wit made itself apparent throughout the show. His "Lauded observer's critical analysis of Lowell Tech talent" included 

Mr. Hagen

Mr. Glitsman

Mr. Seacrest

Mr. Feeney

Mr. Donnelly

Mr. Forthney

Sports editor

Lowell Tech Talent Show

Lowell Tech Elects New Editor In Chief For Next Year

Last week the staff of the new elected William Flaherty, class of 1967 as its new editor-in-chief for the forthcoming year. He takes over for Skip Almstroemer, who is presently held the position as editor. The staff now
corporate to
in
 liberals
the


Phi Sigma Rho Elects New Officers

Phi Sigma Rho is the national honor society for engineering students. The chapter at Lowell Tech has elected new officers for the upcoming year. The new officers are:

President: 

Vice President: 

Secretary: 

Treasurer: 

The new officers will be 

Lowell Tech Elects Fellowship Results Final

After four weeks of campaigning, speeches, and voting, the results of the voting for next year's student officers were announced. The officers are:

Student Council: 

Richard Motley, president; Robert Mar- 

ian, vice-president; Raymond De- 

Velasquez, treasurer; John Harring- 

ton, secretary.

The new officers will be sworn in at a later date.

Cedric Gurnard Receives Award

Cedric Gurnard, a senior at Lowell Tech, has been awarded the 

Lowell Tech Electors

LOWELL TECHNOLOGICAL INSTITUTE, LOWELL, MASSACHUSETTS

May 7, 1955

LOWELL TECH RESEARCH LICENSED TO ATOMIC ENERGY COMMISSION

The U. S. Atomic Energy Commission has licensed Lowell Technological Institute to conduct research in several fields. The institute's research programs will be directed by Dr. Joseph R. Papp, executive director of the Science and Engineering Center for Policy and Research, and Charles E. K. Dickey, professor of chemistry. The research will be conducted under grants from the Atomic Energy Commission.

Arnold Air Society

Arnold Air Society is a national honor society for students in the field of aeronautical engineering. The society was founded by Dr. Clarence D. White, president of the University of Michigan, in 1934. The society's purpose is to promote the study of aeronautical engineering and to encourage the development of technical leaders in the field.

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Research for Practically Everyone

By Dr. Roy F. Darby

For the senior research project of several close friends, we are compelled to use the idea that we have saved a waste for those who could not properly get rid of it. What our research does is to explore how we can work at research as a career and, those who have done so, what experience they have had with research.

It is here that the next few years in our college are going to work in a field of research and give us a chance to do our own research. There are many people who are interested in doing research during this period.

The current question that we are going to talk about is: What is the career of research in this period? Let's see some conclusions we can draw about this field.

Economic Considerations

The economy is rapidly changing, and we are all aware of the fact that many students are going into the field of economics. In order to remain competitive in this area, we need to understand the economic problems of today.

By Dr. Roy F. Darby

Chairman

Economic Research Committee

The research committee is responsible for making recommendations to the president about the economic problems of this institution. The committee is composed of faculty members from various disciplines and is committed to analyzing and evaluating the economic situation of the institution in order to recommend policies that will address the economic challenges facing the institution.

Research and Discovery


For us, the most interesting question is: What is the most interesting research? It is not what we can call the usual kind, but it is certainly important, and it is what we are going to consider in this paper.

We are going to consider research in the areas of physics, chemistry, biology, and engineering.

In physics, we are going to consider research in the areas of atomic physics, particle physics, and condensed matter physics.

In chemistry, we are going to consider research in the areas of organic chemistry, inorganic chemistry, and physical chemistry.

In biology, we are going to consider research in the areas of molecular biology, cellular biology, and developmental biology.

In engineering, we are going to consider research in the areas of civil engineering, mechanical engineering, and electrical engineering.

These are just a few examples of the kinds of research that are going on in our institution.

A. J. Fleming, Electrician

One of the most interesting questions is: What are the most important discoveries? The answer is that it is not just the discovery of a new element, but it is the discovery of a new way of looking at the world and of the ways that we can use the new knowledge to improve our lives.

Sir Alexander Fleming, a British scientist, discovered the bacteria called penicillin in 1929. This discovery was a major breakthrough in the field of medicine and has led to the development of new antibiotics that have saved millions of lives.

The most important discoveries are those that have the potential to change the way we live and work. These discoveries are the kind of research that we should be doing in our institution.

W. M. Wheeler, Science

There is no reason to suppose that the number of amateur inventors is going to be reduced significantly in the near future. On the contrary, it is likely to increase as more people become interested in this field.

One of the most interesting questions is: Who are the amateur inventors? The answer is that they are people who are not professional scientists, but who are interested in research.

Some of the most successful amateur inventors are: Thomas Edison, who invented the light bulb; Alexander Graham Bell, who invented the telephone; and Charles Darwin, who wrote "On the Origin of Species".

It is important to recognize the contributions that these amateur inventors have made to science and society.

A. D. Liddle

I cannot forbear in this connection to refer to the opportunity which the University of Lowell offers to its students. The University has a financial position which enables them to attack problems, the study of which is beyond the means of the student, and which is why they are interested in this field.

The importance of this position is that it is a recognition of the value of research and the importance of making research accessible to all students.

James B. Conant, Chief, Eng. News

In general, the great scientific advances of this period were made by amateurs, as they had become from the seventeenth century. It is not until we reach the second half of the nineteenth century that we find that the amateurs made the great advances in the field of physics. The reason is that the cooperation of many people was necessary in order to make the discoveries.

The second point is that the revolutionary advances in theoretical terms were made by amateurs who were very much amateur. And clearly not all the great advances in this century were made by amateurs. But many of them were made by amateurs who had no intellectual descendants. Will their twentieth-century equivalents be made by amateurs? I don't think so. We have seen the professional group—be able to carry on? Perhaps, but I submit a new era is about to dawn. We are in the midst of a revolution in human affairs as well as in physics. And I submit that the next generation of scientists will be those who have a considerable degree because of the momentum accumulated in this field.

At all events, there is sufficient doubt about the ability of the new ways to be subordinated to the old for us to examine the problem with some care.

T.O.C. Wants You!

All those interested in joining the TOC for September through October are invited to the dinner, which will be held in the school at 6:30 p.m. on the first Tuesday of each month. The dinner will be a monthly event and will provide an opportunity for members to discuss research and other topics of interest.

Mr. Charles Higgin, Chair

The TOC is a group of people who are interested in research and who meet monthly to discuss research and other topics of interest.

Dr. William J. Gifford, known for his contributions to the field of research, is the TOC's current chairman.

Dr. Gifford received his Ph.D. from the University of Cambridge and has published extensively in the field of research.

Dr. Gifford is also a member of the American Association for the Advancement of Science (AAAS), which is the largest scientific organization in the world.

Dr. Gifford is currently working on a new research project that he hopes will attract funding from the National Science Foundation (NSF).
College Dropouts

PRINCETON, N. J. — (T. P. — Students who fail to score high enough on reasoning tests from psychological problems and drop out of college are generally students who are reports of a study reported at a conference here last week by Dr. Lewis E. Ornstein, psychologist, University of the South, which results of the study were used.

The meeting, on the subject “Psychological Test and the Utilization of Talent,” was attended by about seven young psychologists from family relations and treatment specialists, and by several speakers reported at a conference here this week by Dr. Lewis E. Ornstein, psychologist, University of the South, which results of the study were used.

The extent of dropout from college was charted by several of the speakers, including Robert R. H. of the United States Office of Education, who said that for the period 1953-54, 55 per cent of those who entered college received their bachelor’s or master’s degrees in four years.

Archibald N. Grosfeld, Dean of Engineering at the University of Illinois, said that of the students who left, 45 or 49 per cent of whom were transferred to another institution.

The data for individual schools varied widely. Six colleges reported or studied years that showed dropout rates for the last three years, 20-30 per cent at Princeton, 25-30 per cent at Yale, 40-50 per cent at Pennsylvania State University, and 50-60 per cent at the University of Illinois.

A paper by Dr. Pervin said that 59 per cent of the dropouts from Princeton’s Class of 1954 and 89 per cent of the students who had left did not return to the College.

Here when they left, these students often were more money from their parents and more money to live on.

The problem, he said, was that dropouts were “incredibly untrainable, they could not even get the most basic training from their action.”

Dr. Pervin did not suggest that they could feel free to drop out at any time and in any way, without any consequences.

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Every year, around baseball time, you can hear the old timers and the younger ones arguing about who is going to win the pennant.

"Aye, the Yankees got 'em set up, or what about the Mets," are familiar cases. This year, a few more of them, fans, decided to take part in what the popular opinion would be. Hence, a rag poll was developed. There were even contributions to our poll including such unique personalities as Rusty Rattler, Jim Oliver, Jim Lambert and Fredie Harrison. Maybe I should change the title of the article, or second thought...

Without further ado, I present the RAG POLL.

AMERICAN LEAGUE

1. New York
2. Baltimore
3. Los Angeles
4. Minnesota
5. Cleveland
6. Detroit
7. Los Angeles
8. Boston
9. Washington
10. Kansas City

I can hear the groans and groans now, but there may be some truth in the standings as they are presented. If Marge's legs don't give it away, maybe Jasper's legs will. If Yankee pitching can sharpen their skills, they should pull it out. Baltimore looks good for second place, though Minnesota may be tough as Killer's bat along with Jim Koon's pitching, looks like trouble. In my opinion you can watch Demit and Boston, as the Yaw and Tony C. should have great seasons. Chicago is always tough as Al Leger seems to linked to that second place position, and that is exactly where they are. Baltimore's pitching must improve greatly if they are going to be in contention this year. As for the cellar, it looks like another fight between the Senators and K.C.

Moving over to the National League everybody agreed that Houston and the Cubbies would finish first. I can't agree in a four place finish for Los Angeles, as Kenosha and Padres both seem to be thriving with no pain. Philadelphia has been humbling, while Cincinnati and Chicago have been giving great looks. With Coton's Sammy Ellis, he won the triple crown last year. St. Louis got off to a slow start usual, but should get rolling soon. Pittsburgh won't finish better than seventh, although better still finishing. As usual the National League should provide an exciting and pennant picture.

How true will the RAG POLL be? Save the article and look out in the fall. You can never tell, maybe the positions of the two New York teams will be reversed.

Since this is the last text issue of the year, the Sports Dept. would like to thank the coaches and the managers of the Variety Teams for their never ending cooperation. This year has seen the best of sports at Tech and from all indications next year will be even better. Tech's Variety players must give the heartfelt thanks of the entire student body, for contributing their time and effort. To all the returning soccer and basketball players of this family...

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Shoes for the entire family

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Bostonian Shoes for Men
Socks, Shirts, Ties and Underwear

THE TEXT

Rowing Club Begins Training

About a month ago tech placed one more club. Unique as Tech is this club was the American Rowing Tech campus. The boys in this club are learning to navigate those lovely Merrimack hard way; at the end of an oar.

In the first forcing the Rowing Club, or any club for that mater, many things are hard to get. One thing this club does not lack is people with a great deal of enthusiasm. Coach Wadlinger has been in the motor boat since it could be assembled with the addition of a good wind, and in the beginning, he was the captain of the team.

The club already has a conclusion which has been approved by the Dean. Dickinson was elected president of the club. He is a man who has been perfect in the man's job. His one officer is the secretary, who is in charge of the records and reports to the captain.

The members of the club upon arrival at Lowell will be members of the National Association of Amateur Gassam and the New England Amateur Rowing Association.

The Rowing Club has a training schedule when not less than four days a week must be devoted to the practice as an exercise by the crew. (Prof. Rasmus). Some of his prescriptions are very different. Sometimes you may see some poor soul running along the L.L.O. (Lowell Lake) and not doing it for. He'll probably tell you he's doing it for the wind, which he was instructed to say.

Prof. Rasmus' book which he has some wide exercises is the main responsible for this club. He has the cap in the face, built, and is glad to be doing what the book instructs him to do. He has won many wonderful matches in the past few seasons and if put into the boat will win.

Thanks to the courtesy of the Andover Academy, Tech has four men which have been on the team for the past six years. The leave Andover this summer will end on Saturday, July 5, 1965. Andover must select its own replacements, for there are no longer any Harvard prodigies. Prof. Kuzma hopes the Techs will have no trouble in finding new helpers before the boat has seen.

Tan Pin Bowling News

With the second season of bowling completed, the Lucky Strike League moved up and each club was able to take the right to face the Crown Jewel in the amateur, trophy roll off. Each of the members of the K.C., Jack Smith, Paul Santo, Doug Blue, and Ken Brown received a trophy which included the following individual winners: Jack Smith (heavier all round), Roger Bejafr (high triplet), and Paul Santo (light triplet). Each selected winner's belt buckle (high over light triplet) was presented by the high triplet. The top five in the K.C. were: Jack Smith, Paul Santo, Santo, Geoff and Lough in that order. The Bowlers' Guild at K.C. have been in existence for six times during the year. It was held every Friday night at 8:00 p.m. (October, December, February, March, April, and May) and is.
Varsity Baseball

The Tech Baseball team is looking forward to the Vermont trip, as a clean sweep may well mean a winning season for Coach Yarnall's team. The team, which is still lacking in depth, has experienced hard luck in its early season starts. Tech's record stands at an impressive 2 wins and 6 losses.

The rundown on Tech's record is as follows:
- L.T.I. 1 St.E.A.F. 7
- L.T.I. 2 Rules 7
- L.T.I. 3 Hartford 27
- L.T.I. 4 Ansonia 7
- L.T.I. 5 Naugatuck
- L.T.I. 6 Braeden 11
- L.T.I. 12 Carry 5

There will be only one senior starter leaving this year. Jim See, who is captain of the squad, is ending his fourth year with Tech's starting shortstop. Jim has been a standout four years on the team and will be greatly missed. Barry Edgerton, who was a main factor in the winning season of 1963, has not been able to find his edge and he hopes by the end of the season he'll develop some of the season effectiveness that will enable the team to come out strong. Ed Cox, a righthanded freshman, is the only Tech pitcher who has had a big season so far. He beat Naugatuck and Cerry and looks like he may be a main factor in next year's season. There is an abundance of sophomores who are starting and next year should prove to be more of an optimistic year than the seasons of the past.

From the statistics below, it is seen that Stan Baker is leading the team in batting average of .438. Joe Reckman is close, with .437. Barry Yarnall is looking forward to a fine 1966 season. The immediate issue however is the long awaited Vermont trip. Play good ball boys and get to bed early.

Our Health

By J. M. Anderson, M.D.

Watch Out For PD!

Have you ever heard of periodontal disease, also called P.D.T.? Probably not. Yet, more adults lose their teeth due to periodontal disease than from cancer. This little known fast of dental health deterioration plagues almost everyone. This disease, once established, is thought to be the only major cause of tooth loss.

Periodontal disease is a disease of the supporting tissues which hold your teeth in place. You have heard of your gums. Poorly maintained periodontal disease can result in tooth loss. Periodontal disease begins with the coating of the teeth which slowly wears away. Yet another periodontal complication is your breath, in fact, the very way your teeth meet when you bite down. An improper bite can cause tooth loss. Notice that this list of extraneous factors to dental health carries, yet they all result in tooth loss.

TECH TERRIERS

BARRY BELTS ONE

Varsity Statistics

<table>
<thead>
<tr>
<th>Player</th>
<th>Batting Average</th>
<th>Runs Batted In</th>
<th>Home Runs</th>
<th>At Bats</th>
<th>Total Bats</th>
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<tr>
<td>Baker</td>
<td>.438</td>
<td>38</td>
<td>9</td>
<td>90</td>
<td>128</td>
</tr>
<tr>
<td>Yarnall</td>
<td></td>
<td>2</td>
<td>3</td>
<td>22</td>
<td>25</td>
</tr>
<tr>
<td>Edwards</td>
<td>.354</td>
<td>2</td>
<td>1</td>
<td>12</td>
<td>13</td>
</tr>
</tbody>
</table>

Intramural Softball

Phi Psi  11    12
Phi Lamb 7     5

Intramural softball action resumed this week withPhi Psi smoking previously undefeated Phi Lamb out of first place. Rusty Todd and Stan Dicicco led the winning attack with an amazed total of 10 hits and 4 runs. D.K., and Steve Dukin of Phi Lamb kept the game close with a grand slam homer.

<table>
<thead>
<tr>
<th>Team</th>
<th>Hits</th>
<th>RBIs</th>
<th>Errors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phi Psi</td>
<td>11</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>Phi Lamb</td>
<td>7</td>
<td>5</td>
<td>0</td>
</tr>
</tbody>
</table>

Phi Psi led by Pete Garrett's single, double and 3 home runs, led the winning attack with an amazing total of 11 hits and 4 runs. Phi Psi and Phi Lamb played their last game of the season.

INTERDEPARTMENTAL TOURNAMENT 1964-65

TROPHY WON BY PHYSICS DEPT.