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1935 • Published By The<br>Senior Class Of The<br>Lawrence Institute<br>Of Technology<br>Highland Park,<br>Michigan



Main Entrance
THE LAWRENCE INSTITUTE OF TECHNOLOGY

## FOREWORD

If we are made to relive and again see the fond memories of our own tasks, our labors and our pleasures-

If, in these pages, are represented and reflected the spirit, the pride and belief in this institution - then our labor enshrined between two covers has not been unfruitful.

## DEDICATION

May the Class of ' 35 dedicate this book to the memory of Russell Ellsworth Lawrence. As a tribute to an understanding spirit, a life of service, and loyalty to the highest degree.

May this consecrate his noble aims. That men thru all eternity may be guided toward the goal he sought to help them reach.


Russell E. Lawrence, Founder

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E. George Lawrence


Lyman Ellsworth Lawrence


## ADMINISTRATIVE OFFICERS

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Lyman Ellsworth Lawrence - . . . . . . . . . Secretary
Catherine Graeffe - . . . . . . . . . . . Treasurer
Genevibve G. Dooley - . . . . . . . . . . - Registrar

## ACADEMIC BOARD

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Harold C. Boothroyd
Glenn R. Bushyager


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Massachusetts Institute of Technology
Drawing


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Mecbanical


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B. Ae.E., University of Dfaoit

Aeronautics


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B.Ch.E., Cornell University
Chemical
HAROLD C. BOOTHROYD--
B.Ch.E., Cornell University
Chemical
HAROLD C. BOOTHROYD--
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Chemical





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M.S., University of Michigan

Electrical

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GENEVIEVE DOOLEY-

[^0]

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Chemical


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LL.D., University of Tubingen, Germany.
Economics, Law



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B. of E.E., Lawrence Institute of Technology. Electrical Laboratory Assistant


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Electrical


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HAROLD VanBUSSyN -
A.B., Butler

Industrial Difoctor



HENRY L. WOLFFENDENB.S., M.S., E.E., University of Michigan. Mechafical

* MUNoppexder


MYRON ZUCKER-
B.S., Cornell University; M.S., Union College.

Electrical

## THANKFUL

## Thankful

That the vision of a man,
Who dared to dream and plan, Is now a steady light
By which to carry on our fight.

Grateful<br>For the act of God<br>That such a mortal trod<br>Among bewildered youth<br>Pointing out the truth<br>As Russell Ellsworth Lawrence

Ben Schiller

SEniors

## CLASS OFFICERS



## ROBERT BALDOCK Mechanical

Bob, the good looking sheik in the accompanying "shot", is the class immigrant. He is imported from the University of Minnesota. He is particularly noted for his collection of pipes. Bob is one of the more sedate members of the class having taken on the shackels of matrimony at an early age. This can readily be seen from his settled air and lack of worry about the traditional Saturday night date. After his release (from school you dopes), he intends to wreck the heating and ventilation game. What's da mat-Bob-has the wife been complaining about the temperature?

University of Minnesota; Class Treasurer (5); Student Council (4).



## MICHAEL BIFANO Aeronautical

Biff is the conscientious member of the senior group. He aided greatly in forming a track team at L.I.T. as well as intramural sports. He is the only graduating member of the cross country team. Biff is the youngest in the Class of '35 and, we believe, the youngest so far to receive his degree from this institution. He is a great teaser and terribly rough on neckties. Within the last year Biff has suddenly grown up-his latest goes under the handle of well, mebbe the name will change before he scrams from these portals.

University of Detroit; Aeronautics Society (3, 4, 5); Treasurer (5); Track (4, 5); Lawrence Tech News (4); J-Prom Committe (4); Lambda Iota Tau.

## JOHN BUSS

## Electrical



Buss is the tall gazabo that always gives the impression that he is expecting to bump his cranium on protruding architectural idiosyncrasies. He is commonly known as "the millionaire", this being due the fact that he has been transporting himself around in a canary yellow Chrysler Imperial Eighty for ages. He is also noted for his understanding (at least size fourteen), and his shyness toward the weaker species. All important phases considered (from knees to neck) he is a typical senioran alright guy even if he does appear a little snootie. He specializes in communication. In that field he really knows his spanish onions.

University of Detroit; Radio Club.


## ROQUE CARBONELL Industrial

Carby is one senior who is a long way from home. He hails from the Phillipine Islands. Leaving home five years ago, he came to Detroit to seek an unusual education. Now he is about to leave his classmates to return, with a degree in Industrial Engineering. He has been a member of the Tech News staff for three years. Carby leaves a standing invitation for his friends to visit him if they ever happen to hurdle the Pacific.

University of Detroit; Tech News (3, 4, 5); L Book Staff.

## RALPH C. CONLAN Aeronautical



Tubby Conlan, the Aero biggie, may be seen (by appointment only, pliz) practically any day holed up down there at his papa's bobber shoppe, where he plies his skill with the shears and comb with keen artistry and, of course, considerable finesse
Despite the lovely lures literally heaved at the gallant l'il cut-up, Ralph persists in remaining the one-woman man, plugging along cutting the femmes to the heart (figuratively, sir) just right and wrong.

However, after taking all these designing influences into consideration, Ralph is still one swelegant guy, an that's no idle presumption.

University of Detroit; Lawrence Tech News Staff (3, 4, 5); News Editor (5); Acronautics Society (3, 4, 5), President (4); J-Prom Committee (4); Vice-President of Class (4); Alpba Gamma Upsilon; Student Council (4, 5), President (5); Soaring
 Society (4, 5); L Book Staff (5).


## SYLVESTOR DRAGOR

 ElectricalHe is called Pussy by his closest friends. Why? Well your guess is as good as ours. He is brilliant as far as practical ideas are concerned, and is quick witted socially. The one great question that his technical training has not answered for him is, "How long is a short circuit?" Sylvester goes in for "tripping the light fantastic" in a big way. He is taking a special course in Tool Designing, and of all things, he has a position all lined up for after graduation.

University of Detroit.

## ROBERT B. EDGAR Electrical

Gentleman Benny Edgar, commonly known as King Blozo or Smoothie, hails all the way from that great big little town of Coshocton, O-ho, where people, if they're good, can get two peeps at the metropolis while passing through on a slow freight. Benny has a torrid passion for lemon cokes-a homely dislike for columnists-and on one of his regular benders found himself way over at the G. E. Training School in Schenectady from which place he came to L.I.T. All in all, ol'Smoothie is just one of those swell things that happen far too seldom.

[^1]


## JOHN S. ELLIS <br> Mechanical

Hail the mazuma king! The blonde Adonis of finance, none other than our own Jackie Boy! Jack has been class promotion manager so long that his buddies have contemplated setting him up in business-he'd sure be a sweet "blue sky" promoter. Jack goes for baseball in a big way, even to standing outside the park all night waiting for a world series game. He likes dancing and manages to keep all his "affairs" unpublished. Some nice young damsel will draw the right card someday and we'll content ourselves by saying, "He was a prince among men".

University of Detroit; Class Treasurer (4); J-Hop Committee (4); Vice-President Senior Class (5); Student Council (5); Business Manager L Book (5).

## ROBERT J. FORD Aeronautical



Hank appears to be a serious chap but don't let it fool you, he knows as many jokes as the next guy. He is at times jovial and studious. It is not generally known but "way back when" Hank was a star in athletics at Eastern High. Some have it that he is quite a night hawk. He is proud of the fact that he is 27 and an unmarried man. Watch your step, Hank, a birdie says it won't be long now.

University of Detroit (1, 2); President Epsilon Chapter, Alpha Gamma Upsilon (3); Vice-President Aeronautics Society (3); J-Prom Committee; Organization Editor, $L$ Book.


## FORD GRANT

Aeronautical

Better known to the class as Grandpa , Ford is of mormanic nature. If it isn't a blonde in Detroit it's a redhead in Ohio or a brunette in North Dakota or Lansing. He has the unfailing technique of jumping from the kettle into the fire-and gets away with it. Grandpa is noted in aeronautical circles for his unique designs of aircraft. He firmly believes that it is always possible to accomplish the impossible. Let it never be said that he gave up without a struggle-remember that gals.

University of Detroit (1, 2); Aeronautics Society, Treasurer (3); Secretary (4), VicePresident (5); Soaring Society (4); L.I.T. News (5); Rifle Team (3); Cross Country and Track (4); Fencing Team (4).

## VINCENT KESHESHIAN Electrical



Cash, alias Sophisticate, has, at this early stage in life, had his lifes' ambition realized. He is at the height of his glory at the varsity football games. No, friends, it was not to make an eighty-yard run nor an eighty-yard punt. Cash's yearning turned to other fields. He likes to hear himself talk, and so out there on the fifty yard line, cuddled up to the "mike", Cash broadcasts to the home crowd over his P.A. system. He achieves the ultimatetalks and makes you like it. That's not all-Cash knows what makes the wheels go round, too, but that's another story.

University of Detroit; Radio Club (4); Football Announcer (4, 5).


## LOREN EDISON KING Electrical

King, erstwhile known as Squirrel Cage for his electrical prowess, is somewhat of an enigma. He is neither the best liar nor the prize joker in the senior class. He assumes a mysterious air of secrecy when questioned concerning his social activities. Somewhere we have heard that Loren's pet hope is to design an Ohm Strainer. The scientific advantage thereby incurred is somewhat vague, but gosh, a fellow has to have something to do with his spare time and surplus energy.

University of Detroit; Radio Club (4); Glee Club (4).

# ALLEN D. KRUGLER Aeronautical 



Duane, better known as Dee or Krug to his friends, for all of his seriousness is sometimes known to smile. It is common gossip that a charming damsel, mistaking our melancholy troubadour for her fairy prince, actually kissed him in public. For once Dee didn't have a smart crack. He is a member of the Techtonians and if you haven't watched him maul that tooter of his, you can't realize what an overhauling he can give it. Not withstanding his social longcomings, Duane is a first class aero-nut.

Orchestra (3, 4, 5).


## EDWARD LASKE Mechanical

Ed upholds the name of Rubinoff with little effort. And how the girls go for him! Imagine-Blonde, tall, quiet, (hold your hat Ed) handsome and possessing a wicked smile; an excellent violinist and a brilliant pianist, he can give you the classics or ragtime with equal ease. He likes the piano best-it gives him more opportunity to look the femmes over while playing with the Techtonians. His hobby is photography. He likes to keep a pictorial record of his conquests-a sweet lot they are too-as a stimulent to his ego.

Detroit Institute of Teclnology; Orchestra $(3,4,5)$.

## SYDNEY E. LEESE Electrical



Syd (never spelled with an " i ") has been Class President since the class assembled "way back when". We've had a lot of fun watching the great over-hauling-in short, during these three years Elmer has grown up-even grown a mustache. All joking aside, Syd is one of the most versatile members of the Class of ' 35 . He belongs to the local chapter of a national fraternity, and has starred at football, starred in class politics, and starred as a student by making the coveted honor fraternity, Lambda Iota Tau. "A regular fellow, his friendship has been most worth while."

University of Detroit (1, 2); Class President (3, 4, 5); Student Council (4, 5); Football (4); President L Club (5); Alpha Gamma Upsilon; Lambda Iota Tau; News Staff (4); J-Prom Committee (4).

L


## WILLIAM MacDONALD Mechanical

Mac, as he is called by his palsBilly is his monicle in those vague moments between dusk and dawn. The son of a scotch marine engineer he received an excellent start in his struggle toward the heights. He was a lone wolf until his senior year, when, like so many good men and true, he started to slip. Now he is on the verge of the final bounce. Mac is a miracle manyes, a genius - he holds down a night job and still keeps the girl friend interested. It seems late to say, "We knew you had it in you Mac. But what we didn't know was the detonation that was needed".

University of Detroit.

## PHILLIP A. MULLER Aeronautical



Phil, better known as Romeo or Don Juan, is endowed with an irresistable personality particularly attractive to the fair sex. It is rumored in the inner circle that he is an experienced tutor who has classed in "L'ecole de la technique de l'amour." It is an actual fact that dozens of broken hearts are obscured in the dim shadow of his past. Not withstanding these extra curricular activities, Phil finds time to actually do all his school work (with the aid of a blonde secretary-wow, who couldn't). Just the same he's a swell guya very lovable chap.
University of Detroit; Aeronautics Society (3, 4, 5), Secretary (5).

## L



## STANLEY NEWBERG Mechanical

Swede Newberg, the traveling collegian, has served time in the University of Michigan and the University of Detroit. His stay at L.I.T. is symbolic of good behavior-he is being paroled at last. The Swede has made extensive research - (yea, wery wery ex-tensive-hic, scuse) into the beer racket. He is noted for being of the strong silent type (while in classes anyhow). And his smile-the crowning effect on his handsome physiognomy-just lays the fair sex in the aisles. Whatamanwhata man.

University of Michigan; University of Detroit.

## JOHN OSIS

## Electrical



Osis is our "knighthood in flower", our twentieth century D'Artignon. He is an excellent swordsman and a wellmannered gentleman. He is a member of the fencing team and the pride and joy of the good Doctor. Rumor has it that at heart he would like to live by the sword, but times force him to follow his electrical bent. Osis, like so few in the class, talks little, and does much toward adding respectability where it is sorely needed.

Detroit Institute of Technology; Fencing Team (3, 4, 5); Rifle Team (3); Radio Club (4); Tech News Staff (4, 5); Sports Editor, L. Book.


## IVAN PARISH <br> Industrial

Pop is our old standby when it comes to answering questions about steam generation or forging. He is a steady reliable fellow. - Because of this fact, and also because he is endowed with an irresistable personality, the fates decreed that a fair damsel step into Pop's life. The same young lady recently became Mrs. Pop. Ivan is famous for his record of never having missed a school dance.

University of Detroit; Pbi Kappa Upsilon (5); J-Prom Committee (4).

## ALFRED QUIGLEY Mechanical



Quig is the most promising athlete in the Class of '35. Twice he has been chosen All-Conference End for his stellar playing. Slightly built, not the talkative type, he impresses all as being anything but a rough and tumble, give and take, footballer. In the classroom Quig invariably displays a countenance of gentile boredom. Those who know him realize that he uses it as armor to shield himself from the prof's quizzing sallies. Nevertheless "Father Quig" has shown himself to be as good as the next guy when he applies himself to a task.

Football (3, 4, 5); Honorary Captain (5).


## MATTHIAS F. REESE Jr. Industrial

Matt Reese, or Ratt Meese as he is popularly known, is really one of the boys. Regardless of what occasion or event one can always depend upon one thing as fact-Matt will be there. His activities range from leading the J-Hop to acting as Master of Ceremonies at evening hour smut sessions. Matt wanders around doing everything and everybody. The " $F$ " in his name has never been hooked up with any human cognomen, but it has been rumored that it is a 'farce'. For all of that, however, he is really a good egg-you should know him.

University of Detroit; Football (4); Manager (5); Chairman J-Prom (4); Year Book Staff (5); News Staff $(4,5)$.

## WILLIAM S. SHADE Electrical

Shadow, at one time referred to as Hill William Shade is one of the industrious men of the senior class. He is well known as, "the guy you can always copy your Math from", for he invariably walks into class with all the problems finished. Shade has always been recognized as one of the live wires of the class. One of the school fraternities ranks him as one of its most popular members. It is whispered among those who know, or think they know, that Bill is a gigolo at heart and that he has an ardent passion for redheads. Even with this eccentricity you can classify the Shadow as being a regular guy.

University of Detroit (1, 2); Sports Editor, L.I.T. News (4, 5); Class Treasurer (3); Class Secretary (4, 5); Alpha Gamma Upsilon; Lambda Iota Tau; J-Prom Committee (4); Year Book Editor (5).



## LEONARD L. SINGER <br> Aeronautical

Leonard is afflicted somewhat by a malady unknown to the majority of the senior class-quiescence. But perhaps he has not had enough time to adjust himself to new surroundings, he recently joined the class upon transferring from another school. He is not an unknown, however, far from it. In fact, many of the seniors went to school with Leonard before L.I.T. was founded. He aims to follow Plant Management.

University of Detroit (1, 2, 3, 4); Aeronautics Society (5); Member S. A. E.

## WALTER THERIAULT Electrical



And in this corner we have another electrical genius. He, like so few in the class, is noted for always having his assignments finished and in on time. It is generally understood that the cleverest and handsomest gents lose their freedom early-which belies the cleverness-and Terry is no exception. He has been pulling in double harness for quite some while. He has no such failings as talking too much, or being the prize joker. The real Theriault is quiet, studious, a good mixer, and a swell fellow.

University of Detroit.


## RAYMOND L. URBAN Mechanical

Give Ray a basketball, a golf club, a football, a baseball, or "Clara" and he will make himself right at home. At first glance he appears to be the happy-go-lucky and easy-come easy-go type, but that is only exterior. Ray really is a serious student and one of the most popular seniors. He wants to get into the air-conditioning field after graduation. Strange too - he never did much dealing in hot air before.

University of Detroit; Football (3); Basketball (3, 4); Golf (3); Member L Club.


Classes of men each with their virtues and their vices, their loyalties and their hates, their standards and their ideals, distinguished by power, wealth, choice of profession, etc. make up the world.

In the same manner, classes, composed of individuals, each with their own differences, divided not by personal possession or choice of profession but by various degrees of acquired knowledge make a school into a complete and ever moving forward whole.

As the student progresses he comes to realize, that as the links of a chain are interdependent one upon the other, so is each class; and that the integration of these classes make for unification. The whole, being only as great as the sum of its parts.


First Row-left to right-Dante Peroni, Frank Cassel, Thomas Fitzgerald, Ggorge Frater, Louis Forman, Jack Tarnow, Anthony Saulino. Second Row-Frank Stella, Harvey Humphries, Alfred Mansfield, Leo Katz, Russel Porter, Emile Daehl, Eugene Pieronbk, Henry Blum, Wayne Buell. Third Row-Roger Crassweller, George Butzier, Herbbrt Speck, Roland Landa, William Besenick, Stanley April, Abram Nissley.

## Day Juniors

## CLASS OFFICERS

| Stanley April $\quad-\quad-\quad-\quad-\quad$ |
| :--- |



First Row-left to right-John Matyas, James Stephen, John Semple, Russell Popp, Raymond Krokos, Leo Zaikowski, Walter Buell, Stephen Implom, Kenneth Court. Second Rou-Carl Eisen, Winthrop Roser, Abe Kutlov, Albert Balk, William Besenick, Alvin Weisse, William Finlayson, Nathan Mills, Gus Landa, Curtis Bates. Third Rou-Edward Zwolak, Floyd Sussman, Anthony Shimkus, Stanley Stelmos, Peter McAlpine, Nevill Geake, William Cogsdill, Marvin Schaar, Charles Csizmansky, Ronald Groves, Stanley Sosnowski.

## Night Juniors

## CLASS OFFICERS




First Row-left to right-Natale Bifano, Roy Meyer, Frank Vlasic, Alton Stroup, William Hund, Edward Beitner, Kenneth Johnson, Philip Sparling. Second Row-Raymond Neilson, Wesley Wojtowicz, John Winter, Lidio Bertoia, Perry Slumpff, Roger Marce, Arthur Valbusch, Horack Mosher.

## Sec. A Pre-Juniors

## CLASS OFFICERS

## Day Section



## Night Section

Ben Bregi - - - - - - - - - - President

Elwood Zavitz - - - - - - - - Vice-President
Stanley Smith
Secretary and Treasurer

Night Pre-Juniors


First Row-left to right-Charles Berg, Edward Linder, Sidney Goorman, Elwood Zavitz, Ben Bregi, Stanley Smith, Falconio Carrier, Jack Laister. Second Row-John Kapszyk, Leo Valmassy, John Hart, Herb Lebdy, Raymond Shillum, Leonard Youngblood, J. Calvin Callaghan. Thitd RowMerrill Skililing, Frank Wisniewski, James McAlpine, Harry Wilis, William Dowlding, Nick Hatalsky, Conrad Hohmann, Francis Kinney, Harold Ginzler.

Sec. B Pre-Juniors


First Row-left to right-Alva Hartz, Perry Slumppf, George Thompson, Bruce Hopkins, Frank Vlasic. Second Row-Kenneth Johnson, Fred Folsom, Earl Lawitzke, James McAlpine, Harry Wills, Robert Jefferson


First Row-left to right-Robert Martin, Edward Terry, Donald Crampton, William Slattery, James DeClaire, George Manoleas, Kenneth Krum. Second Row-Francis Reha, Fred Folsom, Ellis Haskele, Bert Nett, Alex Jablonski, Henry Shabluk, George Geddes, Jack Loprete. Third Row-Warren Kellogg, Norman Lewandowski, Thomas Longley, Emerson Wallace, Layton Bedford, Wilson Lorne.

Sec. A Sophomores

## CLASS OFFICERS

## Day Section



## L

## Night Sophomores



First Row-left to right-Owen Williams, James Bonnington, John Blair, Edward Mouranie, Arthur Woehrlen, Frank Crossland, Donald Urquhart, Sidney Goorman, Sam Dicello. Second RowClarence Mattson, Kenneth MacKay, Christen Michelsen, Thomas Gleason, Hans Radtke, Bernard Reckman, Michael Pinto, W. G. Kinmont, Walter Vahlbusch, Donald Wedlick, Harold Christensen, Charles Kocher. Third Row-Samubl Williams, Carl Beuthin, Franklin Bates, Herbert Lozen, Leonard Bieschke, Wendell Whebler, Clarence Fichtner, Robert Clave, Clarence Maclean.

Sec. B Sophomores


First Row-left to right-David Davis, Michael Fernandez, William Osis, Robert Swerley, Elmer Januzzi, George Mankowski, Richard Parsons. Second Row-Martin Berman, Dale Bliss, Joseph Pawlik, Randall Chapman, Ellis Haskell, Rodney Campbell, Floyd Kantz. Third Row-Grorge Dalton, Paul Schultz, Layton Bedford, Joseph Cervenka, Harry Thomas, Leo Kurzweil.


First Rou-left to right-Harold Benson, Anton Joen, Stanley Sagan, William Shrldon, Glenn Mead, Larry Long, Milton Kraska, Edward Closser, George Ranger. Second Row-Eugene Cousineau, Ted Benachowski, John Stoiko, Xavier Okon, Albert Kochanski, Alvin Blodgett, Earl Callahan, Theodore Ford, John Diamond, Fred Schwartz. Thíd Row-Henry Mika, Leo Katzman, Domonic Alice, Max Moiseev, Jonsie Weitlaur, Francis Mulier, Nelson Miller, Robert Pearce, Martin Willhahn.

Sec. A Freshmen

## CLĀSS OFFICERS

## Day Section



Sec. B Freshmen


First Row-left to right-Homer Randall, Elmer Zook, Leo Katzman, Anton Joen, Louis Kastely, George Krust. Second Row-Domonic Alice, Robert Walke, John Helmore, William Bowman, Alvin Blodgett, Glenn Mrad. Third Row-Elmer LaPointe, Edward Ziarnko, Eugene Cousineau, Walter Binder.

Night Freshmen


First Row-left to right-Melvin Clarke, Jack White, Earl Daniels, Stanley Grossberg, James Frew, Fred Armour, Walter Meckl. Second Row-Thomas Glover, Francis Robinson, Milton McLaughlin, Leo Grace, Joe Warobec, Ervin Pakizer, Wray Ormes, Leon Sitrin. Third RowFrank Maloziec, Edgar Sitter, Vern Hanneman, Emil Kosky, Brown Ewing, Alton Cooley, Robert Repp.

Night Freshmen


First Row-left toright-Carl Safronoff, Jack Press, Alfred Sands, Gerald Porter, Arthur March, Joseph Cauchon, Francis Gardner, William McGreevy. Second Row-James Nelson, Frank Recor, Robert Blatr, Robert Mauck, Milton Evans, John Ewing, Freeman Sussex, Alfred Healy. Third Row-Frank Streberger, Frank Kirsten, William Dawson, Nick Nicula, Leo Geronetta, Fritz Eisen, London Morawski, Al Stocki, Harold Berry.

Sec. E Freshmen


First Row-lefttoright-Ray Wetherby, Andrew Mull, John Lorenz, Henry Domanski, Nick Wasche. Second Row-John Shade, Douglas Davey, Jack Densmore, Arthur Melford, Henry Leho, John Zibkowski.

## INDUSTRIAL EXECUTIVE COURSE

This division of Lawrence Institute, although separate from the regular college curriculum, has become an integral part of the school. Its students comprise one of the most active and enthusiastic groups of the institution, and their loyalty and conscientious interest in classroom and laboratory is unsurpassed. .

These industrial executive students are outstanding employees representative of Detroit's Industries. Their employers have signified a faith in them and a desire to advance them toward executive positions by recommendations for acceptance in the I. E. division, thus, establishing the growing conviction that education is a functional requisite for success.

The Industrial Executive classes convene every Tuesday and Thursday evening from 6:30 o'clock until 9:45 o'clock.

Courses of study are carefully selected to give the student a maximum practical knowledge without sacrificing the academic requirements necessary for high school training. Certificates are granted graduates and represent the completion of a course which is equivalent to that of high school graduation, thus, admitting the graduate to the regular collegiate courses.

The perseverance and loyalty of the Industrial Executive students may well serve as a moral lesson to the more youthful college student.


First Row-left to right-Cogswell, Savoy, Brendle, Etter, Jamman, Purdon, O'Farrel, Swart. Second Row-Wise, Rykowski, Goodell, Bellary, Laidlow, Ries, Coltone, Deeg, Gorman. Third Row-Herzman, Rockholt, Maclean, Grego, Orcutt, Beyer, Fehr, Burdock, Wallinas, Colby.

## INDUSTRIAL EXECUTIVES

## OFFICERS




First Row-left to right-Smeltz, Marion, Simpson, Owen, Avattaneo, Avattaneo, White, Klippstein. Second Row-Linderman, Walsh, Volz, Schock, Floto, Harding, Oliver, Collins, Versote. Third Row-Murt, Lyons, David, Bergeron, Triola, Simmons, Hamil, Lenard, Holcomb.

INDUSTRIAL EXECUTIVES


First Row-left to right-Genius, Kibby, Hathaway, Allison, Ruhleman, Kautz, Schultz, Krause. Second Row-Miller, Hess, Maple, Burke, Knierim, Kazmarek, Dick, Wise, Hayes, Adams. Third Row-DeVantier, Carroll, Duke, D' Onofrio, Bragg, Miller, Wesoloski, Davies, McGibon, Goodrow.

Activities


Seated-left to right-Elwood Zavitz, Frank Crossland, John Matyas, Ralph Conlan, Ben Bregi, Curtis Bates, Joseph Hoffman. Standing-Charles Sortman, Arthur Wobhrlen, Frank Recor, Abram Nissley, Hugh Laidlaw, William Hund, Sydney Leese, Jack Ellis, Rudolph Radnetier.

## STUDENT COUNCIL

Student government is in itself a tried and proven plan provided the students are lead by the faculty. Most schools have their student programs under this method of government. Dean Russell E. Lawrence believed that the method was ideal for high schools, but that college students should be able to conduct themselves without the leadership of the faculty. Thus he instructed the student body, in October 1933, that he would like the class president and vice presidents "to form a student council that will so completely represent the Student Body and major organizations that it may be safely relied upon to voice the desires of the student body"

The Student Council more than justified the Dean's wishes. They completed a constitution, held a school wide election for the president of the council, and were set-up for official business by the following December. The presiding officers are elected by popular ballot from the student body, the only requirement being six semesters completed toward a degree. The secretary and treasurer are elected by the members of the council from their own membership. The first officers of the council were Victor Basso, president; Robert Erskine, vice-president; Arthur Mead, secretary, and James Barnette, treasurer.

The most notable action taken by the Student Council during it's first year of existence was the formation of the Athletic Advisory Board and the Honor Fraternity, Lambda Iota Tau. During this year of planning, the attitude of the Student Body changed from that of the skeptical bystander to that of a willing and respectful subject.

The election for officers for the second year of the Council's existence was a well planned and well executed movement,. Better than four hundred students cast ballots. The results were that two popular seniors took over the reins. Ralph Conlan was placed in the executive chair with Johnny Matyas as second in command. Ben Bregi was selected treasurer and Frank Crossland, secretary.


First Row-left to right-Ben Schiller, Elwood Zavitz, Floyd Sussman, Layton Bedford, Leo Katz, Alfred Mansfield, Ford Grant, William Dowlding, Matt Reese. Second Row-Leo Hulyk, Edward Laske, Arthur Wobhrlen, Ralph Conlan, William Shade, Robert Morley, Michael Bifano, John Kaspazyk, Frank Stella, Frank Maloziec. Third Row-Sidney Goorman, John Osis, Roger Marce, Sydney Leese, Robert Martin.

## LAWRENCE TECH NEWS

"Progress" , a word which becomes decidely hackneyed in a new and successful organization in depiciting its steady advancement, must, nevertheless, be recognized as a synonym to the undeviating rise which has been the good fortune of The Lawrence Tech News.

This publication made its entrance into campus life on April 5, 1933, under the professional directorship of Charles H. Weeter, Jr., and the student guidance of Richard Couch, the first editor-in-chief. It was cloaked in an eight-page magazine which was issued every two weeks. This form of newspaper was meant to be developed into a more or less, technical script, but met with little enthusiasm from the student body, especially since each copy was sold for five cents.

In October of the same year, a new policy was inaugurated in the journalistic circles as the Tech News went into a four-page edition with larger dimensions, and more of the aspects of a "newsy" newspaper.

With Richard Couch at the editor's desk, assisted by Elwood Zavitz in charge of the news staff, and Victor Basso managing the business staff, the new paper met with an instant success which has been steadily maintained.

In 1934, working on a budget approved by the Student Council, Volumes II and III of The Tech News were produced with William Dowlding as Editor-in-chief and Elwood Zavitz, Managing Editor; with Basso and Roger Marce as Business Managers of each volume, respectively.

At the present time, the student press of the Lawrence Institute of Technology is headed by Co-Editors Elwood Zavits and Rudy Radnetter, who are assisted by a managing editor and Matt Reese, in the managerial role on the business staff.


William Shade<br>Editor-in-Chief

## L BOOK STAFF

The student receives this year the first annual to be published by the Lawrence Institute of Technology, and may the first "L" be worthy of the school of which it is a part.

The first and most obvious purpose of The "L" Book is that it be a chronicle of things which have been done at the school in the year just passed. The staff members consider themselves not as individuals but as part of a whole, the student body, recording what they feel the whole student body would wish to know and remember. Then, The "L". Book is to serve as a counsel and guide for future students who will wish to partake in extra-curricular activities, for in it they will be able to find what our school has for them in this field of education.



No one can realize more thoroughly than the staff of the annual the responsibility of placing the record of the school year between two covers. Written into the book are persons and incidents illustrative of the whole spirit of the Institute. Not a little of the work entailed in such a task, is the selection and organization of the form of presentation. Each annual is supposed to attain its own dignified and independent position, not alone because of its own individual period; but also through its plan and appearance. More than mere fact is to be conveyed. Hence, we have sought to weave into a unit the story of a year at the Lawrence Institute of Technology.

The editors and the staff are sincerely grateful for the effort put forth in our behalf by the faculty members and the students, and for the kindly suggestions and practical aid offered by those who, though not of the staff, contributed largely to the accomplishment of our object.

The choosing of the students to produce this annual was carried out very carefully, for the selection of data, the proportion of emphasis placed upon those chosen and the moulding of them into a unified whole required the careful appointment of the staff.

Gathering the material and compiling it in story form was the duty of William Shade, Editor in Chief, and Ben Schiller, managing editor; the associate editors, Ralph Conlan, who had complete charge of the senior comments and Robert Ford, who had charge of all organizations and activities; and Elwood Zavitz.

Jack Ellis assumed the responsibilities of the position of business manager and Matt Reese that of advertising manager.

John Osis headed the sports department, being aided in handling the mass of written matter in that division by Sydney Leese and Alfred Mansfield, assistant sports editors.

The task of distributing The "L" Book to the student body and the faculty was given to Robert Edgar, circulation manager.

The reporters and advertising assistants included Michael Bifano, Jack Laister, John Buss, Duane Krugler, Ernest Chattaway, Walter Theriault, Frank Stella, Roger Marce, and Roque Carbonell.


Seated-left to tight-Charles Morris, Professor Callaghan, Natale Bifano. Standing-George Franke, Arthur Woehrlen, Ben Bregi, Raymond Shillum, Joseph Pawlik, Frank Vlasic, Perry Slumpff, Wesley Wojrowicz.

## DEBATING

Resolved: "That the manufacture of arms and munitions in the United States should be made a monopoly of the federal government."

This year marked the advent of debating into the functional program of the Institute. Initiated by Professor Callaghan, who adopted it as his extra curricular hobby, it developed into one of the most virile winter activities. Indicative of the rapidly expanding general interests of the student engineer, debating at L.I.T. in its first year attracted twenty-six applicants, most of whom had had meager, previous experience, but who were desirous of increasing their powers of assertive self-expression. During the season ten men actively represented the Institute on the two Varsity teams in thirteen debates with seven different colleges.

The large squad was separated into two units, students from the Day Classes accepting the burden of affirmative proof of an arms and munitions monopoly, the Night Men investigating the negative aspects of the questions. Both affirmative and negative cases were notable for their technical approach to the argument. The Day Students, although averring a tendency toward world peace as an effect of monopoly, centered their attention on designing a practicable plan of federal operation. The negative countered with an accurate cost analysis of governmental ownership to show such a policy financially unsound, technically undersirable, pyschologically inefficient in its abolition of the basic profit incentive in industry.

Professor Callaghan, in keeping with the progressive spirit dominating all phases of Institute growth this year, is planning a more comprehensive forensic project for 1935-36. This will include a contest in oratory involving scientific topics, a contest in extemporaneous speaking upon current problems, and extension of practice in informal debating and parliamentary discussion to the entire student body through formation of a debating club.

This page in the "L" would not be complete without grateful reference to the spirited interest of President E. George Lawrence, who, as chairman of each home debate, came to be regarded by members of the team as "one of the boys".


## ORCHESTRA

The orchestral unit at Lawrence Tech popularly known as Johnny Matyas and the Lawrence Techtonians, was organized during the latter part of October, 1932 by its present Maestro. He was assisted by Edward Laske, piano; Russell Porter, trombone; Duane Krugler, saxophone; Art Campbell, drums; and Wm. Cogsdill, bass tuba.

In its infancy, the orchestra was composed of sixteen pieces, thus, closely resembling a symphonic group. The early duties of this unit consisted of providing music for each Friday Assembly and for occasional student functions, in addition to broadcasting weekly over radio station WEXL in behalf of the Institute.

As time progressed, the membership of the band was gradually decreased to ten pieces, and Maestro Matyas concentrated his interests toward the realization of his ultimate goal-a popular dance orchestra. Special features were often added to the entertainment presented by the orchestra in the persons of guest vocalists. All this occurred, of course, before Matyas, during his quest for songsters among his own players, uncovered the pleasant vocal chords of Howard Hawkins, the master drummer, who replaced Campbell shortly after the orchestra's debut. The band naturally, suffered a great loss when Hawkins was forced to terminate all activities in favor of poor health.

Huge strides have been made by Johnny and his lads in the past year. Due to their popularity at various fraternity functions and outlying resorts; the orchestra was "dressed up". They may now be regarded as sartorially correct-togged out in those natty mess jackets and individual monogrammed silver and blue shields.

Gay dance crowds in the major hotel ballrooms in Detroit, including the BookCadillac, Webster Hall, Leland, Whittier, and Statler, have been entertained by the music of the Techtonians. Even the utilities have come in for their share of the entertainment, the occasion being several engagements at the Edison Boat Club.

Johnny Matyas and the Techtonians was the first collegiate band to become incorporated. They carry their own amplifying system on all engagements and have added a vocal unit to the band.

In addition to original members of the band mentioned, the unit is completed by Art Kantzer and Steve Wagner, saxophone; and George Polleyfet and Roy VanAssche, trumpet.

## FOUNDERS DAY

The State of Michigan granted Russell Ellsworth Lawrence permission to found a technical institution for higher learning on the eighteenth day of May, 1932. That individual fostered plans that even now are, with the Lawrence Institute of Technology of practical reality, too far off to seem possible.

The plan of the late president was a non-profit organization based on the cooperative system. Where any youth, no matter what his financial status, could come to school and at the same time be employed by an allied industry in order to pay his living expenses and tuition. Dean Lawrence expected a long hard struggle before his plan could succeed. He relied on the fact that every student was a potential salesman and all alumnae possible employers of the cooperative system.

In commemoration of "The Dean," as he was known to all his friends and students, the Student Council inaugurated a policy of annually observing Founders Day. The date to be selected as close to May 18th as convenient.

On May 23rd of this year the Council decreed that the regular program would be coupled with an "open house." Each department was invited to plan something of interest. To aid making the observation of Founders Day, as well as open house, a permanent annual function, President E. George Lawrence presented a trophy to be given the department having the best display.

The judges selected the first recipient of the award - the Architectural Department, with the Aeros running second and the Electricals third. Mr. Pellerin's students well deserved the trophy with an excellent exhibit of architectural water color plans.

An excellent crowd of parents and friends thronged the halls and rooms, eagerly listened to speakers as well as the Techtonians, were thrilled with the fencers exhibitions of their art, and in general made themselves right at home.

It is a cherished thought of the seniors-"We can see the progress made each year. We can pay homage to a friend and teacher, on Founders Day."

## Athletics



Ralph Conlan, Ben Bregi, President Lawrence, John Hackett, Sydney Leese, Professor Bates.

## ATHLETIC ADVISORY BOARD

The Athletic Advisory Board, which, as the name indicates, was inaugurated for the purpose of controlling or directing all athletic activities. This became necessary to solve the many problems resulting from the rapid expansion of the Athletic program, now consisting of football, basketball, calesthenics, fencing, track, volley ball, and baseball.

President Lawrence is chairman of this board. The remaining seven members which are comprised of as near as a cross section of the school as possible, are the president, treasurer, and faculty advisor of the Student Council; president of the "L" Club; representative of the Alumni; and the athletic director.

The most important act of the board since its inception was the establishing of eligibility requirements. These requisites raise the eligibility rating at Lawrence Tech much higher than required in the Michigan Ontario Collegiate Conference, insure a periodical check on all competing athletes and specify the minimum scholastic requirements necessary to be eligible for inter-collegiate competition.

The Athletic Advisory Board has repeatedly shown by deed and word that it will keep the eligibility standards at Lawrence above those of the majority of the colleges belonging to the M.O.C.C. This places the Engineers in the front rank, where they intend to stay.

## Members

Chairman-President E. George Lawrence Ralph Conlan-President in Student Council Ben Bregi-Treasurer in Student Council Prof. Curtis Bates-Faculty Advisor of Student Council Sydney Leese-President of the " $L$ " Club
Abe Mendolsen-Alumni Representative
John Hackett-Coach

## COACH HACKETT

John Hackett, the Athletic Director at Lawrence Tech., is a man well chosen for the job. His record as an athlete is one that speaks for itself. He has distinguished himself in football, track, cross country and swimming, not to mention numerous other sports in which he has participated.

His football career began at Northwestern High School when he played on the varsity team and was chosen to fill one of the end positions on the All-State eleven. A year later he went to University of Detroit where he joined the freshman squad. In his sophomore year he won the distinction of being the only member of his class to play on the varsity team. That year, he was given honorable mention for end position, and for the two succeeding years, was named for the same position on the All-American team. In 1931, Hackett was chosen captain of the U. of D. team, being the first end to fill that capacity in many years.

Football, however, was not the only sport in which Hackett has starred. In his high school days he scored among the leaders in track and other field events. He also won the championship in the city and state fancy diving events. Boxing is another one of his favorite sports. Taking the various above happenings into consideration, it will be seen that the gentleman in question, is very versatile in the line of sports.

And now, to look at the man as a coach. It can readily be seen that he has a good initial background. "What of it?" says the cynic, "that does not prove that he will make a good coach." No, it doesn't, but our late Dean, Russel E. Lawrence, with his unfailing good judgment of men, saw other qualities in John Hackett, and in picking him for the job, made a wise choice. The coaching record of Hackett will bear that out. Any man that takes a coaching job with a new school, has a tough job. Likewise, any man who can turn out a championship football team in somewhat less than three years, has earned for himself the title of coach. In track and cross country, he has not been quite so successful, but what of it? Isn't one championship enough for a starter? And after all, there was the question of a handicap due to the lack of equipment and the eternal squabbling among the students as to whether we should enter into intercollegiate competition. However, this matter has been settled for the coming year, at least, and John can look to the future with renewed confidence. The students at Lawrence Tech are indeed fortunate in having a man like John Hackett to further their interests along the line of athletics.


## ORGANIZATION OF TEAM

|  |
| :---: |
| Student Manager - - - - - - - - - - $\quad$ Matt Reese Honorary Captain - |

## Letter Men

Al Quigley - - . . - - End
Bob Sals
Al Kochanski
Pete Miscisin
Ed Bar
Gus Mclntyre
Nick Willerer - - - Tackle
Jack Taylor - - - Tackle
John Simonenko - - - - Guard
Bob Wolfe - - - - Guard
Harry Wills - - - Guard
Larry Cherfoli - - - - Guard

Bill Slattery
Center
Roger Crassweller - - - Center
Joe Willerer
Ken Johnson

- Center
-     -         -             - Quarter

Frank Wisniewski - - - Quarter
Howard Zieman . . Halfback
George diamos - - - Halfback
Rudy Stimac - - - Halfback
Sam Dicello - - Halfback
Homer Kyros - - - - Fullback
Jim Hagan - - - - Fullback

## Non-Letter Men

Bill McGreevy - - - - - - . - . Halfback
Dale Bliss
Nelson Miller
Nick Hatalsky
Henry Hoppe

Halfback

- Guard
- End

Halfback


## FOOTBALL REVIEW

## L. I. T. Football Scores for 1934



Coach Hackett, after putting his men through a few weeks of strenuous practice, sent a team of six veterans, and five recruits, against Port Huron Junior College, to open Lawrence Tech's 1934 grid season. This turned out to be a lopsided affair, in which Tech outplayed the "Jay Cee" boys from every angle and emerged victorious to the tune of 46 to 7. Port Huron's score was the result of poor aerial defense on the part of the Blue and White. This defect was quickly ironed out in subsequent practice sessions.

A week later, the Techmen met and defeated St. Marys of Orchard Lake. This game also turned out to be more or less a field day for the Lawrence Tech gridders, putting them on the heavy end of a $35-0$ score.

The following week, Tech received its first and only defeat of the season. This defeat occurred at the hands of Manchester College of Indiana. The game was marked by a number of injuries for the Lawrence team. The team suffered greatly from the loss of both regular ends, and two veteran tackles. Quigley, all-conference end for two years was one of those who was injured. The game ended, Tech losing by a score of $16-0$. This game due to the excessive number of injuries resulting, was the cause of a great deal of shifting about of the lineup, and a number of conversions were necessitated.

The following week, greatly handicapped by the loss of four regulars, the crippled Lawrence Tech team, pulled themselves together enough to defeat Ferris Institute by a score of $7-0$. The game was played on a very soggy field, in a driving rain.

The next Saturday the engineers took a trip to Sandwich, Ontario, to meet Assumption College. Old man weather was again featured in the game, and the Tech Gridders defeated Assumption by a score of 13-6. The engineers held the upper hand throughout the contest, and the score was in no way indicative of the respective merits of the two teams. This was the second win among Tech games with the conference teams, and it most definitely placed Lawrence Tech and Adrian as the two teams to contend for the M.O.C.C. championship.

Tech's next game was with the strong Yellowjacket team from Defiance, Ohio, and it turned out to be a scoreless tie. It must be said here, that the two teams were very evenly matched. If any preference had been voiced, it would have given the Blue and White a slight edge in consideration of her superior punting.

Finally came the big day, the one that Tech had been planning for, the championship game with Adrian. It must be remembered here, that the previous year, the same two teams had met under very much the same circumstances, two championship contenders, and Lawrence Tech was defeated by a score of $13-6$. This year the Techmen went to Adrian with but one thought in mind, that this year would tell a different story, and it was. Not as different as the engineers had hoped for, because the final score was a tie, 6-6. So they are now sharing the M.O.C.C. trophy with Adrian. Perhaps next year will mean another step up the ladder, and this time sole possession of the winged mass of bronze that spells supremacy.

The Blue and White Gridders finished their 1934 football season with a final percentage of .800 winning four, tying two and losing one game, which is a very good showing considering the several bad breaks the team had due to injuries. Congratulations coach, your boys have made a fine showing, and have proven themselves to be real men. Better luck next year.

By the way, we must not forget the names of the boys who have made possible the great showing. At the "L" club banquet the following men received varsity football awards: Mosher, Willerer, J., Wolfe, Diamos, Stimac, Kyros, McIntyre, Kochanski, Willerer, H., Slattery, Wisniewski, Johnson, Cherfoli, Taylor, Zieman, Miscisin, Hagan, Crossweller, Bar, Sals, Wills, Dicello, Quigley, and Simonenkv.

Matt Reese also received a varsity letter as the senior manager of the squad.

## ALL-CONFERENCE FOOTBALL TEAM

## Official Line-up for M.O.C.C. All Conference Team for 1934

| Sals | F | wrence |
| :---: | :---: | :---: |
| Bar | L. T | Lawrence |
| Simonenko | L. G. | Lawrence |
| Slattery | C | Lawrence |
| Hewes | R. G. | . Adrian |
| Oakley | R. T. | Assumption |
| Quigley | R. E. | Lawrence |
| Johnson. | Q. B. | Lawrence |
| Givler | L. H. | ..Adrian |
| Galup. | R. H. | Assumption |
| Woerner | F. B. | - |

A glance at the official lineup will quite readily show one of the reasons why L. I. T. won the football championship last season. Any team with six all conference men in its lineup would naturally look like a sure winner. Perhaps it would be of interest to know why these men were chosen for their respective positions. Well, here are the official reasons:

Sals is tall and fast, he has made more safeties in the past two years than any other man in the conference. When not making safeties, Sals will intercept passes at the most opportune times to put his team in scoring position.

Bar, standing six foot two and weighing 210 pounds, would delight the heart of any coach. His most valuable asset is to get fighting mad without losing his temper. He was the one who usually blocked the kicks that Sals converted into safeties.

Oakley, on the other side of the line, is the other type of tackle, short, heavy, and very aggressive. On his team, he was the most consistent man to open holes in the opposing line.

Simonenko and Hewes, are both good running guards and fine defensive players. When running interference, their man was usually out of the play, and they were hunting for another victim before the whistle blew.

In the keystone position, Slattery had little competition. His bad passes were few, and on defense he was a world of power. He was able to either play in the line or pull out in a six-two-two-one defense. It may be of interest to note that only two passes were completed against him all season.

In the backfield, Johnson won the quarterback position, largely through his cool thinking in tight spots. The best that can be said of any quarterback can be said of him. He was a leader.

Both Givler and Galup are hard running and good blocking backs. Givler is especially good on the defense, while Galup's passing caused many anxious moments for the opponents.

Woerner is a triple threat man, the only good one in the conference. He kicks, passes, and runs, and when he runs, it takes a good tackler to stop him. His passes are quick and accurate, and few of his kicks are blocked.

Quigley, in his last year in the conference, was also chosen as end the previous year. He is one of the most deadly tacklers the conference has seen in a number of years, and he has been seldom known to miss a pass.


Shown above are some "snaps" taken during the last football season. Included are pictures of the Adrian, Assumption, St. Marys, and Port Huron J. C. games. Two views of the Conference Championship football trophy are also shown. Howard Zieman, star halfback, is in the center.


## TRACK TEAM

In the spring of 1933, a few months after the opening of the Lawrence Institute of Technology, a group of men expressed the opinion that it would only be fitting that Lawrence Tech should be entered in the Michigan Ontario Conference track meet. Accordingly, they took up the matter with John Hackett who assisted them to the best of his ability, and put the various candidates through their paces for a three week period, which was all the time they had before the meet, in which to practice. The first team, made up of Mike Bifano, Roger Crassweller, Howard Zieman, Al Mansfield, Wayne Aikens, Harry Wills, and Max Zeder, went to Ypsilanti and took third place in a meet in which there were five schools contending.

After the lapse of one year, and a good deal of intensive practice, the bearers of the Blue and White once more went to Ypsilanti with the hopes that they would return this time with the title. Adrian, however, was successful in retaining their championship, and beat Lawrence Tech by a comfortable margin of 32 and $1 / 2$ points, with Battle Creek taking third place. The respective scores were: Adrian 69. , Lawrence Tech 39, Battle Creek, 28, Assumption 18 and St. Mary's $111 / 2$. In this meet, Homer Kyros took first place in the shotput event, breaking the conference record by heaving the iron pill a distance of 39 feet and $33 / 4$ inches. Bill Hund, the man with the winged slippers, came in first in the two mile run, and placed second in the one mile event. Roger Crassweller, by creating the greatest distance between a spear in the hand and one in the field, won the javelin throw. In addition to the foregoing headliners, Lawrence Tech also won second and third place in the shotput event.

The members of the track and cross country teams are to be congratulated on their efforts and their fine showing. For they really have made a fine showing considering what they had to work with. In track as well as in cross country, Lawrence Tech is greatly handicapped by the lack of equipment and training facilities, having none of the necessary field equipment and training facilities such as hurdles, jumping pits, and pole vaulting apparatus, all of which is necessary for practice purposes. In view of this lack of equipment, the members of the two teams showed that they had enough backbone to use what they had instead of wringing their hands and saying that something should be done about it. They used what equipment they had, and they used it well.

## CROSS-COUNTRY TEAM

The opening of the season found the cross country team with only two veterans, Captain Mansfield, and Mike Bifano. However the sport in question, attracted enough good material to build up a team which twice defeated the conference champions.

In their first triangular meet with Michigan State Normal and Adrian, the Tech Harriers took second place, being defeated by M.S.N. who were, by the way, the former National Champions. The final score was, M.S.N. 15, L.I.T. 64, and Adrian 69. The meet was held over the three and one-half mile National Intercollegiate Course at Ypsilanti. Hund, Diamond, Marce, Mansfield, and Implom, were the men scoring for L.I.T.

In their second meet of the season, the Engineers met Adrian at Adrian on the four and one-half mile course which is admittedly the toughest course in the West. Not only did L.I.T. win the meet by a score of 26 to 27, but Bill Hund, Lawrence Tech star, broke the conference record. He was closely followed by Diamond, Mansfield, Marce, and Bifano.

At their first Home Meet which was held at Palmer Park, Adrian defeated L.I.T. by a score of 26 to 29 . Hund again starred, taking first place for Lawrence Tech. Bifano, Diamond, Implom, and Ranger, also placed for Lawrence Tech.

The Conference Meet was held at Adrian over the same course on which the Tech Harriers defeated Adrian earlier in the season. The meet was closely contested all the way, the men running close together at all times. The Techmen however were handicapped by the lack of adequate equipment, and lost to Adrian by a score of 22 to 33 giving Adrian the Conference Championship. The ever reliable Bill Hund again took first place. The other Tech scorers were Mansfield, Diamond, Bifano and Marce.

At a dinner held at the Michigan State Normal Union, Hund was elected captain for the next season. Later, at the Annual Athletic Banquet, he was awarded a medal for taking first place in the Conference Meet. Mansfield, Bifano, Marce, Diamond, Implom, and Hund, were awarded letters. Bifano will be lost by graduation.

The cross country team has won the respect of other institutions by virtue of their ability and sportsmanship, and as a consequence, is greatly in demand for dual meets with other colleges.


Front-Michael Fernandez and William Osis. Back Row-Frank Vlasic, Robert Sweeley, William Besenick, John Osis, Doctor Grabffe, Alvin Blodgett, George Ranger, Bert Nett, Richard Parsjon.

## FENCING TEAM

The fencers, having closed another successful season, can look back with satisfaction on another year of progress. Three years ago when the original squad was formed, the school was new and practically unknown, the practice quarters, located in the basement of the building, were rather cramped, and they had no equipment. The group was, however interested in fencing, and they had a good instructor in Dr. Graeffe, and after all, those were the necessary essentials.

Today, the fencers have a good practice floor, they are quite well equipped, and they are quite well known among fencing circles in Michigan. Their tournaments have included a number of the colleges in the state, and a few out of state. In addition to the regular team competition, Lawrence Tech entered a three man team in the Detroit Exposition at Convention Hall, and the last season was terminated by the L.I.T. Spring Tournament in which medals were given to the four men who made the best showing.

Setting aside the past, prospects for the future look very promising. Although Ford Grant, and John Osis, the last two members of the original squad, have graduated, Dr. Graeffe will have some twenty odd men from which to pick his varsity material. A first and a second varsity team will be picked from the available material. Besenick, Blodgett, Boettner, Burke, Cousineau, Fernandez, Fichtner, Gikkas, Hartz, Katz, Kutlov, Maltby, Morris, Nett, Osis, Parsons, Ranger, Roser, Sweeley, and Vlasic, will be regarded as next year's varsity material. Of this number, Besenick, Fernandez, Kutlov, Maltby, Osis, Ranger, and Sweeley, have fenced in varsity meets with M.S.C., U. of D., Wayne, Toledo, and Western Reserve, while the others have represented Lawrence Tech in freshmen meets with Cooley High and Michigan State College.


Seated-left ta right-Larry Cherfoli, Michabl Bifano, Roger Crassweller, Sydney Leese, Coach Hackett, Howard Zieman, William Hund, Kenneth Johnson. Standing-Sam Dicello, Rudolph Stimac, George Butzier, Arthur Campbell, Roger Marce, Raymond Urban, Horace Mosher, Alpred Mansfield, Stephen Implom.

## L-CLUB

The lettermen's organization of the Lawrence Institute of Technology, known as the "L" Club, was organized in the fall of 1933. The group is composed of varsity "L" winners in major sports. It is the purpose of the club to foster the spirit of sportsmanship and fair play as well as keep the members of Tech's various teams in close contact. The officers elected for '34-'35 were Sydney Leese, president; Roger Crassweller, vice-president; William Slattery, secretary, and Alfred Mansfield, treasurer. The "L" Club sponsors the annual athletic banquet in honor of the current football, basketball, and track letter winners. At the banquet this year the footballers were presented blue jackets with white "L's" and also, as a token of the M.O.C.C. Championship, the boys received gold keys. The cross country team also received jackets; and Bill Hund was awarded a gold medal for breaking the conference record in this sport.

The speakers of the banquet were Mr. Remington, the man who picks the mythical eleven of this state, and "Bud" Boeringer, head line coach of the U. of D., and one of Rockne's great.

As a conclusion to the banquet Homer Kyros was presented the most valuable player trophy and Al Quigley was elected honorary captain of the team for the past season.

## INTRAMURAL ATHLETICS

Inasmuch as there has been a good deal of controversy among the student body as to the advantages of intramural athletics over varsity activities, and vice versa, it would perhaps be well as this time to give some sort of a brief analysis on the various aspects of both.

Fundamentally, the activities in question have very much the same purpose, that is, to arouse the competitive interest of the student body. In this respect it would seem that intramural sports would be better for the student body in general, since they require the participation of a greater percentage of the students. Intramural sports may therefore be regarded as the most democratic of the two. On the other hand, varsity activities have the advantage insofar as they tend to unite the whole student body against a common rival and also tend to establish tradition. Then too, varsity athletics have the tendency to spur the students on greatly in the sport in which they are interested. It would seem, then, that both types of activities are necessary for the complete well being of the school and the student body in general.

Probably the first intramural activity to be established at Lawrence Tech was indoor baseball. As early as the spring of 1932, teams representing the different classes of the school, could be seen out on Ford Field playing their scheduled quota of games. The first freshmen to attend L.I.T. formed a team which won every game they played, to become the first pennant winners at Lawrence. Since that time, this same group of players has won every championship to date. Among the members of the team are: A. Saulino, A. Mansfield, L. Zaikowski, G. Landa, R.! Landa, R. Crassweller, and G. Butzier.

The first real, organized Intramural Athletic Event at Lawrence Tech was the Annual L.I.T. Track Carnival, held in January of 1934. This auspicious occasion held under the direction of Mike Bifano, and Al. Mansfield, proved to be one of great general interest, attracting a large number of student participants. A large number of the men who entered had been doing a good deal of practice work in preparation for the event. As a result, the rivalry was keen, and the meet was closely contested throughout.

The Chemists came through with the victory, piling uip a total of thirty-five points. The Mechanicals came a close second with a total of thirty-three points. Third place was taken by the Aeros with a final score of fourteen points. The Chemical Engineers were presented with an engraved cup. Probably one of the most interesting features of the meet was the 660 yard relay run, from which the Mechanicals emerged victorious, running the total distance in 1:29:00. The time was very fast, considering the characteristics of the track. The carnival, besides allowing the various groups to compete, led to the discovery of several good varsity track candidates. The 1934 Carnival has been postponed due to unforeseen difficulties.

In basketball, the same class that held high honors in baseball, came through with the championships in much the same manner. Last season, they defeated their closest rivals, the section 'A' freshmen in three games. The team was made up of Crassweller, Peroni, Speck, Butzier, Mansfield, and Dahel.

The winter of 1934 saw the appearance of a new dish on the intramural menu. Volleyball proved to be the most popular sport by far, which may be recognized by the fact that over two hundred games were played last season. As a result, an instructor upon finding a deficiency in class attendance, could go down to the auditorium and invariably find a number of the offending culprits. Not only did each class enter into the tournaments, but some of the classes had as many as three teams in the general tussel. Once more, the leaders in baseball and basketball came out on top. They were closely followed by the section ' $A$ ' freshmen.

Organizations


First Row-left to right-Robert Ford, Michabl Bifano, Phillip Muller, Professor Bates, Frank Stella, Ford Grant, Falconio de Carrier, Ralph Conlan. Second Row-Frank Cassel, Wililam Putnum, Leonard Singer, Richard Sharpe, Floyd Sussman, Roland Landa, Frank Vlasic, Jack
Laitter, Gus Landa.

## AERONAUTICS SOCIETY <br> Officers



The Aeronautics Society, which, without question, is the oldest organization in the Institute, was founded in September, 1922, under the leadership of John Hackett. Its purpose was to foster interest in Aeronautics. So completely has the society succeeded in its aim that it may now also claim the distinction of being the largest organization in the school, not wholly devoted to activities of a social nature. Its membership is not confined to Aeronautical students as the name might seem to indicate, but to all who are interested in the development of that great fieldAviation.

To bring about a closer contact with those actively engaged in this profession, the Society arranged from time to time, to have a number of prominent men address the members in open meetings. Among these were Edward Hill, noted Detroit balloonist, and William Perfield, who is an authority on commercial aviation.

The great possibilities of this organization have been proven to a certain extent in that it fostered the Soaring Society which has achieved national distinction.

A big social event of the year is the annual "Aero Hop". At this function, new members are presented with the Aeronautics pins and formally introduced to the guests.

Much credit for the progress made by the society should go to Curtis L. Bates, who has offered many valuable suggestions.

## LĀMBDA IOTA TĀU HONOR SOCIETY

## Members

Michael Bifano
Kenneth Court
Kenneth DeLonge
Robert Erskine
Sydney Leese
Ben Schiller
William Shade
Herbert Speck
Charles Wyte
Edward Zwolak


## ALPHA GAMMA UPSILON

> Social-Founded at Anthony Wayne Institute in 1922 . Epsilon Chapter Founded at Lawrence Institute of Technology in 1933.

## Officers

Kenneth Court, President<br>Ben Bregi, Vice-President<br>William Hund, Secretary<br>Raymond Neilson, Assistant Secretary Dante Peroni, Treasurer<br>Stanley Sosnowski, Sergeant-at-Arms

## Members

| Stanley April | Robert Ford |
| :--- | :--- |
| Lidio Bertoia | Neville Geake |
| Malcolm Blue | George Geddes |
| Ben Bregi | Ronald Groves |
| Wayne Buell | Wiliam Hund |
| Joseph Cervenka | Sydney Leese |
| Ralph Conlan | Leno Lolli |
| Kenneth Court | Roger Marce |
| Robert Edgar | Nathan Mills |
| Robert Erskine | Raymond Neilson |

## Honorary Members



Curtis L. Bates<br>J. Calvin Callaghan<br>J. Fred McRoberts<br>Morgan B. Smith<br>Kenneth A. Meade

## Social Events

October 13, 1934-Closed Dance-Sunny Beach Country Club.
October 30, 1934-Pledge Ceremony.
January 19, 1935-Annual Ball-Detroit Leland Hotel.
February 3, 1935-Formal Initiation-Granwood Hotel.
March 9, 1935-National Board Dance-Knights of Columbus Hall.
April 16, 1935-Annual Convention-Flint, Michigan.
June 1935-Inter-chapter Dinner Dance.
July 1935-Formal Initiation.


First Row-left to right-April, Bates, Blue, Bregi, Buell. Second Row-Callaghan, Cervenka, Conlan, Court, Edgar. Third Row-Ford, Geake, Geddes, Hund, Leese. Fourth Row-Lolli, Marce, McRoberts, Mills, Nelison. Fifth Row-Peroni, Roser, Shade, Smith, Sortman. Sixth Row-Sosnowski, Speck, Urquiart.

## PHI KAPPA UPSILON

## Social-Alpha Chapter founded at the Lawrence Institute

 of Technology, August, 1932.
## Officers

Rudolph Radnetter, President<br>Hugh Laidlaw, Vice-President<br>Freeman Sussex, Secretary<br>Clarence MacLean, Treasurer

## Members

| Howard C. Baity | Charles Gergle | Earl J. Orcutt |
| :--- | :--- | :--- |
| James L. Barnette | James F. Gillman | Ivan W. Parish |
| Harold M. Berry | Dr. E. Graeffe | Russell Popp |
| John Blair | John P. Hackett | R. Radnetier |
| Robert J. Braun | Joseph F. Hoffman | Frank J. Recor |
| James Carrol | Arthur Kantzer | John L. Redfern |
| Joseph R. Cauchon | Frank Kirstern | Max Sadowski |
| Harold Christensen | Hugh Laidlaw | Howard Scheer |
| Robert Clave | Herbert Lorenz | Raymond J. Shillum |
| Alton Cooley | Virgil Lyons | E. A. Sitter |
| Roger Crassweller | C. F. MacLean | Perry Slumpfy |
| Frank J. Crossland | Robert J. Mauck | James Stephen |
| John Czelusniak | John W. Matyas | Frebman Sussex |
| Earl E. Daniels | Arthur Milligan | Arthur R. Valbusch |
| Carl G. Eisen | Robert Morley | Leo Valmassy |
| James T. Fitzgerald | Edward Mouranie | Albert Wagener |
| Francis L. Gardner | Abram Nisley | Wendell. Whebler |
|  | Arthur E. Woehrlen |  |

## Social Events

October 19, 1934-Tour-Cincinnati Milling Company.
December 1935-Snowball Frolic-School.
March 2, 1935-Pre Lenten Dance-Webster Hall.
May 11, 1935-Spring Frolic-School Auditorium.
June 1935-Dinner Dance.


First Row-left to right-Batty, Blatr, Cauchon, Christensen, Clave. Second Row-Crassweller, Crossland, Czelusniak, Daniels, Eisen, Fitzgerald. Thitd Row-Gardner, Gilliam, Grabfpe, Hofpman, Kantzer, Laidlaw. Fourth Row-Maclenn, Mauck, Matyas, Milligan, Morley Mouranie. Fifth Row-Nissley, Parish, Plumb, Popp, Radnetter, Recor. Sixth Row-Sadowski, Scheer, Shillum, Stephen, Sussex, Valmassy. Seventh Row-Wagener, Whebler, Woehrlen.


Elmer Zook, William Putnum, Glenn Mead, Randall Chapman, President Lawrence, Jack Laister, Professor Bates, Charles Csizmansky.

## SOARING SOCIETY Officers



The Lawrence Tech Soaring Society was organized during the fall of 1933, resulting from a trip by the charter members to the Fourth National Soaring Contest at Elmira, N. Y. At the time, Jack Laister was the only one of the party with sufficient experience to enter the contest. He flew "The Dean", named after and christened by the late Dean Russell E. Lawrence.

Laister's performance at the national contest made the Society nationally known in soaring circles. He not only was awarded the rating of a class " C " glider pilot which at that time was the highest rating given, but also fourth place in the altitude and duration events conducted in the utility class. Upon their return from the national contest, the Lawrence Tech group was invited by the American Legion to fly in a glider meet at Pontiac. Laister easily took second honors before a crowd of approximately 15,000 people.

In September, 1933, work was begun on a highly efficient secondary glider. It was first flown in October 1934 in the Blue Ridge Mountains during the Society's Virginia Expedition.

The new craft performed very well under the most adverse weather conditions. However, the possibilities of this ship will not be determined until it is put in competition during the year of 1935 .

If present plans materialize, the Lawrence Institute of Technology will be represented in the 1935 National Meet with six class "C". pilots and three gliders. This should rank the school as the outstanding competing college in the Sixth National Soaring Contest.

Laister acts as flight instructor for the Society.



Glenn Mead, Professor Bates, Jack Laister, William Putnum, Randall Chapman, Elmbr Zook, Charles Csizmansky.

## SOARING SOCIETY IN UNIFORM

The Lawrence Tech News has described to no end the happenings around the aero shop. In every issue for the past two years there has been some mention of activities in that beehive of industry. Everyone seems to drop in to see what's new. And why shouldn't they? Since the shop has opened four gliders and an aeroplane have been under construction at one time or another. Thus in order to faithfully cover activities at Tech, the "L" staff reviews the history of the Aero Shop.

During May of 1933, the Aeronautics Society decided to back Jack Laister by sending him to the Elmira, N. Y. Fourth National Gliding Contest. This made it necessary for the Society to aid with labor in rebuilding Jack's utility ship. Finances were furnished by Dean Russell E. Lawrence and in retaliation the boys named the ship "The Dean". But during all the hussle and bussle Professor Curtis Bates of the Aeronautics Department decided that the school would need a shop for such activity and conveyed the plan to Dean Lawrence. The Dean approved heartily and had Professor Bates plan the shop.

October, 1933, saw the shop equipped with a combination table saw, and planer, and benches. From that time on the boys gathered materials and equipment until at the present time the shop is capable of handling gliders on a production basis.

The LT-1, a low wing trainer to carry a 95 horsepower motor was begun. It has been left partially finished due to finances and the popularity of glider construction. The Soaring Society has practically monopolized the shop since it's organization but as long as the boys continue to keep things humming no one will say a word.

The Aero Department has added a new course to the curriculum, Aircraft Construction, which covers all phases of shop practice. This course aids greatly in rounding out the aeronautics curriculum as it is done in few technical schools.

Features

## L



## THE CROWD

Do you still remember way back in that Jay-Cee mellee of October in " 34 ", when you and you, and you were there to cheer a grinning squad?

The first and second games of the year had been on par with the turnouts in the bleacher squads of Tech, but this time another record had been shattered. The attendance assumed such proportions that the word "crowd", was not adequate, so the photographic effort of certain budding "photographists" was necessary to preserve the memory of the biggest congregation to date.

Just in case you can not see yourself in the picture you may try shoving Ray Urban out of the foreground, or at least let go of his jaw, that wasn't a ruse, nor a toochache, just Ray resting. Wayne "Chef" Buell the next sad-faced individual in line had evidently made a bet on the wrong side. And we have all been trying to to find out whose little honey is, way in the background. But go ahead and find them for yourself.


Ninety-five


## chínníngs - easy

## j-prom turned off <br> for another year

We fondly bid adieu to our highsteppin' J-Hop for one more year and not without a small sigh of regret, even though the next breath is a huge sigh of relief that this war debt is paid off.-Dare you to say 'tisn't so, Mr. Wayne Buell!
The majority of our Tech lads in attendance at this last word in social binges were practically unrecognizable as they made the gur-$t$-rand Entrance all decked out in their (?) soup and fish, with ears made a prominent cerise by unaccustomed scrubbing and those cowlicks wearing a very subdued look from diligent and tearful brush-pounding. Did anybody ever attempt to take a bunch of passionate engineers in hand and give them that satin finish? Uh! Don't ever try it unless you care to turn out a bunch similar to those cornhuskers that showed their mugs at that Statler shuffle.

Votes enumerated from the vast influx of records have the "tops" boys as follows: The really boiled man-Jack White and Homer Randall (tied for the signal honor); Deadest Pan-Jack Ellis (upon the arrival of the liquor bill); Up-andcoming Chiseller-Leo Katz (made Fish, the tailor, look rather like a veritable member of that species when he maneuvered the wellknown fitter out of a tux through ad negotiations for the Tech News); Most popular man-French de Carrier (he was the man with the biggest liquor supply); Cutest figure in a tux-Willy Shade (the man who made all this possible).
Of course, if any lads wish to contest these choices, let them hop right to, it but ,undoubtedly to no avail.

## rudy, inc.

Phi Kappa, Kapper \& Kapper, really ought to be rechristened Rudy, Inc., what with all the influence this Radnetter fellow wields to make the Kappa boys hop through the well-known hoop. If anybody or clique in the campus desires added man-power in performing feats and they "rate" with the Rudolph, well-it's just another big labor boom for the Phi lads.
Such an acquisition of popularity and control by the other half of the "Co-eds" is quite simply explained by the mere mention of his nature and quiet demeanor.

The Radnetter is the man of the hour, any hour of the day or night, no matter what the instance or situation may be. He can "fix" anything, accomplish everything, and talk anybody right out of their last shirt, without taking an extra breath. We oughta know, ch, Rudy?

## unprecedented

## shake-up

These lads who have just finished sweatin' out this mag down there in the editorial offices broke out in a rash of inane ideas concerning fade-outs for grads in the year book. A striking example of this rash(ness) may be ogled by the oglers in the write-ups adjacent to each grad's picture. May you not misjudge too harshly.
In this process of tedious misconstruing, however, one thing simply must be understood. No matter how torrid, tepid, rank, or even good, the erstwhile remarks might be seen, Tubby Conlan is the instigator who must rise up and acknowledge all the lovely kickbacks. Under no circumstances, please, yur-r-r honner- $r-r$, are youse stooges eligible to stab the Tech News Chinner in the back. For once, this act will be unappropriate and quite unconventional.
To bear out this statement, we
wish it to be known that Tubby is being seriously considered as a perfect fit in the role of defendant in a swell suit of plagiarism.

## the brand new reformation

Easy realizes that it must pique the vanity of those stooges, Robbie Edgar and Ronnie the Groves, to be constantly singled out for a little ribbing. It must be so, since the boys are both becoming so angelic in their activities that the Chinner can only speak with praise about these bunk-mates. O, yeah?

Robert Benny has finally been caught by the little Miss and, as a restult, walks the straight and narrow like nobody ever treaded it ere this day. Coca-cola is Benny's best friend these days and his latest title is that of Gentleman Edgar, if youse pliz.

Although Ronnie hasn't been snagged as badly as Robbie, the job is practically cinched. "Bright Eyes" needs must take cod liver oil to pad out his angular frame-so say the orders from headquartersand let there be no imbibing of blissful concoctions; a limited number of coffin-nails is meted out to the poor lad, and-but this goes on fore 'er an' a couple o' days. Our sympathies, B. T.

## quaint, but wholesome, silhouettes

Zounds! Watsie, ol chappic, but there sure was some quaint figures cutting a swath across the annals of this yere Institute called Lawrence Tech,-and in quite a blaze of glory, too.

Now, you take that feller, Eddie Laske-you know-the boy with that transparent blonde loveliness .well, won't somebody take im?
The blonde adonis has spent five of the best years in his devilish life finding out what made the wheels go round in the engineering world "Tis all for nough, methinks, 'cause the dern guy's goi'g arty on us to take up furniture designing. Ed was formerly a virtuoso, or somep'n, on the violin and pi-an-er with Yohnny Matyas' mad tooters, but the boys played three strenuous jobs in succession and the virtuoso, as a result, was minus two and a half pounds of perfectly good male species. So, Eddie, is now a free lance, in addition to being one of them that scrupulously graduates
of '35. If you'vestill got takin' ways, you might consider Syd Leese. The only thing predominantly characteristic of Ess-wie-dee, besides his inexhaustable supply of energy and ambition is that which he has stressed continually ever since we've had the honor of knowing himthe correct spelling of the front handle of his name. You see, lesser lights, Lesse peculiarly dislikes his name spelled with an "eye". If this dire injustice is inflicted on the poor lad, there is much mumble-mumble about He braic orthography and the futility of it all, etc., etc.

Syd, however, in his position of extra-curricular power, could well afford to enjoy such a slight eccentricity. After all wasn't he president of those astute seniors as well as boss of the "L" Club? Tch, Tch-This in addition to being a member of that group which they tell us is commonly called the Student Council.

## DEAR OLD L. I. T.

Tho time divides us all
We shall never prove untrue,
No matter what the call
Our loyalty we pledge to you.
Rah! Rah! Rah!

## Chorus

Dear old L. I. T.
We love the blue and white you're flying, Thru the years to be
'Twill ever tell of love undying,
And in the class or on the field
We'll bring you honor, victory,
All hail to thee
Our Alma Mater L. I. T.
Rah! Rah! Rah!
-H. O'Reilly Clint

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