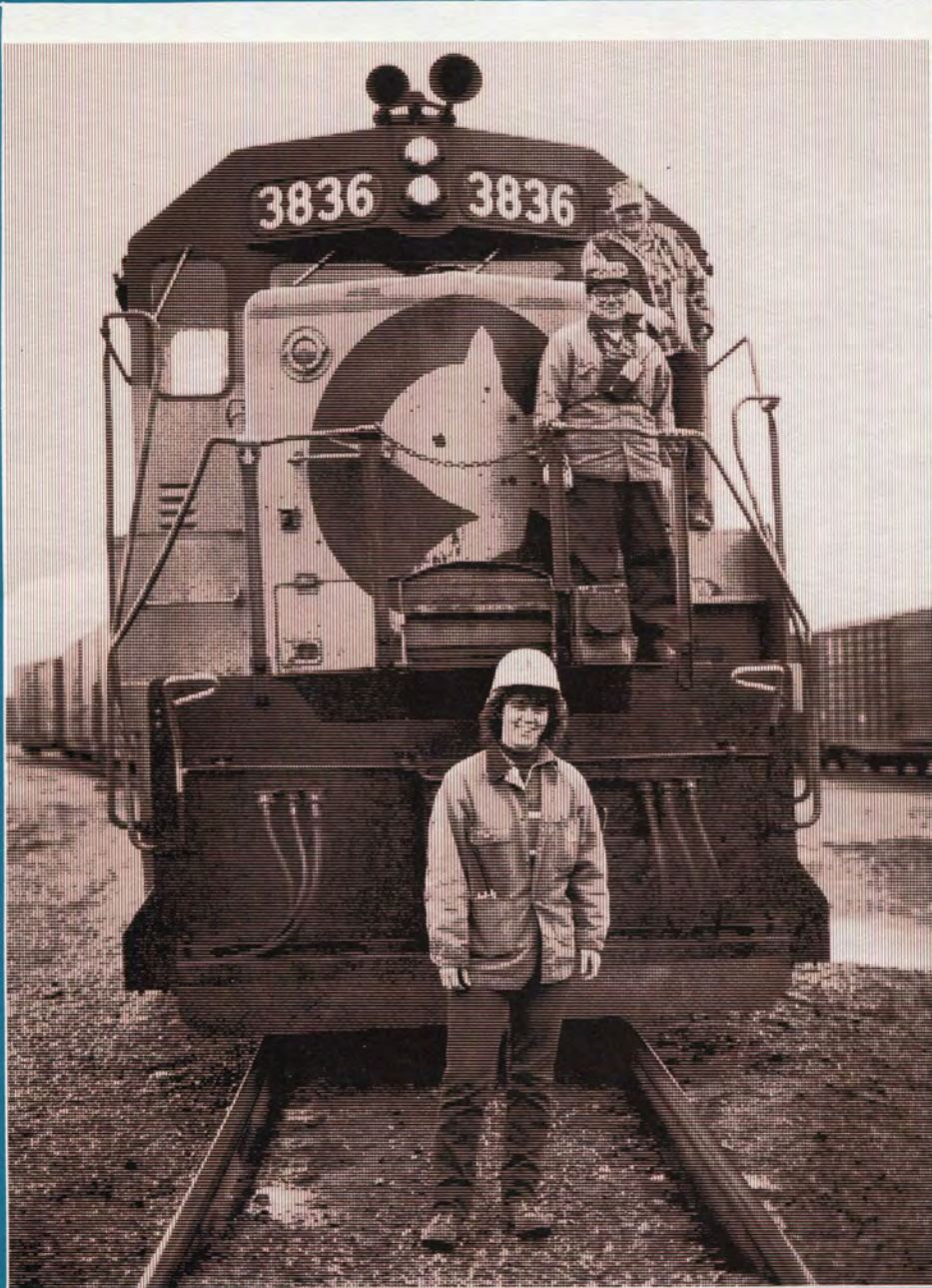


# Lawrence

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## INSTITUTE OF TECHNOLOGY

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### Magazine

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**An 'engineer's engineer' — alumna Diane Lauzon, CE'83**

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**Campus construction: Athletic Facility, Engineering addition**

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**'Seeking the best'— an interview with LIT's president**

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**Plus LIT's Bowling Team is state's best, alumni news, and more!**

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# Lawrence

## INSTITUTE OF TECHNOLOGY

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**About the cover:** Diane Lauzon, CE'83, is "working for the railroad, all the live long day." Her daily routine as assistant track supervisor for Chessie Systems Railroad begins at 6:30 a.m. Her story begins on page 1. Tatum photo.

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*The statement above is included in this publication to conform to Federal guidelines: it represents no change in the policy of LIT.*



**1** An 'engineer's engineer' — Alumna Diane Lauzon, a 1983 construction engineering graduate, is helping keep the Chessie Systems Railroad running safely on schedule and is one of railroad's pioneering women supervisors. Here's her story.



**4** Spring rite: campus construction — A new Athletic Facility and an addition to the Engineering Building will soon be sprouting up on campus, but funds are needed to complete the structures.

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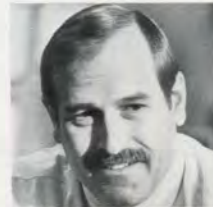


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**Back cover** The "Spirit of Lawrence Tech," an early student-built aircraft returns to campus nearly 40 years after its conception. Restoration is underway and volunteers are needed.



# An 'engineer's engineer'

**Diane Lauzon, CE'83, is helping keep the Chessie Systems Railroad running on track**

**T**rains are romantic. Countless sweethearts have bid farewell to their soldier boys on the platforms of bustling train stations while the conductor routinely announces the painful truth — it's time to "bo-o-o-ard!"

"Don't be a hero," she shouts while tears mixed with rain stream down her face. Hanging off the boarding platform, he waves goodbye forever and mouths the words, "I love you."

Heavy sigh.

Yep, trains are romantic alright but the setting is a little different for 1983 construction engineering graduate Diane Lauzon, the first woman assistant track supervisor at Chessie Systems Railroad.

For her, the scene is a 10 x 15 foot room with concrete floors, the ratty remains of a couch pushed against a bare wall, a "Miss July" pinup, and a bunch of guys with names like Hank "talking rail-



TATUM PHOTO



TATUM PHOTO

*As assistant track supervisor, Diane Lauzon, CE'83, helps oversee a crew of 70 people engaged in the maintenance and construction of roadway and track. Based in Saginaw, Michigan, her duties include riding and walking the rails to search for trouble spots, then taking the necessary steps to solve the problem.*



TATUM PHOTO

road" late on a dreary November afternoon. The uniform is a pair of blue jeans, a flannel shirt, down vest, and hard hat. The train "station" is a train "yard" and the riders are usually auto parts — not soldier boys.

"It's strange," Lauzon admits, "but trains get in your blood. A few weeks into the instruction program they brought this steam locomotive into the yard where we were practicing. We were like a bunch of little kids running around it and throwing the switch to make it stop so we could get a better look. We knew very little about trains then but by the end of the year we were all talking railroad," she laughs.

Lauzon interviewed at LIT and was accepted for Chessie's 1983-84 inter-departmental management training program. She graduated from the program with eight men and one other woman, none of whom were LIT grads. She affectionately refers to this group as her "fraternity."

**A**fter the year, the members of the group split up and were placed in their first assignments as officers of the railroad. Although Lauzon is the first female to hold the position she requested, she claims that Chessie treats her just like "one of the boys."

"The other woman in the program found out a few days before the official announcement that I was getting the position," she says, sitting up in her chair to recount the day. "We were at a luncheon in Baltimore and the vice president of Chessie was there and this woman says, 'Is it true that we have the first woman assistant track supervisor sitting at our table?' I turned beet red and he just kind of looked up from his plate and said, 'Yeah, I guess so.' Like no big deal, right?" she laughs.

Lauzon is one of "about a dozen" women out of thousands of employees who are actually responsible for operating trains. During the summer months she oversees a crew of approximately 70 men who have never had a lady boss before. She believes that they treat her with the same respect with which they treat male supervisors.

"This is new for them so they are on their best behavior. They tease me a lot. For example," she smiles, "they'll ask me if I chew tobacco once in awhile but they don't give me any problems."

According to Lauzon, the railroad has remained pretty constant in its practices and policies since it was founded 200 years ago. In recent years, however, it has become more progressive.

"Railroads haven't hired for years but a lot of upper level personnel will retire soon so they have reestablished their training programs," she says. "They aren't discriminating at all between men and women — blacks and whites. If you have the educational background and an

interest in the railroad, they'll try you out."

**L**auzon aids the track supervisor in overseeing personnel engaged in the maintenance and construction of roadway and track on a specified portion of the division to insure that the track and roadbed are safe for operating speeds. That involves riding trains, sometimes until 10 p.m. (her day begins at 6:45 a.m.) to get a feel for the track from the train's perspective. She also walks the track and rides a highrail, a truck built to ride on rails, looking for visible trouble spots. She says she spends a lot of time on the phone and doing paper work. "The railroad actually runs on paper," she confides.

Overseeing all those men might go to some women's heads, but not Lauzon's.

**"We'll always have railroads," Diane insists, "because of the volume a train can ship efficiently at one time."**

"Oh, sometimes I get this sense of power. It's nice to be able to handle situations with authority. But other times, I am totally confused," she admits.

However, she doesn't seem to be confused about her future or the future of the railroad.

"People ask me if I'm afraid railroads will become obsolete. We will always have railroads," she insists, "because of the volume that a train can efficiently ship at one time. Trucks and planes can't begin to compete as bulk freight carriers, which is what the Chessie System is.

"As for my aspirations," she pauses. "I'd like to see how high on the management ladder I can climb. The opportunity is certainly there."

In any event, it seems as if Diane Lauzon is indeed on the "right track." □ UQM



MARNELL PHOTO

## Ground broken for Athletic Facility

**G**round breaking for LIT's new Athletic Facility took place November 28 on campus.

College trustees had approved plans at their September 24 meeting for construction of an Athletic Facility immediately adjacent and connected to the south side of LIT's recently-acquired Campus Affairs and Activities Center-East (CAAC-E) located on the southwest corner of Civic Center Drive (10½ Mile Road) and Northwestern Highway. The 37,000 sq. ft. building will include a gymnasium which converts to three intramural basketball courts (or one varsity-size basketball court with bleacher seating,) six handball/racquetball courts, a multi-purpose weight/aerobic dance room, and men and women's locker facilities. The building will also be able to accommodate larger meetings or groups than existing campus facilities.

"Space for student recreational, meeting, and athletic facilities has long been a goal of the College," said LIT President Richard E. Marburger at the ground breaking ceremonies. "We have made great progress by establishing a Campus Affairs and Activities Center and finally we can add the third and final component, an Athletic Facility."

Other speakers included Oakland County Executive Daniel Murphy, Southfield City Councilman Peter Cristiano, Dennis Hayes, student government president, and Dr. Carl Hassel, superintendent of Southfield Public Schools.

The first two phases of the Campus Affairs and Activities Center project consisted of redeveloping space in the former LIT library (which became available when that department moved to the Wayne H. Buell Building in 1982,) and acquisition of an adjacent office building and 4.5 acres in 1984.

According to Dr. Marburger, the Athletic Facility will cost approximately \$2 million. These funds have been dedicated to an Athletic Facility by alumni, corporate, and foundation donors over a number of years. Approximately \$1 million more will be required to equip the new building. A fund drive is underway to raise the additional monies.

The Athletic Facility is designed solely for student recreational use and there are no current plans for the College to reenter intercollegiate athletics. During the 1940's and 1950's, LIT was a national basketball power.

Project architect Alvin Prevost, ArE'51, of Prevost Treacy and Partners, Inc. developed the Facility's interior



*A cold blustery November 28 didn't deter the ground breaking ceremonies for LIT's Athletic Facility, on which construction is scheduled to begin this spring. Wielding a shovel are (L to R) Lew Moon, director of student activities; Dr. Carl Hassel, superintendent of Southfield Public Schools; Peter Cristiano, Southfield City councilman; LIT President Richard Marburger; Daniel Murphy, Oakland County executive; Dennis Hayes, Student Government president; and Charles Koury, Alumni Association president.*

# Spring rite: campus construction



BIZON PHOTO

based on projected uses determined by a campus-wide poll of students taken last year by LIT's College Relations Office.

An ad hoc planning committee met over 18 months to review needs and assess results of the survey. Chaired by Ford Vice President (and LIT trustee) Lewis C. Veraldi, ME'68, the committee consisted of President Marburger, Al Prevost, then-Presidents Club President; Charles Koury, Ma'73, and Roger Avie, IM'68, Alumni Association presidents; Lew Moon, director of student activities; Jack Armstrong, director of campus facilities; Bruce Annett, director of college relations and alumni services; and trustees John Harlan, Ben Bregi, ME'37, Kurt Tech, ME'48, Al Entenman, and Ben Maibach.

Construction will begin in the spring with full use scheduled for autumn of 1986. □ BJA

## Engineering Building to be enlarged

Construction is expected to begin this spring for an 18,000 sq. ft. addition to Lawrence Institute of Technology's Engineering Building.

The addition, recently approved by College trustees, will help accommodate LIT's burgeoning engineering student enrollment and provide appropriate facilities for further development of a manufacturing engineering program.

According to LIT President Richard E. Marburger, enrollment in the School of Engineering, the largest of LIT's five schools, is 3,084 day and evening students. Recent surveys rank LIT as the nation's 29th largest undergraduate engineering college (out of 287). The School offers bachelor of science degree programs in mechanical, electrical, and construction engineering.

"The building addition will accommodate the high ceiling requirements of robotic machinery used to educate students in modern manufacturing processes," says Dr. Robert W. Ellis, dean of engineering. "In addition, the building will provide needed classroom space, complete with computer and video capabilities, and faculty work space."

Cost of the building is expected to be approximately \$1.2 million. About \$800,000 more will be required to outfit it. Fund raising is now underway and ground breaking will take place this spring. The addition is expected to be ready for occupancy in the autumn of 1986.

The architectural firm for the project is Kenneth Neumann-Robert Greager and Associates of Southfield.



BIZON PHOTO/REVIST TREACY & PARTNERS ARCHITECTS



KORAB PHOTO/NEUMANN-GREAGER & ASSOCIATES ARCHITECTS

The 69,000 sq. ft. Engineering Building was LIT's original building in Southfield, opening in 1955. Additions were made in 1969 and the Building was substantially remodeled in 1982 as a result of LIT's successful Sharing in Excellence Capital Campaign. Engineering lab space nearly doubled at that time when several service functions and the College Bookstore moved to the new Wayne H. Buell Building.

In addition to the School of Engineering, the Building currently houses LIT's 700 student School for Associate Studies, and LIT's President, Business Affairs, Development, and College Relations and Alumni Services Offices. The Engineering Building will continue to house these functions after construction of the new addition and also add the Campus Facilities Office, now located in temporary quarters.

Total student enrollment at LIT is 6,121 students. LIT is Michigan's largest independent college. □ BJA

**Top:** LIT's new 37,000 sq. ft. Athletic facility includes a gymnasium, handball/racquetball courts, multipurpose room, and men and women's locker facilities. The building will offer intramural recreational space and also provide large meeting space. **Below:** This 18,000 sq. ft. addition to the Engineering Building will accommodate a growing student population and provide lab, classroom, and faculty space for manufacturing engineering instruction.

# 'Seeking the best'

## LIT President Richard Marburger reflects on 20 years at the College

**P**resident Richard E. Marburger begins his 20th year with Lawrence Institute of Technology during 1985. In a recent interview with Bruce Annett, director of college relations, Dr. Marburger reflected on what attracted him here, his operational style, and LIT's future. Dr. Marburger has served as LIT president since 1977 and has held the additional titles of chief executive officer and chairman of the board of trustees since 1981.

**BJA** *You came to LIT 20 years ago as a member of the adjunct faculty. Why did you return to academia? In particular, why would a research physicist choose to return to an undergraduate college?*

**REM** Whenever you become involved in scientific research, you generally end up in a narrowly specialized field. And, as in many careers, you discover things which you think deserve to be passed on. One way of doing this is through publication. Other ways are through lecturing and teaching. I think you have an obligation to pass things on to new generations so 'the wheel' doesn't have to be reinvented. Perhaps it's a wheel that only you see.

Many people I worked with at General Motors Research Labs enjoyed teaching at LIT. They liked the professional attitude of the administration which at the time (1965) was led by Dr. Wayne H. Buell. Dr. Mordica Ryan was dean of academic affairs. I'd known about the College since high school days in Highland Park in the 1940's. We frequently attended basketball practice sessions at Hackett Field House and LIT games at the Coliseum.

So I joined the adjunct faculty and between 1965 and 1969 every evening college engineering student in the college had to pass my calculus class to graduate!

In 1969 Dr. Buell offered me a full time position. I concluded that I would enjoy being a big fish in a comparatively little pond like LIT more than being a tiny fish in a very fine but enormous pond like G.M. Apparently Dr. Buell liked



ANNETT PHOTO

*'Our priority is LIT's student body. Every decision is weighed against how it will affect them.'*

my work because he piled on other responsibilities as rapidly as he could. I became dean of arts and science, then vice president for academic affairs, and then president in 1977. At the time of Dr. Buell's death in 1981, all offices on

campus reported to me except public relations.

Dr. Buell believed in the adage of "giving busy men something to do." I think he also felt if I was given a task I wouldn't hand it back to him — it would be done. So, I enjoyed the opportunities and the sense of accomplishment.

**BJA** *There are relatively few administrators at LIT. You do what on many college campuses is handled by a cadre of academic and financial vice presidents. How do you handle the pressure and demands on your time?*

**REM** The computer is of great assistance in saving time administratively. The trustees have been most supportive in providing us with these facilities. I find the extreme variety of activities very interesting and seem to thrive on them. I never get tired of the diversity.

We maintain a lean organization. To reach a decision or implement an idea, I don't have to touch innumerable bases. Certainly we consult with those who can provide useful information or informed advice. Frequently, their comments are provided through our electronic mail network which we believe to be one of the most complete in the United States.

**BJA** *Then how do you establish priorities for your time and priorities for the campus?*

**REM** This may sound unusual, but there are really not that many important matters which take large amounts of time to decide.

Our priority is LIT's student body. Every decision is weighed against how it will affect them.

Many priorities are self-setting. Registrations, accreditation visits, and many other activities occur regularly and we deal with them almost reflexively.

Just as a symphony orchestra excels through familiarity with the music and practice, so we here at LIT become accustomed to various tasks and do them.

A great advantage is that our size is tractable. We try to do the standard things right and improvements evolve. As a college we're perhaps more evolutionary than revolutionary, but usually we do things right the first time. We don't always have to be first — we can try to be the best.

**BJA** *Technical equipment is extremely expensive and it rapidly becomes obsolete. What steps are being taken to assure that LIT remains an educational leader technologically and where will funding come from?*

**REM** Faculty and staff identify our equipment needs. We will have to continue to seek alumni support but I think there's more to it than just imploring graduates to support the College out of loyalty. Everything we do which maintains excellence here reflects favorably on alumni as well. So the incentive to give has some very practical as well as esoteric ramifications.

We can acquire some equipment from manufacturers in exchange for developing new applications or conducting research for them. Occasionally we can acquire donated equipment which is still useful. In some areas we need to be right at the forefront of technology — computer-aided design is one such area.

In these cases we must continue to seek support from graduates, foundations, corporations, friends, and even government agencies like the National Science Foundation.

Dr. Jerry Crist, chemistry department chairman, for example, has just applied for an NSF grant to provide half the funds for a nuclear magnetic resonance spectrometer costing \$31,000. LIT will provide some institutional funding but this "teamed approach" is what makes some purchases possible. The funds just can't be taken out of student tuitions.

**BJA** *Studies show that the high school age population continues to dwindle. As a result, other colleges and universities have rapidly stepped up recruitment activities and some have zeroed in on non-traditional students — full time workers who take courses in the evening or on weekends. This type of student has long been important to LIT. How will LIT respond?*

**REM** There is still an enormous reservoir of untapped students —

students who perhaps couldn't go to college without us — students for whom we are the right college.

There are still many people who don't know about us. We have a great operation but no famous football team. Assuring that people know about LIT is an enormous challenge.

But even in this period of so-called declining enrollment we just had a record day college enrollment. It should be recognized that references to the "declining pool" are overly simplistic. The detailed composition of the pool is



*'As a college we're perhaps more evolutionary than revolutionary, but usually we do things right the first time. We don't always have to be first — we can try to be the best.'*

continually changing in our favor. Fifteen years ago, for example, we had approximately 4,000 students including 80 females. Now, we have 50 percent more total students including 1,280 females — a 16 fold increase.

We are one of the few colleges with a structured evening program. As Dr. Buell said, "at LIT you don't need a hunting license" to take the classes you need to graduate in timely fashion.

It's far better for us to maintain that and never back off than to go off in untested waters.

Whatever "pool" of students remains, LIT is the best bargain they'll find in terms of excellence and affordability. Reaching them is the biggest task we face and alumni can help by identifying candidates and calling them to the attention of LIT's Admissions Office.

**BJA** *What is the most rewarding part of your job?*

**REM** Dealing with and motivating people, and doing it with the combined philosophies of my three predecessors.

We have a college mission which is easily communicated. We have a lean organization, and the restricted size helps us avoid misunderstandings.

There's an old story that asks what constitutes a good haircut. The answer is one where you can't tell that you've just had one. Leadership can be similar. You can lead by demonstrating success. You might not know you're being led.

"Reasonable people, equally well informed, rarely disagree," is a guiding principle for me. On the whole, I hope I lead by using logic and not by being arbitrary. My action plan, therefore, is to make sure that we are associated with reasonable people and, having done that, to keep them completely informed.

**BJA** *What frustrates you the most?*

**REM** Frustration really isn't a part of my life right now. Unlike many college presidents who are hobbled by their boards, alumni, or faculty, I have a most supportive group of trustees and members of the corporation, and a college community which enhances what we do.

**BJA** *What do you look for in hiring new people?*

**REM** Commitment, technical excellence, proficiency in their work, and the ability to communicate.

Generally, when you hire people with industrial backgrounds, initiative comes from within and the individual usually has the commitment to work long hours, (or as many hours as necessary,) to complete a task successfully.

We maintain standards through close contact with supervisors — myself, the deans and department chairmen, with student evaluations, and careful

(continued)

observations. We monitor professional activities and review reports.

**BJA** *What are your predictions about LIT's future — enrollment, academic expansion or contraction, new buildings, etc.?*

**REM** We're very close to having a complete campus. Funds for the new athletic facility and the Engineering Building addition are now being sought. Student parking needs should be solved in the near future. Another housing structure is something that we can

*than we have heard discussed before.*

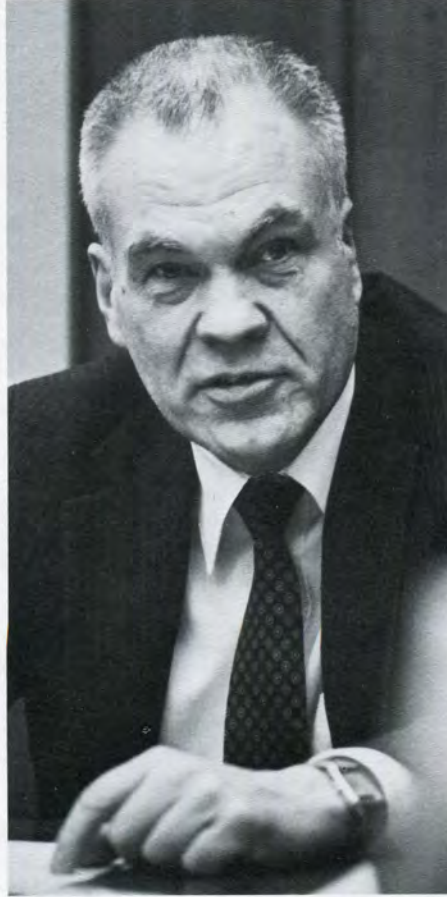
**REM** It all depends on where the students are and how well we're able to serve them. Dr Buell's master plan called for 5,000 students and he surpassed that. Certain programs could accommodate more students — for example the associate programs on Tuesday and Thursday evenings. We're also still exploring master's programs.

**BJA** *What is the legacy you hope will be yours as LIT's president? How long would you hope to continue?*

**REM** I hope to have increased the College's visibility. I also think the channels for communication are firmly established and will endure. And, I hope I'll have motivated people here — students, faculty, staff — to do the best they can.

I'd like to remain until I reach age 70. Then I plan to step aside and get out of the way of my successor.

Perfecting communications is one of my cherished goals. By September of this year we expect the finest direct mutual contact ever provided by a



ANNETT PHOTO

explore.

If any academic programs need to be added or cancelled, we have fast reflexes.

I'm proud that my own children graduated from LIT. Kathy (BA'78) is a senior cost accountant with General Motors and Dennis (BA'76) is vice president for investments at the Bloomfield Hills office of Dean Witter Reynolds. They are both motivated young people but I think their success is also largely attributable to the education they received at LIT.

With a one campus operation and an enrollment base of 6,000 to 8,000 students, evenly distributed day and evening, we can continue to perpetuate LIT's mission.

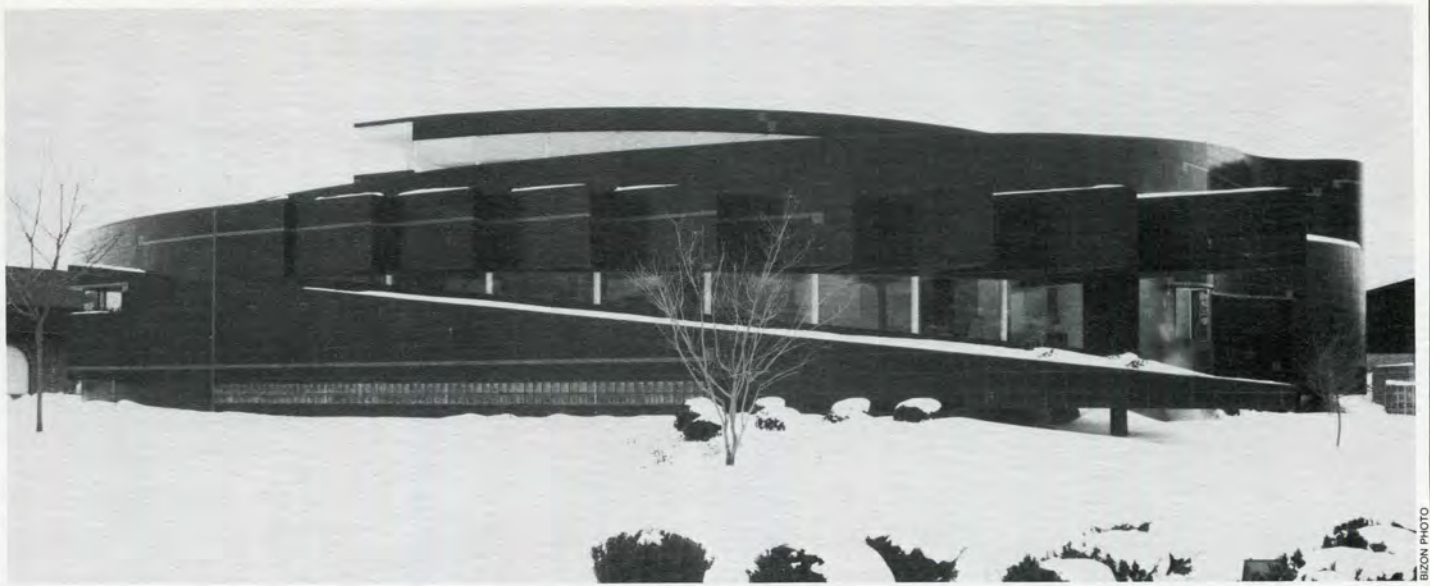
**BJA** *That's a larger student population*

*'Even in this period of so-called declining enrollment, we just had a record day college enrollment... The pool is continually changing in our favor.'*

college will be available through electronic mail involving all students, faculty, and staff. Each student will have an account on the VAX cluster of computers. This will provide direct access to all academic and administrative offices, including mine, and to all the faculty.

This is most significant. As we mentioned, we are not the biggest but we will seek to be the best.

Our goal remains to be the most efficiently run and academically excellent technological college anywhere. Everyone past and present in the LIT community deserves praise for making that goal a reality. We have much more to do but we are much better off than some other institutions. We won't lose sight of the principles that assured success. □



The Max Klein Co. is housed in this new dramatic structure designed by architectural lecturer Harvey Ferrero, ArE'55.

# 'Sculptural' building attracts attention, comment

Harvey Ferrero, ArE'55, designs a building with a message

By Ted Seemeyer

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One of the most controversial buildings in southeastern Michigan is the one recently designed and completed by Ferndale architect Harvey Ferrero, lecturer in architecture at LIT.

Located at 26000 West Twelve Mile Road between Telegraph and North-western in Southfield, it houses the administrative offices of the Max Klein Co., a major plastic products manufacturer.

It has attracted wide attention because of its dramatic and unusual exterior contour, reminiscent, in a contemporary sense, of the Castel Sant' Angelo built in A.D. 135-39 by the Roman Emperor Hadrian on the right bank of the Tiber.

Its striking black tiles and the strategically placed red ones along with the dramatic roof lines brought more votes, both pro and con, than any other in the recent Orchids and Onions competition, sponsored by the Michigan Chapter of the American Society of Interior Designers.

As a result, it was given a special "sweet onion" award.

Ferrero said, "The functional requirements that had to be answered in designing the structure was that I had an ideal client who wanted something attractively pleasing as well as outstandingly unique. Mr. Klein, the president of the company, had traveled all over the world and had seen nothing that he really liked. So I had a free hand and let my creative mind do the job.

"Because of the location," Ferrero continued, "I did not have to conform to other buildings in the area, but I did want it to be low in structure. Since clear glass was to be used in a south exposure I had to take care of the sun problem so I designed the sharply angled cantilevered sun screen on the front with the sloping plane and unique shaped windows.

"Because of the swift vision from the cars passing by on Twelve Mile Road I wanted sculptural movement in the building as well.

"I decided the exterior color had to be

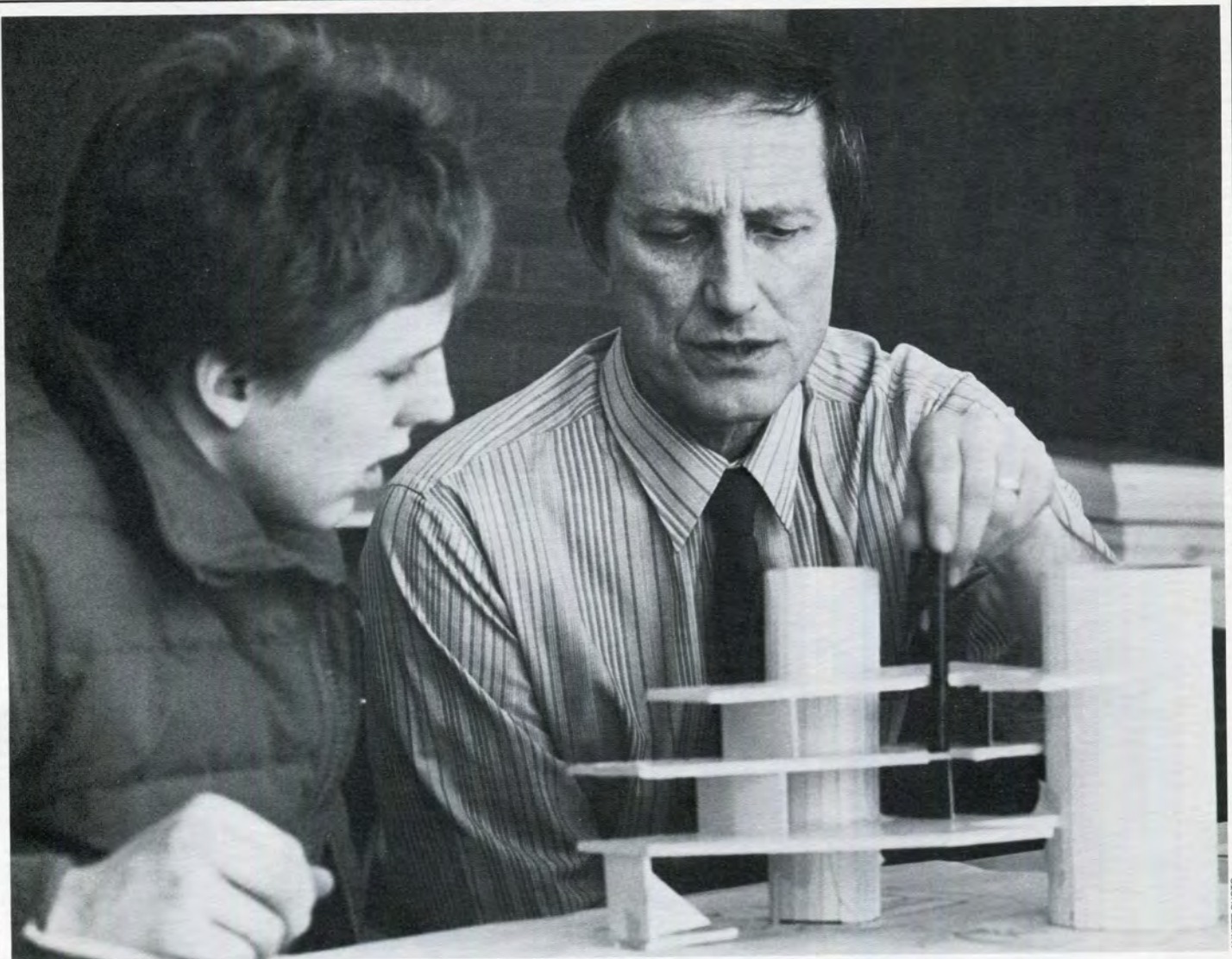
vividly striking. To create an impact I selected glazed black I.A.C. tile from Tulsa, OK, which is also maintenance free. I felt that the ornamentation should be like people to evoke human and humorous feelings. That's why I added the red Impo glazed tile from Japan for accent — some to add to the geometry of the building and again some for emphasis in various pertinent places.

"Actually the structural form grew out of the interior requirements with the central lobby and all the offices working around it in a perimeter.

"I wanted the interior to be restful, not frenetic — a pleasant place to be in and a good environment to work in with a nice light, bright atmosphere even on an over-cast day."

This well-insulated office building of three levels on one acre consists of a spacious central reception lobby with a huge custom-built desk as a nerve center.

A two-story president's office has a spiral staircase with glass steps leading to the second level. In the private offices for two assistants there is a magnificent



ANNETT PHOTO

drop crystal chandelier imported from Europe. One expects any moment for Marie Antoinette and Louie XVI to appear on the scene.

A large conference room, a drafting studio, work room, kitchen, lavatories, a garage for two cars and truck and an immense storage area are in the basement. There are four furnaces for area heating adjustment.

Vertical butt-jointed glass allows for an open view into some of the offices, from the lobby with its unusual skylights and the mezzanine. Although all offices have privacy the ceiling heights vary from one interior area to another.

**W**hite walls, grey carpeting or grey rubber flooring with black and red tile strips for accent makes the whole interior strikingly serene. Ferrero also designed many of the handsome furnishings.

The construction of the building took 18 months. Ferrero says all the workmen enjoyed working in it and seemed to want to do more than required.

***"Architecture and music have a lot in common. . .," says Harvey Ferrero. "It has to have rhythm, point, counterpoint, and theme in variations or elaboration."***

The general contractors, Brown & Schroeder of Richmond, have done work for Ferrero in the past.

Detroit-born Ferrero went to Cass Technical High School and right from the start was interested in architecture as an art. While there he took drafting and other architecture related subjects.

He went on to Lawrence Institute of Technology in Southfield and upon graduation took a two-year position with the well known American architect Bruce Goff, a disciple of Frank Lloyd Wright. Goff's offices in the Price Tower in Bartlesville, OK, were designed by Wright.

Ferrero comes from an artistically motivated family. His great uncle, the famous cowhand hermit, Martin Bodin, painted extensive murals on the walls of a canyon near Trinidad, CO.

Tall, stalwart Ferrero has an attractive and energetic family. His wife, Carol, sings with the Kenneth Jewell Chorale, is contralto soloist in the First Presbyterian

Church of Birmingham and is in the history and travel department of the main Detroit Public Library.

Son Paul is a sophomore at Lawrence Institute of Technology, daughter Carla is a freshman at Lawrence, and daughter Lara, a track athlete, is a senior at Ferndale High School.

Ferrero has his studio office in his home in Ferndale. For the past 20 years he has been lecturing in the School of Architecture at Lawrence Institute of Technology.

He said, "Architecture and music have a lot in common. I learned this from my great mentor, the late architect Bruce Goff. It has to have rhythm, point, counterpoint and theme in variations or elaboration. All the elements you find in music, orchestration of the curve linear and straight lines."

Whatever the opinions, the building is attracting a steady stream of people who drive by to look and make up their own minds about rank in the realm of architecture. □



CHAVEZ PHOTO

*Alumnus John "Jack" Laister, AeroE '38, has more than 50 years of gliding under his belt but still finds time for some recreational and business flying.*

# Soaring to success

**In the late 1920s, Charles Lindbergh made his historic flight across the Atlantic. Suddenly, every kid in the country wanted to grow up and be a pilot. At fledgling LIT, some kids had their dreams come true.**

*Based on a story by Robert F. Pauley*

Just five year's after Lindbergh's flight across the Atlantic Ocean in the *Spirit of St. Louis*, and several months after the opening of Lawrence Institute of Technology in September 1932, John W. (Jack) Laister entered LIT as an aeronautical engineering student. He was instrumental in forming, along with Professor Curtis L. Bates, the Lawrence Tech Soaring Society in the autumn of 1933. There were only about 8 members in the club at the start with but one pilot — Jack Laister, who supplied his own glider for the club's use and also served as the club's instructor.

Laister was born in Ontario but had grown up in Wyandotte, Michigan. While in high school, Laister and fellow members of the Wyandotte Aviation Club, (which started as a model airplane club) had built two primary type gliders and he had taught himself to fly in them.

Those early flights consisted of straight-ahead hops using a shock cord for launching and later, from higher ground, they made flights of up to 75 feet during which Laister and his friends were able to make gentle "S" turns. By 1930, Club gliders, using a Ford Model A tow car, were able to reach altitudes of several

hundred feet.

Laister had built his own glider in 1932. It had a wing span of 36 feet, weighed 290 lbs. and had a welded steel tube fuselage with wooden wings and fabric covering. Laister had won a contest at Wayne County Airport with this ship in the spring of 1933. As a result, Laister and several other students took the glider to the 1933 National Soaring Contest in Elmira, New York. They were sponsored by Russell E. Lawrence, LIT's first president, who christened the ship "*The Dean*," his nickname, just prior to their departure.

Laister, the only member of the group with any flying experience, soared the ship for several hours over several days and earned Federation Aeronautique Internationale soaring badge number 89 at the meet. That fall the Lawrence Tech Soaring Society was formed and Laister started training members to fly at the Navy Airport at Grosse Ile in the same glider — an honor for which members shelled out 15 cents a flight.



JACK LAISTER COLLECTION PHOTO

*Jack Laister seated on the Wyandotte Aviation Club/Roosevelt High School glider in 1928.*



JACK LAISTER COLLECTION PHOTO

Although Laister and the other students had not placed high in the 1933 Elmira contest, they learned a lot from the experience. At that meet they had an opportunity to see some of the best American and European pilots flying the latest sailplanes. This inspired the LIT students to return to the College to build a new and more advanced set of wings for *The Dean*. The new wings were of a more streamlined and efficient design, emulating the graceful gull wings which were an outstanding feature of many of the European sailplanes the students had seen at the Elmira meet and which inspired them to pursue the gull wing idea.

*The Dean* glider was damaged in a training accident in the summer of 1934 but Jack Laister and the club members completely rebuilt it in time for Prof. Bates, Laister, and ten students to take it on a soaring expedition to Virginia's Shenandoah Mountains National Park. Other soaring contests followed.

By the mid-1930's the small shop of the LIT Aeronautical Engineering Labs, located in the basement of the College's original building in Highland Park, had become the center of sailplane building in the Detroit area. The Detroit Glider Council, of which the LIT Soaring Club was a member, the ABC Glider Club of Detroit and other groups used the School's facilities to either build or repair their gliders. At the same time the Detroit area had 16 percent of all the registered gliders in the United States and interest in soaring had reached an all-time high.

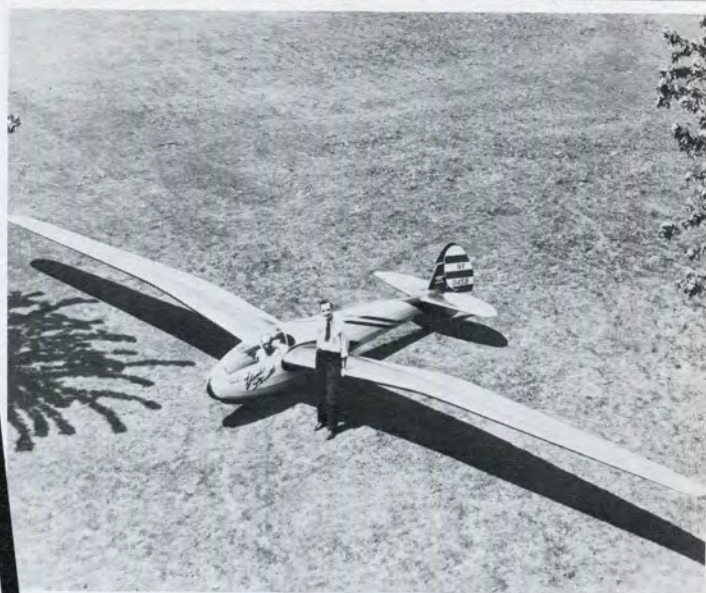
On an even more ambitious scale Jack Laister had organized Universal

**Left: Russell E. Lawrence, LIT's first president, christens "The Dean" glider in 1933. Laister is in the cockpit. Right: Randall Chapman, AeE '38, (standing) and pilot Dick Randolph (in glider) took the Yankee Doodle to France in 1939 to represent the U.S. in an international competition.**

Glider and started building three semi-production gliders in the LIT shop. It was in this atmosphere that in 1937 then-President E. George Lawrence asked Laister to design a single-seat high-performance sailplane for the College that would out-perform any existing sailplane in the country. Laister had one already in mind and Lawrence enthusiastically said, "Good! Let's have the College build it!"

By the summer of 1938, the new sailplane, originally known as the Lawrence Tech IV, was completed. The entire design had been the responsibility of Jack Laister, for Prof. Bates had left LIT several years earlier to work for Douglas Aircraft in California. The new sailplane was built by Laister and George Dalton, AeE'38, who labored over 40 hours a week on it through the summer of '37 and on to completion in June 1938. They were aided by students Bill Putnam, AeE'41, Robert Sparling, Harry Belobraidich, and Guy Williams who put on the finishing touches and prepared the plane for display at the 1938 Michigan State Fair. It was a single-seat gulled cantilever wing design with a 46 foot span wooden wing, a fuselage of steel tube construction and fabric covered. The color scheme of the "Yankee Doodle," as it had been nicknamed, was red, white and blue.

Jack Laister graduated just as the



glider was being finished and moved to California where he joined Douglas Aircraft. Several years after that he joined Curtiss-Wright in St. Louis. Jack would again be involved with the *Yankee Doodle* a few years later but in the meantime a 1939 LIT graduate, Randall Chapman, assumed responsibility for the sailplane and LIT soaring activities. Chapman had become a professor in aeronautics at LIT and by 1941 became head of the Aeronautical Engineering Department.

In 1939 the *Yankee Doodle* became the first glider to represent the United States in foreign competition when the Paris Aero Club selected it to compete in an aerobatic sailplane contest held on May 28 in France. Randy Chapman went along with the LIT sailplane and aerobatic pilot Dick Randolph, from Akron, Ohio, who had earned a reputation as an outstanding sailplane

**Left: One of the tow cars utilized by LIT club members in the early '30's. Right: Randy Chapman (standing) and Dick Randolph (pilot). Chapman headed LIT's aero department before the war and joined Jack Laister in St. Louis.**

DALTON PHOTO



pilot. All expenses for the trip were paid by the Paris Aero Club. Chapman, Randolph, and the *Yankee Doodle* sailed for France on the liner *Normandie*.

The contest consisted of only one flight in which the glider was towed to an altitude of 2500 ft. and released. The pilot was to perform as many maneuvers as possible before having to land. Before thousands of spectators Randolph gave a near perfect exhibition of aerobatics. Unfortunately the air was turbulent that day and while landing the *Yankee Doodle* hit several parked cars and injured several spectators — none seriously. Randolph and Chapman returned to the United States with the fifth place trophy and 8000 francs in prize money.

The *Yankee Doodle* was repaired by LIT students and Randy Chapman continued to fly it in contests. In 1940 he flew it 176 miles at the Southwest Soaring Meet in Texas and in 1941 he reached an altitude of 11,200 ft. at a meet at Elmira, New York.

Then, World War II brought private flying to a standstill.

In 1941 the Army Corps had become interested in gliders as a tactical weapon. In June of that year the Corps arranged to see Jack Laister's movies and other material on the *Yankee Doodle*. A quickly arranged meeting at Wright Field ended with a request that Laister submit a proposal for a two-seat military trainer based on the design of the *Yankee Doodle*. That design proposal ultimately resulted in a development contract for what is now known as the LK or the TG-4A. Many are still flying.

Laister needed to get a manufacturing facility started. He had not planned to do this in St. Louis but John Kauffmann, a

(continued)



*Dr. E. George Lawrence, LIT president from 1934 to 1964, was an enthusiastic supporter of The Soaring Society and other student activities. He wrote the accompanying recollection toward the end of WWII.*

## An idea that took wing

By E. George Lawrence  
Excerpted from *Gliding Magazine*  
April-May, 1945

Back in July, 1935, I was introduced to the sport of gliding — not as a participant, but rather as an interested observer. The LIT Soaring Society, a group of aero students, had just completed a new gull-wing glider. They were quite anxious to try it out at the Elmira (NY) national contest and urged me to make the trip.

We were scheduled to leave at 4 o'clock one afternoon. Actually we left at 1 o'clock the following morning. The last coat of paint on the LIT II was not yet dry and the battered old trailer needed welding. Nearly forty-three hours later two wheezy old Fords loaded with tired, sleepy fellows chugged up the big hill near Elmira. Pup tents were pitched, straw beds were spread out and we slept soundly.

The next morning, after breakfast at the farmhouse, we proudly assembled the LIT II before the interested eyes of nearly fifty other glider enthusiasts. It was a big day. We were tensed with excitement. There was no doubt in our minds that the ship would shatter all existing records. Jack Laister was the only pilot we had at the time. Jack was sick at his stomach with food poisoning.

Finally we trundled our precious ship out to the field and hooked it up to the tow car. Jack crawled in, a little white, but game. The starter's signal was given, and away went the tow-car. The cable tensed, the LIT II taxied on a level keel and raised from the ground. We all cheered wildly. Up and up rose the ship. Jack released the cable, and down and down she went, over the brow of the hill. We ran down the slope and looked over. There she lay in a farmer's field a good fifty yards from the hillside. The cheering had ceased. It was suddenly rather quiet.

That first experience with gliding did not make me highly enthusiastic about the sport especially when it came to financial aid to the club. However, that was the most persistent group of fellows I have ever known. Back in the College glider shop, the LIT II was torn down and rebuilt. Next time she flew like a bird. My old interest revived. We talked it over, the boys and I, and decided to really build a sailplane.

The Lawrence Tech IV (later named the *Yankee Doodle*) proved to be a high flier. There seemed to be no limit as to what she could do. The boys flew her at Elmira, at Sleeping Bear and down in Texas. Don't ask me about records and technical data. I've never been able to keep up on that sailplane. At any rate she was selected to represent the United States in an international meet at Paris, France, during the summer of 1939 — just before the war.

Now the boys are all gone from campus. Some are in the Air Corps. Others, like Jack and Randy Chapman, build these huge gliders for the Army. One of them, Harry Belobraidich, affectionately known as "Bubbles," was shot down and killed over in Africa. Bubbles was a pilot of a medium bomber. But the boys of the LIT Soaring Society have made themselves felt by the enemy. They're in there flying, designing and building aircraft and fighting, so that a new generation can go to Elmira and camp out. □



St. Louis stock broker, heard of his intentions and offered to help Laister to get the company started in St. Louis. Kauffmann thought he could raise \$25,000 among his clients to start with — which he did, and by the end of July 1941 Laister had a small temporary shop to work in and three employees. Innes (Buzz) Bouton, a U of M aero graduate, was chief of structures. Jules La Grave, who had earlier worked with Lindbergh in St. Louis, was to take charge of the shop, and Laister was president and chief engineer. Randall Chapman joined the company in the spring of 1942 after the firm received a cargo glider development contract. Laister-Kauffmann's first contract was for about \$12,000. The firm's last contract, which was never finished due to the war ending, was for more than \$100 million! Laister's firm had approximately 3,000 employees by then, and plans had been made to grow to 7,500.

The TG-4A was very similar to the *Yankee Doodle* but slightly larger due to the addition of a rear seat and dual controls. To simplify construction, the gull wings had been straightened and the streamlined canopy of the original design was changed to a military type windshield. Laister-Kauffmann built 154 of this design which were used by the military to train glider pilots who then moved on to fly the larger cargo gliders used in combat.

Laister-Kauffmann also built 750 of the large CG-4 cargo gliders used during the Normandy invasion and, eventually, produced the largest glider ever built in the United States — the CG-10 *Trojan Horse*, a 31,000 pound monster capable of carrying 60 soldiers or a 2½ ton truck. Plans were underway for Ford Motor to increase production of the CG-10 by building it at Willow Run. The war began to wind down and this plan was abandoned.

A tragic event occurred during an air show in August 1945 while Laister-Kauffmann representatives were demonstrating company products. Randy Chapman, who was by then one of the nation's top aircraft designers, was killed while performing aerobatics when the wing came off the *Yankee Doodle* glider. As the war ended, Laister-Kauffmann made an attempt at introducing a civilian version of the TG-4, known as the LK-10B, for the post-war market. However, the military had declared all of the TG-4 gliders as surplus and there was no market for a civilian version when ex-military gliders could be bought for approximately \$250.

Laister-Kauffmann went out of business following the war. Jack Laister worked in the aircraft industry in a variety of responsible positions until 1966 when he formed his own company,

CHAVEZ PHOTO



JACK LAISTER COLLECTION PHOTO

Laister Sailplanes Inc., in El Monte, California. He produced the *Forty-niner*, a single-seat high-performance sailplane available in kit form or as a complete airplane, and the LP-15 *Nugget*, a new design that challenged European designs that have so dominated U.S. soaring contests in recent years. The *Nugget* is the only U.S. design to ever win the annual 15 meter U.S. Nationals. The plane which did this in 1975 is now in the National Soaring Museum. Laister has been elected to the Michigan Aviation Hall of Fame and the United States Soaring Hall of Fame.

"In 1978 I got tired of handling employees with all the problems of filing government reports and the bookkeeping.

It kept me so darn busy I had no time to work back in the shop," Laister told the *Los Angeles Times* several years ago.

"So, I let everyone go and I'm doing all the work on each glider myself."

After more than 50 years of glider building, Laister has finally retired from active involvement in sailplane construction, although he is negotiating with a firm interested in building a plane based on one of his designs. He is also doing some consulting on a vane design for cross-wind generators purchased by the Department of Transportation. In fact, a major Detroit auto manufacturer is currently doing cross wind testing on cars using wind generators for which Jack built the guide vanes.

Laister still does some recreational



LIT COLLEGE RELATIONS ARCHIVE



Top Left: Jack Laister went from LIT to build a 3,000 employee firm in just seven years, building gliders to aid the Allies. Bottom, far left: More than 150 TG4/LK10

gliders, based on the Yankee Doodle, were delivered to the Army to train pilots. Photo taken about 1943. Bottom center: The Lawrence Tech IV, later christened the Yankee Doodle. Top right: LIT display at the 1938 Michigan State Fair. Bottom right: 1935 photo of the Soaring Society and "The Dean" glider. (L to R) Elmer Zook, William Putnam, Glen Mead, Randall Chapman, President Lawrence, Jack Laister, Curtis Bates, and Charles Csizmanski.

JACK LAISTER COLLECTION PHOTO



and business flying in rented Cessnas from an airport five minutes from his house in Sierra Madre but he has to travel 75 miles to participate in gliding.

"Soaring is still the most fun," Laister says. "It has changed tremendously since the days at LIT. Then, it was unusual to stay aloft more than 5 to 10 minutes. Today, because of instrumentation advancements and design improvements, it's not uncommon to stay up 2 or 3 hours. The Yankee Doodle was one of the first ships in the high performance class. Efficiency was 32:1. New planes are 50:1 efficient.

"Soaring takes some effort now because of the distance I must travel to do it, but it's still worth it. The sensation of soaring is like being a bird." □BJA

*Editor's note—LIT was a pioneer in the American sailplane movement and graduated a number of very capable aeronautical engineers between 1933 and 1953, when the Department was disbanded because of declining enrollment. Jack Laister, AeE'38, is one of the most prominent. In the next issue we'll look at the development and history of "The Spirit of Lawrence Tech," a pusher-type aircraft the College developed after WWII which has "come home" to campus after an absence of more than 30 years. See related story on back cover.*



## The LIT tie

Perfect for holiday gift giving, birthdays, and other special occasions — official Lawrence Institute of Technology neckties sporting the College seal in white on a navy blue background. These high quality silk/polyester ties, in a classic club pattern, are available by mail from the LIT Bookstore for just \$10.50, including postage and handling.

Send check or money order (made payable to "Lawrence Tech Bookstore") to LIT Bookstore, 21000 West Ten Mile Road, Southfield, MI 48075. Allow 3 weeks for delivery. Visit the bookstore personally and view the wide variety of other gift items available. A 10% discount on many items is offered to Alumni Association members presenting current membership cards.

# 'Passing on knowledge'

## Bob Ellis, dean of engineering, seeks to provide the best education possible

Another in a series of close-ups on LIT faculty and staff

The U.S.S.R. blasted into first place with the successful launches of Sputnik I, II, and III. America needed more than a shot of morale if it was to compete in the space race against the Soviets and NASA knew it. In 1959, seven hand-picked astronauts or "ordinary supermen" were chosen for Project Mercury with the hope that one of these Americans would be the first human being to explore the outer limits and then safely return to earth.

In the midst of all this, 19-year old Robert W. Ellis, (now dean of LIT's School of Engineering) was exploring possibilities for his future.

"I entered college at the beginning of the space race. Engineering was considered a glamorous profession because everyone knew engineers would be needed to develop space technology, right?" the Dean smiles.

Dr. Ellis has the build of a football player, the countenance of a southern gentleman, and the knack for setting high goals and achieving them.

The first member of his family to graduate from college, Ellis obtained his Ph.D. at the age of 25, was named dean of Florida International University's School

of Technology at 32, and became president of Detroit Institute of Technology at 40.

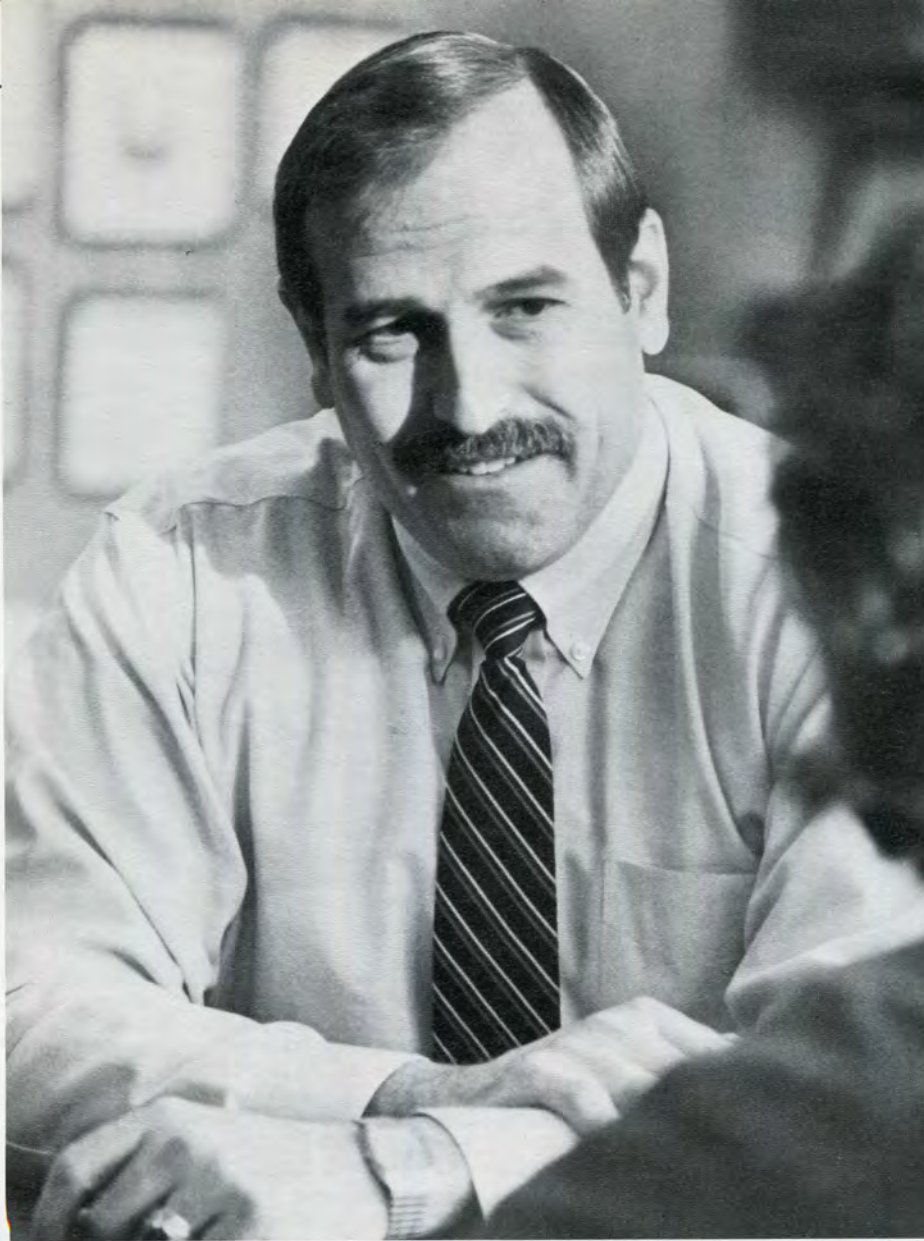
To Ellis, the profession went from glamorous to noble during this 15 year span.

"I was heavily influenced by the philosophy of Dan Pletta, the head of the engineering mechanics department at Virginia Polytech" (Ellis' alma mater), he explains. "He taught me that the noblest thing you can do with knowledge is pass it on to other people. That's why I went into education. My major objective, however, was to become a dean because in being dean you can have the best of all worlds. Deans have an influence on the way an institution operates yet they are still educators. Also they can practice their professions as consultants. I had done everything I could to become an academic dean but to reach my life's ambition at the age of 32 posed kind of a problem," he admitted. "Where do you go from there?"

Up.

Dr. Ellis went on to become the executive vice president and then president of Detroit Institute of Technology.

"DIT, in many ways, was like LIT in its commitment to practical education in engineering and management," Ellis says. "It played an important role in providing opportunities to students, and manpower to industry for many years. In the end, it failed to respond to changes in the inner city — to which it was so firmly committed. By 1978, when Massachusetts Institute of Technology submitted its recommendation to the college on a strategy for survival, it was already too late. When I came to Detroit, at the urging of Tom Jones (then V.P. for research at MIT), we had hopes that DIT would prosper. As it was, I was proud to be involved



become an undeniable part of him, "The noblest thing you can do with knowledge . . ." In January 1984, Dr. Ellis assumed responsibilities as dean of LIT's School of Engineering. As is his custom, he immediately began setting some pretty high goals.

"We are looking critically at the School to make sure that it is responsive to the needs of LIT students and industry. We have decided to remain an undergraduate institution and to use all the resources we can muster to become the best undergraduate institution in the country. This year we became one of the first schools of engineering in the United States to ask seniors to sit for part I of the Professional Engineers Exam as a requirement for graduation. They need not pass it, they just have to take it," Ellis clarifies. "We have just received an award from the Michigan Society of Professional Engineers for implementing that requirement," Dr. Ellis adds. "Seeing how well our students fare with those exams will help us to evaluate and improve our programs."

The "best undergraduate institution in the country" does not mean an institution that rubber stamps wiz kids. To Ellis, it means developing human beings.

"The primary objective of an education is to prepare a person for life in general. Part of that means to prepare a person for a vocation — to provide individuals with the means by which they can support themselves. However, there is no point in making a living if you don't have a reason to live," he states matter-of-factly. "That's why we prepare students in literature, philosophy, arts, history, and all the other areas that go into making up a total person."

The Dean feels equipped to understand the needs of students because he tries to be more than just an administrator who sits behind a desk.

"Several years ago I spent a summer at the Harvard Graduate School of Business Administration in an intensive study program. It was one of the most rewarding experiences I've ever had because after holding top level positions in higher education, I was suddenly a student again. An experience like that restores your perspective. Not everyone has the opportunity to turn the tables like that but the same idea can be applied to teaching. If an administrator stays out of the classroom too long he will lose touch with the fact that we are dealing with students' lives. Walking into a classroom everyday reminds us why we're here." □ UQM

ANNETT PHOTO

in preserving the dignity and integrity of DIT during its final days."

When DIT closed, Ellis became a senior engineer at the U.S. Army Tank-Automotive Command in Warren and a lecturer at LIT. He left full-time education for an engineering position with

the government, for the most part, because he thought he had experienced what he could in higher education and sought to broaden his range of experience.

However, Dan Pletta's philosophy had

*Ellis*

# On-campus



## Ed Donley, ME'43, to chair national education forum

Edward Donley, ME'43, chairman of LIT's members of the corporation and chairman and chief executive officer of Air Products and Chemicals, Inc., has been elected chairman-elect of the Business-Higher Education Forum (BHEF). Donley will serve as chairman for the 1986-87 term.

As chairman-elect, Donley will begin to work closely with BHEF's current chairman, (Rev.) Theodore M. Hesburgh, C.S.C., president of the University of Notre Dame. In assuming the chairmanship in 1986, Donley will oversee the activities of the Washington D.C.-based 88 member consortium of corporate and academic chief executives whose major focus is the exchange of ideas and initiatives on issues of mutual concern shared by the nation's business and higher education communities.

"Business has the opportunity, and the obligation, to join with higher education to shape and strengthen America's workforce," said Donley upon accepting his elected appointment. "The real learning process begins at a very young age in the home and is cultivated in basic education. The higher education arena and business environment continue that process, enabling our nation to compete in global marketplace. The Business-Higher Education Forum serves to cement the commitments of industry and education toward that end."

Each BHEF chair serves a two-year term and the chairmanship rotates between a corporate CEO and an academic chief every other term.

"Progress is being made to address relevant topics and initiatives to strengthen our workforce capabilities," Chairman-Elect Donley continued. "As a nation, we must develop a consensus that industrial competitiveness is crucial

to our social and economic well-being."

The Business-Higher Education Forum was founded in affiliation with the American Council on Education for the express purpose of promoting discourse and acting on issues shared jointly by American business and the nation's higher education institutions.

Donley is a member of the board of directors of American Standard Inc., Mellon National Corporation, and the Pennsylvania Power and Light Company. He also is a senior member of the Conference Board, a director of the Chamber of Commerce of the United States, and a member of the Business Roundtable, the Business Council of Pennsylvania, and The Economic Club of New York.

In addition to serving LIT, he is a member of the Board of Overseers of the College of Engineering and Applied Science of the University of Pennsylvania, the Board of Trustees of Carnegie-Mellon University, and the Executive Committee of the Business-Higher Education Forum.

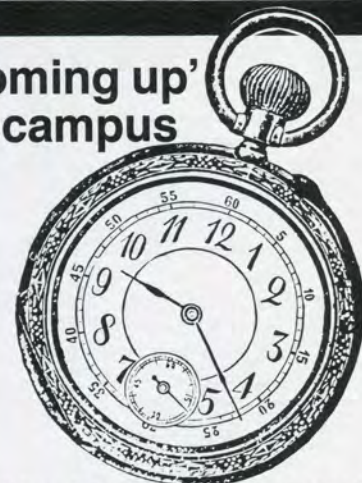
Donley has received numerous honorary degrees and awards, including the Society of Chemical Industry's Chemical Industry Medal in 1980 for his contributions to the industry. LIT awarded him the honorary degree Doctor of Industrial Management in 1976. □ BJA

## Physics Chapter one of nation's tops

LIT's Chapter of the Society of Physics Students (SPS) was one of 32 student chapters nationally to receive the "Outstanding SPS Chapters for 1983-84" award from zone councilors representing the SPS National Council. There are 518 SPS Chapters in the U.S. and Canada.

LIT's Chapter was chosen on the basis of outstanding faculty, speakers, films, laboratory tours, chapter projects, and social functions. Fay Gifford, assistant professor of physics, is the faculty advisor and Theresa Oldford, a senior in LIT's School of Arts and Science, was the 1983-84 president of LIT's Chapter. □

## 'Coming up' on campus



*Presentations by visiting speakers are open to students, alumni, and friends without charge. However, because lectures must occasionally be rescheduled, visitors are encouraged to call the College Relations Office (313) 356-5051, to confirm the appearance.*

**First Thursday of every month through May, Detroit Metropolitan High School Mathematics and Computer Club (DMHSMC<sup>2</sup>).** Sponsored by the School of Arts and Science. Sci. Aud.; 7 p.m.

**April 26 ArchiLECTURE**, visiting professor Giorgio Cavaglieri. Arch. Aud.; 7:30 p.m.

**April 26 Summer Science Institute application deadline.** A tuition-free program for current high school juniors sponsored by the School of Arts and Science.

**April 27 Alumni Reunion Dinner-Dance.**

**April 27, 28 All-Campus Open House.** 11 a.m.-5 p.m. Saturday, 12 noon-5 p.m. Sunday.

**April 28 Fifteenth Annual Mathematics Competition for High School Students**, sponsored by the School of Arts and Science. Sci. Aud.; 1 p.m.

**May 30-June 1 Formula SAE competition** sponsored by the Society of Automotive Engineers. Hosted by the University of Texas at Arlington. Contact U-T or local SAE for exact time and place.

**June 1-2 Midwest Mini Baja Competition** sponsored by the Society of Automotive Engineers. Hosted by Milwaukee School of Engineering. Contact MSE or local SAE for exact time and place.

**June 2 Commencement Exercises** at the Michigan State Fairgrounds Coliseum; 2:30 p.m.

**June 17-July 26 Summer Science Institute**, School of Arts and Science. □

# On-campus



*Dr. Richard E. Marburger, president, received the ESD Affiliate Council's Gold Award from Sharon Szymczyk, Affiliate Council vice chairman.*

## President Richard Marburger receives coveted 'Gold Award'

Dr. Richard E. Marburger, chairman, president, and chief executive officer of Lawrence Institute of Technology, received the coveted Gold Award from the Affiliate Council of the Engineering Society of Detroit at the Council's annual banquet February 19.

The award, established in 1972, honors the metropolitan area's outstanding engineer, technician, or scientist. There are 50 member professional organizations in the Affiliate Council of the Engineering Society of Detroit, all representing engineering, architectural, scientific, and technological fields.

Dr. Marburger has been president of LIT, Michigan's largest independent college, since 1977. He is the 1984-85 president of the Science and Engineering Fair of Metropolitan Detroit, Inc., and a past president of the Engineering Society of Detroit and the Detroit Metropolitan Science Teachers Association.

Dr. Marburger headed one of LIT's five schools — Arts and Science — from 1970-1972, at which time he was appointed vice-president for academic affairs. His scientific career covers a

span of 33 years, at the General Motors Research Laboratories, in the U.S. Air Force, and at LIT.

While in the Air Force, Dr. Marburger collaborated on the development of the U.S.A.F. cadmium sulfide photovoltaic cell which converts sunlight directly into electricity, and published papers on the subject.

During his 17-year career at the G.M. Research Laboratories, he made many important contributions to technology, including X-ray diffraction techniques. His current research includes studies of the application of high-technology electronic communications to enhance the quality and cost-effectiveness of higher education.

Dr. Marburger, a native of Detroit, earned three degrees in physics at Wayne State University, including the Ph.D. In 1983, he received Wayne's Distinguished Alumnus Award.

In 1984, he was the recipient of ESD's Horace H. Rackham Humanitarian Award. He is also a trustee of the Business/Education Alliance, Inc., a director of the Economic Club of Detroit, and a director of Harlan Electric Company. □BJA

## Engineering technology programs receive full accreditation

All four engineering technology programs in LIT's School for Associate Studies received accreditation by the Accreditation Board for Engineering and Technology (ABET) in December.

The electrical and mechanical engineering technology programs were reaccruited and the construction and industrial engineering technology programs received initial accreditation.

The quality and long-term service of the faculty, excellent classroom and laboratory facilities, curricular content and the success of graduates in achieving their goals were cited as major strengths of the programs by ABET.

A major concern of ABET is the introduction of the computer into all areas of study. The School for Associate Studies has developed LIT's first laboratory devoted to the general use of micro-computers. Fourteen Apple II's with double disk drives and printers are housed in the laboratory in the Engineering Building, according to Dr. Richard E. Michel, dean.

Among the non-computer courses that now include the computer as a problem solving tool are: DC Circuits, AC Circuits, Strengths of Materials, Statics, Industrial Accounting, Statistics, Electrical Drafting, Surveying, Inspection Methods, and Project Management. □ UQM

## Ring found, owner lost

Patricia Lamb, BA'76, let us know recently that she had found an LIT class ring. It's inscribed Class of 1984, the major is EE, and there are two initials which do not correspond to any name in our records of 1984 graduates with that major. If you're the owner, contact the Alumni Office, (313) 356-6067 to identify.

# On-campus

## Technical Writing Clinic offers relief

The School of Arts and Science's Humanities Department opened a Technical Writing Clinic in October for students with ailing communication skills.

The Clinic provides free tutorial aid to students in engineering, business, architecture, and science courses who have a difficult time communicating their high tech projects and scientific findings to the world around them.

Open to all LIT students on a referral or drop in basis, the Clinic is coordinated by Dr. James Rodgers, associate professor of humanities and acting chairman of the Humanities Department. Dr. Rodgers, along with Paula Stofer and Esther Littmann, both lecturers of humanities, and student assistants are on hand three days a week during designated hours for tutoring in the Clinic.

"We ask students to bring in samples of their work so that we can tailor the instruction to their particular needs," says Dr. Rodgers. "We've found that the major problem is not spelling, format, or grammar, but rather being able to communicate technical information concisely. In those cases, our advice is often simple, like putting a period after 25 words instead of 85."

"Fay Gifford, assistant professor of physics, and Pat Shamamy, assistant professor of mechanical engineering, helped us out by sending old lab reports and senior project requirements so that we would have models of what is good and what is bad in the eyes of various departments," Dr. Rodgers continues. "If students can explain their work to us, they will be ready to explain it to their employers after graduation." □ UQM



Marlyn Lisk, right, was honored during the banquet for outstanding efforts in recruiting new members. Presidents Club President Vic Kochajda makes the award.

## Presidents Club inducts 54

The LIT Presidents Club welcomed 54 new members at the Eleventh Annual Dinner October 27. The gala evening included an art exhibit, dinner and dancing in the Wayne H. Buell Building on campus. More than 200 alumni and friends attended.

Dinner was preceded by a reception in the Building's atrium, where sculptures by Sergio de Giusti were on display. The exhibit was sponsored by the Business Consortium for the Arts.

Following dinner, LIT President Dr. Richard E. Marburger gave a State of the College address and Lewis C. Veraldi, ME'68, vice president of Ford Motor Company and LIT's annual giving chairman, updated the group on LIT's funding projects. In recognition for his outstanding efforts in recruiting new members, alumnus Marlyn K. Lisk, MT'69, IT'70, IM'73, received a special plaque from Presidents Club President Victor L. Kochajda EE'52. President Kochajda then recognized the new members who joined the Club during the past year.

Musical entertainment by the group Marcus rounded out the evening.

New members honored at the Dinner include: Mr. William S. Allen, Ms. Carolyn R. Andrek, Mr. & Mrs. Kenneth C. Bakhaus, Mr. Thomas M. Bialek, Ms. L. Christine Blackwell, Mr. & Mrs. Eugene R. Bosetti, Mr. & Mrs. Herman Brodsky, Mr. & Mrs. Edward O.

Cascardo, Mr. & Mrs. Fred A. Ciampa, Mr. William L. Clyne, Mr. & Mrs. Sam Dabich, Dr. & Mrs. Robert W. Ellis, Mr. & Mrs. Denis E. Falkowski, Mr. & Mrs. Allan G. Fiegehen, Mr. & Mrs. Michael Lee Foley, Mr. & Mrs. Paul M. Friesch, Mr. & Mrs. John A. Furchak, Mr. & Mrs. William A. Garvey, Mr. & Mrs. Harold J. Gibson, Mr. & Mrs. John M. Haddow, Mrs. Ivabell C. Harlan, and Mr. & Mrs. Robert E. Heintz.

Other new members are: Mr. & Mrs. David R. Hubbs, Mr. Lawrence A. Hyland, Mr. & Mrs. Carl M. Kaniowski, Mr. & Mrs. Levon H. Keshishian, Mr. James R. Kolanek, Mr. Donald R. Kurk, Mr. & Mrs. Harold A. Kuypers, Mr. & Mrs. Louis J. Lambert, Mr. & Mrs. Cornell J. Lazar, Mr. Eric A. Lewis, Mr. & Mrs. Rosendo Lomas, Mr. & Mrs. Dana M. Markey, Mr. & Mrs. Alex Mayorchalk, Mr. & Mrs. Warren E. McHale, Mr. & Mrs. Terry L. Measel, Mr. & Mrs. W. Thomas Munsell, Mr. & Mrs. William B. Palmer, Mr. & Mrs. O. L. Pfaffmann, Mr. & Mrs. Raymond P. Sands, Mr. & Mrs. Richard N. Sarns, Mr. & Mrs. Lester Satovsky, Mrs. Betty Ellen Scanlon, Mr. & Mrs. Earle V. Schirmer, Mr. & Mrs. Patrick J. Scullion, Mr. & Mrs. Lynn M. Silkworth, Mr. Kenneth Slotkowski, Mr. & Mrs. Lawson K. Smith, Mr. & Mrs. James R. Storfer, Mr. & Mrs. Frederick J. Strozeski, Mr. & Mrs. Ray E. Swindler, Mr. & Mrs. Stanley M. Taras, and Mr. A. Alfred Taubman. □

# On-campus



Michigan's top college bowling team is the LIT Blue Devils. Pictured (L to R) are (kneeling) John Kurtz, Joe Montano, Coach Dan Ottman, and Jon Putti. Standing are: Jeff Briggs, George

Sokolosky, Fred Page, and Bill Wasserberger. Not pictured is Rick Tepper.

## LIT Bowling Team first in Michigan, eighth in nation

If bowling is "a game of mechanics," then LIT's Blue Devils varsity bowling team must be master technicians because they are number one in the Michigan Intercollegiate Bowling Conference (MIBC) and ranked eighth in the nation.

LIT's team has turned the game into a science and as in any science, once the principles are known and understood, they can be manipulated.

"By altering the surface of the ball you can determine how much of the ball will contact the lane," says George Sokolosky, a senior in mechanical engineering. "The ball's surface hardness, the way the lane is oiled, and the way the ball is weighted all must be taken into consideration. For example, if the entire lane is heavily oiled then you would use a ball with a soft, porous shell

because it will grip the lane like a snow tire giving the bowler more hook. Once a bowler determines how the lane is oiled he knows how much of a curve is needed on the ball in order to hit the pocket. Half the battle is knowing how to hit the pocket, the other half is carrying all ten pins."

To be sure they have a ball for every condition, the seven-man team takes two cars to each match — one for the bowlers and one for the 33 balls they have to choose from.

"We are very serious about this," Sokolosky states. "Jon Putti, a junior in mathematics and computer science, finished fourth in the nation last year at the National All-Events Championship in Reno, Nevada. His average is 204, second in the MIBC, and he is probably considered one of the top ten collegiate bowlers in the country."

The team has a combined average of 1001. They will represent Michigan in the National Collegiate Bowling Cham-

pionship Sectional Roll-Off in the spring of '85, bowling against teams from Indiana, Kentucky, and Ohio. The team that takes the Sectionals will go on to the National Collegiate Bowling Championship.

LIT's team took first place in the Midwest Collegiate Championship Bowling Tournament held recently in Wisconsin. They competed against 49 teams from nine states and walked away with 13 trophies.

"Our goal this year is to take first place in the Sectionals," Sokolosky flashes a knowing smile. "After that, we're going all the way." □ UQM

# On-campus

## Milestones

**Appointed: Ahmad Al-Amin** has been named an admissions counselor.

A 1983 LIT construction engineering graduate, Al-Amin worked in the admissions office during his college years. He was a quality control engineer in Nigeria before joining LIT's admissions office as a counselor. Al-Amin is a member of the Engineering Society of Detroit.

**Appointed: Bruce Annett**, director of college relations and alumni services, has been named chairman of the publications committee for the Engineering Society of Detroit.

**Edits: Robert Benson**, associate professor of architecture, has been named a contributing editor of *Inland Architect* magazine.

Benson is also a 1984-85 visiting professor at the University of Michigan.

Benson writes architecture critiques for the *Detroit News* on a monthly basis and has had a number of free lance articles published in *Inland*.

*Inland*, a bimonthly publication, is the only major architecture magazine written for and about architects and architecture in the Midwest. Benson will act as the Chicago-based magazine's Michigan correspondent.

**Chosen: Gary Cocozzoli**, library director, was chosen as a representative of the College Division of the Southeastern Michigan League of Libraries. He was also named recording secretary for the Oakland County Union List of Serialists in addition to being named to the Advisory Board of Wayne State University's Division of Library Science.

**Appointed: Lewis G. Frasch** has been named an assistant professor of engineering. Frasch received a bachelor of science degree from The Ohio State University in 1972 and received a masters degree from Iowa State University in 1983. Prior to joining the faculty, Frasch was a mechanical engineer with Alden E. Stilson and Associates and an instructor at Iowa State University. He is a member of the American Society of Mechanical Engineers (ASME).

**Serves: Marianne Hipp**, cataloger, is a member of the Southeastern Michigan League of Libraries' Computers and Library Automation Committee Board. Also, she recently attended a training seminar on database searches to keep up with the demand for bibliographic searches in all areas.

**Appointed: Jacob N. Hurick** has been named an admissions counselor.

Hurick is a graduate of the University of Detroit where he received a bachelor of construction engineering degree in 1953 and

an MBA in 1962. He retired two years ago from his post as project engineer with the Wayne County Road Commission. Hurick had previously served LIT since 1979 as a lecturer in associate studies. A U.S. Army veteran, he has served as a guided missile and radar instructor. Hurick has also been an instructor at Schoolcraft College and U of D.

At LIT, Hurick is responsible for recruiting students to LIT's baccalaureate program in construction engineering and to all programs in the School for Associate Studies.

**Lectures: Harold Josephs**, P.E., associate professor of mechanical engineering, recently made presentations before both the Michigan (MSPE) and the National (NSPE) Societies of Professional Engineers.

As chairman of the student program committees for both the MSPE and the NSPE, Josephs spoke in Washington D.C. before the President's Council of the NSPE on the development of student programs for the Society on a nationwide basis. He delivered a similar speech in Lansing shortly afterward on the development of student programs for the State. Josephs is president of Kehilla Associates, Inc., an engineering consulting firm in Berkley.

**Lectures: Dr. Lucy Siu-Bik King**, associate professor of engineering, attended the International Conference on Engineering and Computer Graphics in Beijing, China. While there, King delivered a lecture on teaching Computer Aided Engineering (CAE) and Computer Aided Design (CAD) in undergraduate engineering curriculum.

King received a Ph.D. in 1972 from University of California Berkeley. She has been on the faculty since 1979.

**Published: The Dating Service**, a novel written by **Barry Knister**, assistant professor of humanities, has been bought by the Berkley Publishing Group. It will be published during the 1985-86 academic year. The thriller revolves around "the chance involvement of ordinary people with a hired assassin," according to Knister, and is set in and around the Wayne State University campus.

**Elected: Karl H. Greimel**, FAIA, dean of architecture, has been named to the Board of Directors of the Engineering Society of Detroit. Dean Greimel has been an active ESD member since 1974 and chairman of the annual Construction Awards Program since 1977. He has served on the ESD Civic Affairs Council for the past five years.

**Elected: John C. Hertel**, professor of government, environment and technology, has been elected chairman of the Wayne County Board of Commissioners. He is also vice chairman of the Huron-Clinton Metropolitan Authority.

**Appointed: Ann Liska**, DT'83, has been appointed assistant registrar at LIT. In addition to assisting Beulah Buck, registrar, Liska will serve as liaison between the Computer Center and the Registrar's Office as well as assist in preparation of new software for the ongoing computerization of the Registrar's Office. She will continue as coordinator of electronic communications and is available to administrative users of the electronic mail system for consultation.

**Appointed: Soter (Art) Liberty**, P.E., has been named assistant to the dean of the School for Associate Studies.

Liberty is responsible for LIT's industrial engineering technology program as well as the School's general studies courses. He is also responsible for student counseling, faculty selection, curriculum development, and student recruitment.

Liberty retired from Chrysler Corporation in 1980. He had been with Chrysler since 1955 and most recently held the position of manager of corporate industrial engineering systems. Liberty received a bachelor of science degree from the University of San Francisco and an M.B.A. from the University of California.

An evening instructor at Chrysler Institute, Liberty is also a member of the University of Michigan's Consortium Advisory Committee on Computer-Aided Manufacturing.

**Honored:** The Engineering Society of Detroit chose Dr. **Richard E. Marburger**, LIT president, as 1984's recipient of the Horace H. Rackham Humanitarian Award. Dr. Marburger was chosen because of the quantity and quality of his many civic and professional accomplishments. He is a past president of ESD.

**Elected: Kathleen McBroom**, interloan librarian, is the chairperson of the Michigan Library Association's (MCA) Intellectual Freedom Committee. She is also working with the MCA in compiling a directory of Michigan associations to be published in 1985. In addition, she is a member of the Southeastern Michigan League of Libraries' Committee on Organization.

**Expands: W. Thomas Munsell**, P.E., associate professor of architecture, has expanded his structural engineering firm, Munsell Associates in Northville. Recently joining the firm is **Thomas E. Zawacki**, CE'84.

**Appointed: Donald H. Nelson** has been named an instructor in engineering. A 1944 LIT graduate, Nelson is a consultant with General Dynamics in Troy. Nelson was formerly employed by Chrysler Corporation for 35 years. He is a past chairman of the board of directors of the South-Oakland YMCA.

# On-campus

**Honored:** **Gloria Rivkin**, assistant professor of mathematics and computer science, was honored by the State of Michigan Senate and the House of Representatives for her outstanding contributions to Michigan education. Before joining LIT in 1967, Rivkin taught at Detroit Institute of Technology and Oakland Community College.

**Honored:** **Sydney L. Terry**, trustee, a management consultant and former vice president for consumer responsibility at Chrysler Corporation, was the recipient of the Engineering Society of Detroit's 1984 Distinguished Service Award.

**Authors:** The Rev. Dr. **Vahan H. Tootikian**, lecturer in humanities and pastor of the Armenian Congregational Church of Greater Detroit, has contributed a scholarly essay on Armenian Protestantism to a recently published book *Hidden Histories in the United Church of Christ*, edited by Dr. Barbara Zikmund. □



## Death takes Wilson

Blanche S. Wilson, assistant director of placement until her retirement due to medical disability in July, died January 30 after a long illness.

"Mrs. Wilson's dedicated service to students making career decisions and her activities which encouraged companies to recruit on campus is sorely missed," said Dr. Richard E. Marburger, president of the College. "The entire LIT community mourns her loss and offers sympathy to her family."

Mrs. Wilson joined LIT in 1970 and was named assistant director of placement in 1979. She formerly had been associated with J. L. Hudson in sales and held clerical and technical positions with the University of Michigan and the American Agricultural Chemical Company.

She was a graduate of Dearborn High School and attended Wayne State University. She was active in her church choir. Mrs. Wilson is survived by her husband, Glen, two daughters and a son. □ *BJA*



**Student Al Vennettilli is hoping to draft his way to success in the International Skill Olympics.**

## Student seeks Olympic berth — technically

A member of the U.S. team and a 19 year old sophomore in LIT's construction engineering program, Al Vennettilli is going to Japan in 1985 to compete in the Olympics.

Uh — the International Skill Olympics — that is.

His event is machine drafting, the actual drawing of machinery or machinery parts, and his rank is number one in the United States. Competing against the top three draftsmen in the nation, Vennettilli placed first in the International Skill Olympic Trials held last October in Ohio.

As a part of the 15 member U.S. team, he will compete in Osaka, Japan against teams sent by 17 other countries next October.

The U.S. team, all competitors under 22 years of age, are members of the Vocational Industrial Clubs of America (VICA), a national organization for trade, industrial, technical, and health students. The teams will be competing for gold, silver, and bronze medals throughout the three day contest. Vennettilli reports, however, that in the past, the U.S. has not fared quite as well in the Skill Olympics as it has in the original athletic-oriented Olympic Games.

"Since 1975, the U.S. has taken only

two silver medals and one bronze," Vennettilli says reluctantly. "Korea is usually in the top spot. Last time all 31 members of their team placed," he laughs. "All 31."

The U.S.'s lack of success may be partially due to the differences in American and international techniques.

"In the U.S. Olympics, our drawing is judged by American standards but in Japan it will be judged by international standards. That involves the use of metrics, ink for drawing, and different drying techniques. There are very few companies in the U.S. that do ink."

General Dynamics in Los Angeles is one of the companies that does draw with ink. They have offered to train some of the U.S. team members and Vennettilli hopes to be one of those members.

"The training would begin in March. We would actually be working full-time for General Dynamics and they expect us to work hard so training is pretty rigorous," he says. "To be honest, if I don't go to L.A. to train, I won't have much of a chance in Japan."

He seems confident, however, about his chances of being chosen to go to L.A. Next stop — Japan. □ *UQM*



## Blythe dies

Arnold Blythe, former instructor in LIT's School for Associate Studies, passed away December 7. He was 67.

Mr. Blythe joined LIT in 1950 when the School for Associate Studies was first established. He became coordinator of the Technical Institute, as it was then known, in 1957 and remained in that position for three years. He also served as faculty advisor of the Sigma Kappa Psi fraternity and LIT's student chapter of the Society of Manufacturing Engineers. Mr. Blythe retired from LIT in August 1984.

Mr. Blythe is survived by his wife, Bernice; two sons William and Richard; and grandchildren. □

# On-campus



**Fred Zeisler, LIT's first full time visiting engineering professional.**

## Practice and Theory: new prof has new twist

Colleges of engineering often have a difficult time competing with industry in attracting qualified professionals to their ranks because industry has more to offer financially. To counter this, Lawrence Institute of Technology and Ford Motor Company have mapped out an innovative "visiting professional" agreement.

"Ford will bring us up-to-date in the electrical machinery area by sending one of their senior engineers to teach full-time for nine months at LIT," says Dr. Robert W. Ellis, dean of LIT's School of Engineering. "Ford benefits in the long run because we will provide industry with people who have strong backgrounds in that area. Plus, Ford will have a more intimate knowledge of what goes on in education, which is important since they depend on colleges and universities for a good deal of their manpower."

"Industry needs people in the electrical machinery area but most colleges and universities are not interested in that field because it isn't fashionable right now," Dr. Ellis continues. "Therefore, industry has a difficult time finding people with that background. That's one of the reasons we have developed this particular partnership."

Fred Zeisler, an engineer with Ford since 1954, is LIT's first full-time visiting professional.

"Ford knew I was interested in teaching," says Zeisler. "I've had an active 30 year career in all types of design. I was looking for a way to stay active yet slow down a bit," he pauses. "Who knows, maybe I'll be busier than ever."

Zeisler will remain on the automaker's payroll but his assignment is teaching a full class load and helping to develop the electrical machinery lab at LIT. Ford

provides Zeisler with an expense allowance and pays half of his salary. LIT pays the remainder.

"What makes this arrangement unique," says Dr. Ellis, "is that Mr. Zeisler will return to Ford after nine months so he is not interrupting his career. Also, since we are paying half of his salary it is not simply a give-away from Ford."

Another unique aspect, according to Richard Maslowski, assistant dean of engineering and chairman of LIT's electrical engineering department, is the "automotive flavor" he can give to LIT's electromechanical devices course.

"Traditionally, that course has been taught by instructors whose backgrounds are in power — utilities. The automotive flavor will be especially beneficial to those students who go into the auto industry after graduation which, naturally is quite a high percentage."

Dr. Ellis plans to continue the program through the coming years by asking companies in other areas of industry to send their professionals on enlightening assignments — at LIT. □ UQM



## Angelescu dies

Dr. Victor Angelescu, professor and former chairman of the department of humanities, passed away after suffering a cardiac arrest on March 10. He was 62.

Dr. Angelescu joined LIT in 1969 as the chairman of what was then the department of language and literature. He continued as chairman when, in 1972, that department merged with the department of social sciences to become what is today LIT's humanities department. Due to medical disability, Dr. Angelescu left LIT in the fall of 1984.

Dr. Angelescu earned three degrees from Wayne State University, including his Ph.D. in 1968. He taught at Wayne prior to joining LIT. An instrument repairman prior to entering college,

Dr. Angelescu enjoyed collecting violins. His interest in literature was awakened in college.

In a 1980 *LIT Magazine* interview, Dr. Angelescu said, "Literature gives you a chance to associate with new people and new ideas without ever leaving your chair. You can find out what and how people think and see the implications of certain actions, expanding your horizons far beyond what one could normally expect in a single lifetime."

Dr. Angelescu is survived by his wife, mother, a brother, and two sisters. □ UQM

## LIT, Schoolcraft sign agreement to ease transfer

Under the new terms of a new agreement between Lawrence Institute of Technology and Schoolcraft Community College, many Schoolcraft graduates will be able to transfer to LIT with near-junior or junior status. Dr. Richard E. Marburger, LIT president, and Dr. Richard W. McDowell, Schoolcraft president, recently signed the agreement between the two colleges.

According to Dr. Marburger, this agreement will allow Schoolcraft graduates, who have taken the required courses, to complete a bachelor of science degree in engineering, business administration, humanities, mathematics and computer science, or physics/computer science in the same length of time as students who take their full program at LIT. The agreement allows students to earn two degrees in as few as four years by providing course selection guidelines acceptable to both colleges.

Students in Schoolcraft programs who are interested in transferring are advised to consult their Schoolcraft counselor or the admissions office at LIT. LIT has also established similar cooperative programs with Oakland Community College, Macomb Community College, and Henry Ford Community College. □ UQM/BJA

# Alumni Association News

## LIT Alumni Association Bylaws

*Here's the current edition of the LIT Alumni Association By-laws. Readers may wish to clip this page for future reference.*

January, 1985

### ARTICLE I: NAME

Section 1. NAME — The name of this organization shall be "The Alumni Association of Lawrence Institute of Technology."

### ARTICLE II: PURPOSE

Section 1. PURPOSE — The purpose of the the Association shall be:

- A. To promote the general welfare of Lawrence Institute of Technology;
- B. To actively further the advancement of the College as an educational institution;
- C. To encourage active business and social relationships among members of the Alumni Association;
- D. To establish a mutually beneficial relationship between Lawrence Institute of Technology and its alumni;
- E. To be operated as an integral part of Lawrence Institute of Technology.

### ARTICLE III: MEMBERSHIP

Section 1. MEMBERSHIP — Membership in this Association shall be of three classes; active, life and honorary:

- A. Active Membership: To be an "active member" or a "member in good standing" an individual must meet the following requirements under these Bylaws: a) be either a graduate of the College, or have completed at least one half the hourly requirements for graduation at Lawrence Institute of Technology, provided that the original class has graduated and a contribution is made to the College or Alumni Association. Membership is effective for the next twelve (12) months from the date of the contribution. b) The Board of Directors may, by appropriate action, grant active membership to current graduates for the ensuing period of twelve (12) months following their graduation.
- B. Life Membership: All alumni having qualified for life membership as set forth in the original Bylaws (Article III Section 1

Paragraph B) on or before June 30, 1981 qualify as an active member for life and shall enjoy all rights and privileges without termination. After this date, life memberships will not be offered.

- C. Honorary Memberships: Those persons whose work or service is deemed, by the Association, to be worthy of recognition and whose memberships have been proposed and approved by the Board of Directors or by proper action of the Active General Membership as provided by these Bylaws. Honorary Members shall not have the right to vote or to hold office. The Board of Directors may by appropriate action grant honorary membership to recipients of an honorary degree of the College.
- D. Termination of Membership: A majority vote of the Board of Directors may disqualify a member's good standing provided there is good cause.

### Section 2. MEMBERSHIP RESTRICTIONS

—Only Association members in good standing shall be entitled to voting privileges on any Association business requiring such action or to hold any elective office or chairmanship of any committee conducting Association business.

### ARTICLE IV: FINANCE

#### Section 1. FINANCING

- A. Contributory Support — Consistent with the Articles of Incorporation.
- B. Dues (formerly Art. IV Dues): The establishment, amount, continuance and/or waiver of any authorized entrance fees, dues, or assessments shall be determined by the Board of Directors, as hereinafter provided. The only membership classes liable for dues shall be Active and Life.
- C. Assessments: Special or extra assessments may be made only with the approval of the Board of Directors and two-thirds (2/3) majority of the voting members (Active or Life) present at a regular or special meeting.
- D. Other Sources: Consistent with the Articles of Incorporation.

#### Section 2. EXPENDITURE LIMITATION

1. The Board of Directors will exercise reasonable and prudent care in the administration of the financial affairs of the Alumni Association.
2. Deficit spending or borrowing on future income is prohibited.

### ARTICLE V: OFFICERS AND DIRECTORS

Section 1. BOARD OF DIRECTORS — The Board of Directors shall consist of five (5) elected officers, and ten (10) Directors, as provided in Sections 2 and 3 of this Article.

Section 2. OFFICERS — The following elective officers shall comprise the Association's administrative section; President, Vice-President, Treasurer, Recording Secretary, and Corresponding Secretary, all of whom shall hold office two years, and whose duties shall be in accordance with Robert's Rules of Order. The foregoing officers shall hold office until their successors are elected.

Section 3. DIRECTORS — Nine (9) Directors shall be elected from the membership at large and each shall hold office for a three (3) year term. In order to have Directors' terms on a staggered basis, only three (3) shall expire and be subject

to election in each year. The immediate past President of this association shall be the tenth Director.

Section 4. VACANCIES — An Officer or Director vacancy shall be filled by appointment of the majority of the Board at a regularly scheduled meeting. Such an appointment shall be in effect until the next annual election at which time a permanent replacement shall be elected for the unexpired portion, if any, of the vacant term. A vacancy of the President of the Association shall be first offered to the Vice President before the foregoing appointment procedure applies.

Section 5. ATTENDANCE — Any Board member who is personally absent from two (2) consecutive Board meetings or three meetings in a year, will be subject to review and disposition by the Board. After such review and for good cause shown, the Board may require the member to resign. Such a resignation shall be considered as a vacancy under Section 4 of this Article.

Section 6. POWERS OF THE BOARD — The Board of Directors shall manage and administer the affairs of the Association. They shall fill any vacancy in office or on the Board until the next election. All appropriation of the funds of the Association must be made or approved by the Board of Directors. The Board shall have other powers and duties as shall be prescribed by Law, the Articles of Incorporation, Bylaws, or by appropriate action of the Association.

### ARTICLE VI: ELECTIONS OF OFFICERS AND DIRECTORS

#### Section 1. NOMINATIONS

- A. Election Committee — The Board shall appoint by March 1 of each year an election committee consisting of two (2) members of the Board and 2 members of the membership at large. This Committee shall be responsible for securing nominations for each expiring or vacant office or term.
- B. Notification — Notice of such nominations, along with ballots, together with notice of the time and place of the Annual Business Meeting shall be mailed to the members of the Association not less than four (4) weeks prior to the annual business meeting date, at which time the new officers are to be installed.
- C. Other Nominations — Any member of the Association may be nominated as a candidate for officer or director by written petition signed by at least fifteen (15) members in good standing filed with the Recording Secretary not less than six (6) weeks before the date of the election.

Section 2. ELIGIBILITY — The election committee shall assure that all nominees meet the requirements of an active or life member of this Association.

Section 3. ELECTIONS — The names of all duly nominated candidates shall be printed alphabetically upon the official ballot prepared by the Election Committee. The ballots shall be counted by the Elections Committee at the annual business meeting with at least three (3) members from the audience appointed by the President. None of those so appointed shall be candidates or members of the Board of Directors. No one on the Elections Committee who is also a candidate shall be permitted to count the ballots. All ballots received in mail and

# Alumni Association News

those from the meeting must be from active members in good standing in the Association and be counted together. The results of the election are to be announced at the Annual Business Meeting. All ballots will be retained by the chairperson of the Election Committee until the next scheduled election whereupon they shall be destroyed.

## ARTICLE VII: COMMITTEES

**Section 1. GENERAL PROVISIONS** — The Board of Directors shall determine the special committees of the Association which shall be constituted and shall define the powers and duties of such committees subject to the provisions of these Bylaws, and may, at any time dismiss or abolish any special committee so constituted.

**Section 2. APPOINTMENT OF COMMITTEES** — The President shall appoint the members of all committees and designate the chairman of each, subject to the approval of the Board of Directors. The members of all standing committees shall be appointed annually and shall continue as such members at the pleasure of the Board of Directors.

**Section 3. STANDING COMMITTEES** — The following committees shall constitute permanent standing committees:

- A. Membership
- B. Publicity
- C. Program
- D. Constitution and Bylaws
- E. Election

## ARTICLE VIII: MEETINGS

**Section 1. MEETINGS OF MEMBERS OF THE ASSOCIATION** —

- A. **ANNUAL BUSINESS MEETING** — The Annual Business Meeting of the Association shall be held during April, May, or June of each year at a time and place to be determined by the Board of Directors. The Annual Business Meeting may be combined with another alumni function. Notice of the time and place of the Annual Meeting shall be sent by mail to each member of the Association at least two (2) weeks before the day of the Annual Meeting. All Board members are expected to attend the Annual Business Meeting.
- B. **GENERAL MEMBERSHIP MEETING** — There shall be at least one (1) general membership meeting held each year which may be, in the Board's discretion, scheduled in conjunction with the Annual Business Meeting.
- C. **SPECIAL MEETINGS** — Special meetings of the Association may be called by the President or by the Board of Directors, or upon written petition to the President of at

least twenty-five (25) members. Notice in writing of the time, place and purpose of such meeting shall be mailed to each member of the Association at least five (5) days prior thereto.

- D. **QUORUM** — Twenty-five (25) members of the Association shall constitute a quorum at all meetings of the Association. Fifteen of these must be there in person and the rest may vote by proxy consistent with the procedures set forth in section 2C of this Article.

**Section 2. MEETINGS OF THE BOARD OF DIRECTORS**

- A. **Frequency** — The Board shall have a minimum of eight regularly scheduled monthly meetings between September 1 and June 30 of the following year.
- B. **SPECIAL** — Meetings may be called at any time by any four (4) members of the Board by submitting their request to the President who will then notify the other members in writing or by phone no less than two (2) days prior to the meeting. Such notice will specify the time, place and purpose of the meeting.
- C. **PROXY VOTE** — Any member of the Board of Directors may assign his vote for a specific Board meeting to the President or a designated representative. The proxy shall be so designated by filling out a suitable form to be included with the meeting notice. The proxy must be submitted to the President or the Recording Secretary of the Association prior to the opening of the meeting.
- D. **QUORUM** — Seven (7) members shall constitute a quorum necessary for the transaction of business. Four (4) persons must be present and the rest may vote by proxy.

**Section 3. ORDER OF BUSINESS** — At each meeting of the Board of Directors or Annual Business Meeting of the Association members, the order of business shall be as follows:

- a) Call for proxies;
- b) Reading of the minutes of the preceding meeting;
- c) Treasurer's report;
- d) Reports of Officers;
- e) Reports of Committees;
- f) Old business;
- g) New business;
- h) Report of Election Committee and installation of new Directors and/or Officers (at annual business meeting only).

This order may be changed by a vote of the members present except as otherwise required by the Statutes of the State of Michigan, Constitution and Bylaws of the Association. Meetings of the Association or Board shall be governed by Robert's Rules of Order for Deliberative Assemblies.

## ARTICLE IX: AMENDMENTS TO BYLAWS

**Section 1. AMENDMENTS BY THE ASSOCIATION**

— These Bylaws may be amended by a two-thirds vote of the members present at any Association membership meeting provided the proposed amendment shall be read and on record at a Board of Directors meeting at least thirty (30) days before being brought to a vote, and also the notice of same shall have been given in the notice of the meeting.

- A. **VOTING AT MEETINGS:** Upon the

consideration of any proposed amendments, amendments thereto may be offered and voted upon at the meeting (as designated above).

- B. **VOTING BY MAIL:** The Board of Directors may, in lieu of a vote at a meeting of the Association members, authorize a vote by mail upon any proposed amendment to the Bylaws. Such mail vote shall require for adoption at least two-third majority of the ballots received and such mail vote shall not be effective unless twenty-five (25) votes are cast.

**Section 2. AMENDMENTS BY THE BOARD OF DIRECTORS** — The Board of Directors shall have the power to make, amend or repeal the Bylaws of the Alumni Association by a vote of nine (9) of the elected officers and directors at any regular or special meeting of the Board, provided that notice of intention to make, amend or repeal the Bylaws, in whole or in part, shall have been mailed to each director and officer at least ten (10) days prior to the meeting or without such notice, by a vote of all members of the Board.

**Section 3. COMPLIANCE** — All amendments to these Bylaws shall comply with Federal, State or Michigan laws and the Articles of Incorporation.

**Section 4. REVIEW** — These Bylaws shall be reviewed at least every two years by the Constitution and Bylaws Committee for the purpose of considering amendments thereto.

*These bylaws incorporate all amendments adopted and in effect as of November 13, 1984. They shall replace and supersede any previous bylaws.*

# Alumni Notes

Have a new job, spouse, off-spring or other announcement for your LIT friends? Keep them informed by using the news form elsewhere in this section.

## 1933-69

**Steve M. Slaby**, ME'43, recently returned from his third trip to China. Steve is a professor of civil engineering at Princeton University. While in China, Steve participated in the International Conference on Engineering and Computer Graphics (ICECG) where he was chairman of the United States Organizing Committee of the ICECG and United States-European coordinator of the conference. The conference was held in Beijing, China in late August and Steve presented a series of lectures on Four-Dimensional Descriptive Geometry. The conference resulted in the publication of the "Proceedings of the International Conference on Engineering and Computer Graphics," a 672 page publication Steve co-edited. He is also the author of many books and papers on descriptive geometry, several of which are available in Chinese.

**Kenneth M. Boyd**, BA'49, has retired from Punch Press Repair Corp. after 37 years. Punch Press was located in Ferndale before it was sold and at the time of his retirement, Ken

was vice president and one-third owner. Ken attended LIT in 1943, served during World War II, and graduated in 1949. He also attended Highland Park Junior College, Michigan State University, Mercy College and Blue Ridge Technical College where he received a real estate diploma. Ken has built a new home in Hendersonville, NC and winters in Florida. Ken was the last president of LIT's "Compass and Square Club."

**Dean F. Mason**, EE'50, **Edward B. Chester**, EE'49, and **Robert H. Van Allen**, EE'49, and their wives rendezvoused recently at Kings Island, OH, for their seventh 5-year reunion celebration. Bob reports a good time was had by all — eating, swimming, relaxing, and catching up on the grand kids. Dean is retired. Ed is vice president of Calspan at their TN plant. Bob is an electrical superintendent for Gilbane Building Co. Such a great time was had by the trio that their next get-together will be in 1987.

**Gilbert Gatchell**, PE, ME'52, was chosen by The Construction Specifications Institute to receive the Honor Award under the category of "K-Mechanical Engineering Projects." Gil was chosen for the award for his "Project Manual for Undated Mechanical-Electrical Systems" at Blessed Sacrament Cathedral in Detroit. He received the award during the opening ceremonies of the 28th annual convention of CSI in Dallas, TX in June. Gil is president of Gatchell &

Associates, Inc., a consulting engineering firm in Farmington Hills. He is a registered professional engineer in Michigan, Illinois, Ohio, and Indiana as well as a Certified Construction Specifier (CCS) and a member of Construction Specifications Institute. Gil was chosen "Engineer of the Year" in 1982 by the Detroit Chapter of Michigan Society of Professional Engineers.

**Gerald J. Lonergan**, CivE'55, recently served as a visiting lecturer at Harvard's J.F. Kennedy School of Government as part of the Executive Scholars Program. Gerald gave a presentation on California water policy issues as well as a case study on the financial restructuring of the Metropolitan Water District of Southern California. The Metropolitan Water District, where Gerry is chief financial officer, provides water for over 13 million people in southern California. The district imports water 250 miles from the Colorado River and 500 miles from northern California. Gerry resides in San Diego.

Congratulations to **David E. Reichard**, EE'54, for his promotion to vice president of Ex-Cell-O Corp. in Troy, MI. In his new position, Dave is responsible for the international and domestic marketing for Ex-Cell-O's Machine Tool Group. He joined the company in 1959 as a control engineer and served in several engineering and sales management positions. Dave served as director, international marketing, before being named vice president. He was named World Trader of the year in 1984 by the World Trade Club of Detroit and is serving his second two-year term as chairman of the Michigan District Export Council. He is also a member of the Michigan Governor's Commission on China. Dave and his wife reside in West Bloomfield with their three children.

**Gerald E. Wixson**, CivE'57, has joined Target Products Division of Federal Mogul Corp. in Kansas City, MO. Jerry will be manager, Safetrac Systems where he will be responsible for worldwide market development of concrete pavement restoration, diamond grinding and safety grooving. Jerry is a 28 year veteran of the construction industry in Michigan and was a member of the City of Warren Planning and Urban Renewal Commission from 1959 to 1964, serving as chairman in 1963 and 1964. Jerry and his wife, Nancy reside in Lee's Summit, MO.

**W. Thomas Gray**, ME'58, has been appointed head of the industrial department in Ferris State College's School of Technology. Gray has had extensive experience with the three major auto firms, most recently as a section supervisor for Ford Motor Co. He was with Ford for over 10 years as an engineer, served as senior reliability engineer, product engineer and group leader for GM for eight years, and was with Chrysler seven years as product design and test engineer. Tom attended Michigan State prior to LIT and received a masters degree in industrial management from the

## News for Alumni Notes

Use the space below to send us news about you or your LIT friends. Tell us about honors, promotions, marriages, appointments and other activities. Moving? Send us your new address. ☐ Check here if this is a new address.

Name \_\_\_\_\_ Major and Class year \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

# Alumni Notes

University of Detroit in 1966.

**Vincent J. Schweiger**, MT'58, is employed by Northrop Corp. Ventura Division as a senior manufacturing engineer — automation specialist. Vince would like to hear from graduates working in the robotic or composite fields to exchange ideas and technology. He now resides in Camarillo, CA.

**Vern R. Gary**, PE, CivE'62, has been named a partner with Gary, Parsons & Associates, a structural engineering firm in Conroe, TX.

**Ralph E. Deshetsy**, IM'64, recently found himself the subject of a feature article in the *North Branch Gazette*. Ralph is profiled as an industrial and community leader in North Branch. He is the owner and manager of Production Threaded Parts (PTP) a North Branch-based firm that specializes in the production of finished parts from acme threaded rods. The company has been in business for more than 25 years and now enjoys a national reputation. Ralph has been a member of the North Branch Area Board of Education for twelve years and is treasurer. Ralph and his wife, Kate, along with their six children live on a 160 acre farm in North Branch.

## 1970-79

John Dziurman Associates Inc., Architects/Planners, has received the Engineering Society of Detroit's 1984 Outstanding Achievement Award for Building Design and Construction. The Rochester based firm, whose president is **John J. Dziurman**, Ar'70, received the award for its design of the St. Andrew Activities Building in Rochester. The building reflects the firm's commitment to passive solar design by using earth integration and water storage tubes to save energy. The firm also received the Detroit Chapter of The American Society of Heating, Refrigeration, and Air Conditioning Engineers' Energy Award for 1983 for the same building. John Dziurman Associates Inc. also announced their move to Romeo Road in Rochester. **Michael G. Delpup**, Ar'80, is also a member of the firm.

**John O. Savage**, IM'71, is the 1984-85 president of the Owosso Rotary Club. He is employed with First Federal of Michigan as vice president for savings operations of the Owosso Division. Other community affairs for John include Owosso-Corunna Goodfellows where he served as president and captain of the commercial division of the Shiawassee United Way. John, his wife, Sue, and their five children reside in Owosso.

The Luckman Partnership, Inc. has named **Gerhard E. Kammer**, Ar'72, director of design. Gerhard, who joined the firm in December, 1982, as senior project designer now has the

responsibility of overseeing the design of all Luckman projects. He was previously employed by Skidmore, Owings & Merrill and Rossetti Associates of Detroit. Gerhard holds a masters degree from Cranbrook Academy of Art and resides in Studio City, CA.

**Alfonas J. Paulikas**, IM'72, is a branch manager with Paine Webber in Troy. He is also a director of Henry Ford Community College. Alfonas resides in Bloomfield Hills.

**Gregory W. Waleke**, IM'72, has been admitted to the ownership of Weinstein Spira & Company, CPA's in Houston, TX. Greg resides in Houston.

Congratulations to **Paul S. Allmacher**, IM'73, for being named vice president, national account sales and services of McCullagh Leasing. In his new position at McCullagh, a control data company, Paul will be responsible for vehicle leasing and related services to large companies. He resides in Mt. Clemens.

**E. Timothy Pawl**, PE, ME'73, has been elected a director of the Inventors Council of Michigan (INCOM). INCOM is made up of inventors, entrepreneurs, business, education, and government leaders who are interested in promoting the expansion of the Michigan economy through encouragement and support of inventors and innovators. Tim Resides in West Bloomfield.

**Douglas R. Shoemaker**, Ar'73, has formed a partnership in San Francisco called RST Architects, where he is partner in charge of design. Doug and a friend are also restoring a Victorian row house in the city.

**James R. Wangler**, IM'74, has been promoted to Manager-Market Development by SCNO Barge Lines, Inc., of St. Louis, MO. Jim's expanded responsibilities include sales, pricing, and customer service of bulk exempt commodities and regulated commodities. He joined SCNO in 1982 as regional sales manager in Pittsburgh, PA. Jim now resides in Chesterfield, MO.

**Robert M. Golda**, ME'75, is employed as a senior engineer for Sperry Defense Systems in Clearwater, FL. Previously, Bob was lead mechanical engineer for an electronic warfare simulator/trainer van for NATO. He was in the Royal Navy Division in Yeovilton, England. Bob and his wife and two sons reside in St. Petersburg, FL.

**Steven W. Scarbrough**, IM'75, has been named assistant vice president of Lomas & Nettleton Financial Corp. of Dallas, TX. Steve's field is tax accounting. He resides in Plano, TX.

**Robert Cieslinski**, Ch'76, has been promoted to project leader in the instrumental methods group of the analytical laboratories of Dow Chemical. Bob is being recognized for his

broad base problem solving abilities using both microscopic and surface analysis techniques. He is an expert in electron spectroscopy for chemical analysis, profilometry, and porosimetry and has made major contributions in the characterization of catalysts, polymer surfaces, and polymer failures. The primary areas benefiting from Bob's talent include polystyrene, ABS, Sarabond, and several catalyst products.

Bob also holds a Ph.D. in analytical chemistry from the University of Arizona.

**Eugene L. Cipparone**, Ar'76, BA'78, announces the formation of the firm of Cipparone Leonard Engel & Ontai (CLEO) in San Diego, CA. The firm will handle a variety of building types with emphasis on the expanding research and development industry as well as office buildings, multi-family housing and government projects.

**Gene P. Ferrera**, Ar'78, has been named director of the Avon Township Building Department. He has been with the department since 1977, earlier working for Barton-Malow and Studios International Advertising. Gene and his wife, Cynthia, reside in Clinton Township.

**William F. Olsen**, ME'78, has been named manager of quality engineering for TRW's Steering & Suspension Division. Bill is responsible for all prelaunch quality-related activities for new products and processes. He joined TRW in 1982 and was promoted to product engineer in 1983. He is a member of SAE and ESD. Bill resides in Birmingham.

**Michael J. Sweeney**, ME'78, and his wife, Cindy, proudly announce the birth of their son Matthew Joseph on June 13, 1984. Mother and son are doing well and the new father is expecting to adjust "any month now"! Michael, Cindy, and Matthew reside in Katy, TX.

**Robert J. Buccellato**, PE, ME'79, is a licensed professional engineer in the state of Michigan. He is employed as a senior engineer with General Dynamics Land Systems Division in Troy. Bob resides in Livonia.

**Rex A. Casper**, EE'79, received an MSEE in May, 1984, from Wayne State. As an electrical engineer with the process control computer division of Detroit Edison, Rex's responsibilities include that of lead start up and system engineer on a computerized control system at the Belle River Power Plant. Rex resides in Madison Heights.

**David A. Clark**, Ar'79, BA'80, is now a registered architect in Michigan. Dave has been an architect-in-training in Midland with Dow Howell Gilmore Associates Inc. since 1980. He serves in the design department where his projects have included work on Sun Plaza in Midland, Dow Gardens visitors building, Saginaw Valley State College, and Interlochen Arts Academy. Dave resides in Bay City.



(L to R) Van Allen '49,  
Chester '49, and Mason '50

Pawl  
'73

Olsen  
'78

**Lois Grant**, Ar'79, BA'80, recently passed the architectural registration exam and is now a registered architect in Michigan. Lois is employed by Harley Ellington Pierce Yee Associates of Southfield.

**James J. Leonard**, BA'79, has been promoted to vice president-director of research for the First of Michigan Corp. in Detroit. Jim joined the corporation as a staff accountant upon graduation in 1979. He resides in Harper Woods.

**Neil D. Paoletta**, BA'79, has been promoted to tax supervisor with the accounting firm of Touche Ross & Co. in Detroit. Neil has been with the firm for five years and is a CPA. He is a candidate for a masters of science in taxation degree from Walsh College in Troy. He resides in Farmington.

**Kevin J. Veen**, Ar'79, became a registered architect licensed to practice in Michigan after passing the architectural registration exam. He is with Harley Ellington Pierce Yee Associates, an architectural, engineering and planning firm in Southfield.

## 1980-84

**Kevin D. Eidson**, Ar'80, BA'81, has wed Danene Shangle. Kevin, an architect, resides with his new bride in Freeland, MI.

**Norbert G. Giczewski, Jr.**, ME'80, married Catherine F. Judge on September 21, 1984. Norb works as a project engineer for The Budd Co. and both he and Cathy are working on MBA's at Wayne State. The couple reside in Livonia.

**David M. Horschig**, Ar'80, is representing Dow Corning Corp. as an account representative/construction specialist for the northeast section of the country. His responsibilities include sales, distribution management, and project analysis for Dow Corning's silicone construction products. David was a technical service architect for Dow Corning in Michigan. He and his wife, Jill, reside in Stanhope, NJ.

**Douglas A. Wright**, Ar'81, BA'82, is now licensed as a registered architect in Michigan. Doug has been working in Petoskey with David P. Troutman and plans to continue in the Petoskey and Saginaw areas. He resides in Saginaw.

Congratulations to **Jay E. Dupuie**, EE'82. He has been named engineering manager for Energy Management Systems at Micro-Mizer, Inc. of Royal Oak. The company manufactures computerized building automation systems. Jay was previously employed with The Budd Co. in Rochester as a designer/programmer with the stamping and frame division. He resides in Sterling Heights.

**Donna M. Little**, Ma'82, married Michael P. Kelly in October, 1984. Donna is working for IBM in Kingston, NY, where the couple resides.

**Andrew A. Meyer**, Ar'82, has joined the R.A. DeMattia Company as a member of the architectural staff. His responsibilities include the custom design and engineering of projects throughout the country. Andrew has seven years of architectural experience to bring to the Farmington Hills design/build general contracting firm. He resides in Brighton.

**Michael L. Gagnon**, CE'83, married Karen M. Wolf on August 25, 1984 in Marine City. Mike is employed by Carter/Burgess Engineering in Fort Worth, TX, where the couple resides.

**Edward M. Lash**, BA'83, has obtained his state registration and is employed by TMP Associates in Bloomfield Hills. A newlywed, he and his wife, Sharon, reside in Royal Oak.

**Victor R. Law**, CE'83, married Maria L. Tutsock on July 14, 1984. The couple honeymooned in the Virgin Islands and make their home in Hartland, MI.

**Robert M. Veitch**, Ar'83, has passed the licensing examination and is now a registered architect in the state of Michigan. Robert is a project architect for Ford Motor. He, his wife and child reside in Grosse Pointe Woods.

**Charles W. Barnes**, ME'84, has been accepted to the EEC-IV Electronic Engine Control intensive study program at Ford Motor Co. He is a product design engineer in the transmission and axle product engineering office at Ford. Charles resides in Plymouth.

**Domenic Gabrielli**, ME'84, has accepted a position as an associate product design engineer with the Hydra-matic Division of General Motors in Ypsilanti. Domenic resides in Redford Township.

Congratulations to **Vernon D. LaLone**, BA'84, who married Tina M. Stites on May 12, 1984. Vernon is employed by Stuart, Muthler, Franey, Matthews & Chantres, CPA's in Southfield. The couple reside in Royal Oak.

**John W. Paul**, ME'84, has been promoted to product design engineer in the engine engineering office of Ford Motor Co. John resides in Canton.

Southfield, MI 48075-1058.

**Leo Rush**, ME'42, of Huntington Woods.

**Raymond R. Jonassen**, EE'48, of Livonia, June 10, 1984. Upon retirement from Ford Motor Co. in 1980, where he worked for 30 years, Raymond became president of Jonatron Corp. He also studied at the graduate level at the University of Michigan. He was a member of the Society of Automotive Engineers, and the Civil Service Commission of Livonia. He is survived by his wife, Ruth, and two daughters.

**Dominic Merucci**, EE'48, of Novi.

**Del A. Kuder**, EE'51, of Fraser, March 2, 1983.

**Rev. Edward A. Johnstone**, IM'62, of Lake Orion, October 29, 1984. Rev. Johnstone was pastor of St. Mary's of the Hills Episcopal Church, a position he held for three years. Upon graduation from LIT, Edward attended Bexley Hall Theological Seminary where he received a masters in divinity. Prior to his position at St. Mary's, he served in Detroit, St. James Episcopal Church at Grosse Ile, and All Saints Episcopal Church in Warren. He was recently elected dean to the Oakland Convocation of the Episcopal Diocese and served as chaplain of the Orion Township Fire Department. Edward was recognized by peers and members of his congregation for his rebuilding efforts for the church and his "exceptional caring and ability on the Diocesan Marriage Commission." He is survived by his wife, Marj, and four daughters.

**Robert D. Wright**, ET'62, of Avon Township, October 20, 1984. Robert was Avon Township's building director, a position he held since 1971. The native of Scotland worked in municipal construction since the late 1940's and served in Ferndale, Center Line, and Troy. He was secretary of the Building Officials Conference of Michigan, and secretary-treasurer of the Southeastern Michigan Building Officials and Inspectors Association. Bob was past president of the Oakland County Building Officials Association. His civic activities included Rochester-Avon Optimists Club and the Elks Lodge of Rochester. He is survived by his wife, Joan, and two daughters.

**James P. Rudy**, IM'63, of Rochester, NY, November 10, 1982. He is survived by his wife, Marilyn.

**Robert S. Smith, Jr.**, IE'67, of Livonia, August, 1984.

**Gerald L. Kramer**, EE'69, of Union Lake, July, 1984. Gerald was employed by the Chevrolet Motor Division of General Motors and served in the U.S. Army Reserves. He was a member of Royal Oak Lodge 1523, BPOE. He is survived by a son and a daughter.

## In memoriam

*Information from this section is provided by family members, friends of the deceased, and newspaper accounts. To assure inclusion, please send notices to the Director of Alumni Services, LIT, 21000 West Ten Mile Road,*

ADDRESS CORRECTION REQUESTED



**Top:** Roger Perreault and Al Chiaverotti, IM'51, both members of Chapter 13 of the Experimental Aircraft Association, disassemble a wing flap for restoration. The plane's fuselage is in the background. **Below:** The "Spirit" was later nicknamed "Chappy" in honor of the late Randall Chapman, AeE'38. Pictured with the plane in about 1949 are George Martin, then head of the aero dept.; "Buzz" Amber, AeroE'53; Charles Vranian, ME'49; and Bill Balough.

heard it was for sale so I sent a bid for \$101. Soon thereafter, I got a call telling me that 'I owned an airplane' and journeyed down to pick it up. It was in better shape than I thought."

Stephens, a past president of Grand Rapid's Experimental Aircraft Association, stripped away the rotted fabric "skin" in preparation for bringing the plane back to airworthy condition but job and family commitments kept him from completing the project.

Members of local EAA Chapter 13 have enthusiastically picked up where Stephens left off, cleaning and repairing the intricate steel and wood framework, applying fabric, and repainting the plane in its original colors. The engine is missing, and no decision has been made yet on whether to replace it and actually make the plane flyable.

"We hope to eventually display the plane on campus in the three-story atrium of the Buell Building," says Bruce Annett, director of college relations and alumni services, who journeyed to Grandville to assess the plane with Lee Keshishian, engineering laboratory technician. Dr. Robert W. Ellis, dean of engineering, has given his approval to Keshishian to oversee the plane's restoration.

"We are seeking aircraft enthusiasts, LIT aero engineering grads, and student volunteers to restore the plane," says Annett. Readers interested in helping should call him at (313) 356-5051.

"Although LIT phased out its aero engineering program in 1953, the plane is an important part of the College's educational heritage and a fine example of the pioneering work done by early students in what were relatively new areas of interest," says Annett.

"Today's students are carrying on the tradition at LIT by exploring new technologies in such fields as robotics and computer-aided design. Past students were just as eager to be on the cutting edge of new development." □

## LIT's 'Spirit' returns: restoration help sought

**"T**he Spirit of Lawrence Tech," a twin boom pusher type midget racing plane designed and built by LIT aeronautical engineering students between 1947 and 1949, is being returned to the College nearly 40 years after its conception.

The plucky little plane, widely known by enthusiasts of experimental aircraft, was rescued and stored by its donor, Charles Stephens of Grandville, nearly 14 years ago. Lack of time and space



for him to restore the craft led Stephens to seek to return it to LIT.

"I had read about the plane years ago and had been told it was 'in pieces' at the Mississippi State University which had earlier been preparing it for experiments for NASA," Stephens says. "I

ANNETT PHOTO  
LIT COLLEGE RELATIONS ARCHIVES