# Lawrence Institute of technology Magazine

Fall/Winter 1982

Founders Day: a golden opportunity to celebrate

XXX

XXX

XXX

XXX

#### Lawrence INSTITUTE OF TECHNOLOGY Magazine

#### Fall/Winter 1982 Volume 5, No. 1

Published by the LIT Office of Public and Alumni Relations 21000 West Ten Mile Road Southfield, MI 48075 (313) 356-0200

By-lined articles express the views of the author and not necessarily either the opinions or policies of the College. Persons wishing to comment or submit manuscripts for consideration are encouraged to contact the editor.

Editor/Designer: Bruce J. Annett, Jr., director of public and alumni relations

**Contributing Editor:** Anne Cattermole-Levy, associate director of public and alumni relations

Production Assistants: Deborah A. Faes, clerical; Diane Nagelkirk, Ar'82 graphics; Ursula Marinelli, communications intern.

**College Photographer:** Walter G. Bizon, BAr'77; additional photos by Bruce Annett, Anne Cattermole-Levy, and others.



#### Notice of non-discriminatory policy as to students

Lawrence Institute of Technology admits students of any race, color, handicap, national and ethnic origin to all the rights, privileges, programs and activities generally accorded to or made available to students at the College. LIT does not discriminate on the basis of race, sex, color, handicap or national or ethnic origin in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other Collegeadministered programs.

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



page 1



page 4





page 17

#### In this issue

Δ

6

8

17

28

Founders Day! LIT's Golden Anniversary was commemorated with an afternoon of reunions with friends, games, picnics, and nostalgic return to the era of the College's founding.

page 9

How do you spell 'enjunear'? LIT's School of Engineering establishes a new laboratory to help students sell themselves — and their ideas.

**CAD/CAM can-can!** A look at an amazing new lab that will help students prepare for state-of-the-art design and manufacturing.

**Ping-Pong potentate** An LIT student 'racqueteer' looks ahead to Olympic competition.

**Reflections on China** George and Barbara Bowden relate some of the rich history, paradoxes, and differences they encountered during a recent visit to the People's Republic of China.

**Annual Giving 81-82** Annual giving sets a record! Here's a listing of the great people, corporations, and foundations who made it happen.

**On campus** Enrollment's up, a new Founders Society is formed, the Affleck House to get a facelift, and more.

Alumni Notes Advancement, moves, and other news from LIT graduates near and far.

About the cover: Hundreds of students, alumni, faculty, and staff returned to campus September 12 as LIT celebrated its Golden Anniversary Jubilee with Founders Day '82. Hot air balloon rides, games and oldfashioned amusements highlighted the afternoon commemorating the College's founding in 1932. Bizon photo.

# FOUNDERS DAY! A golden anniversary to celebrate LIT's first fifty years

The LIT Alumni Association not only "sewed up" a great Founders Day September 12, some participants even managed to work some stitch witchery on a 15-foot gash in a visiting hot air balloon.

Some 500 graduates, students, faculty, staff, and friends returned to campus to celebrate the Fiftieth Anniversary of the College's founding on the hot, balmy mid-September Sunday. Association directors and LIT's public and alumni relations staffers worked to recreate some of the happier moments of a Depression-era 1932 by planning lots of old-fashioned games and competitions, visits by 1930's-era personalities, old time movies, antique auto chases, and hot air balloon rides. Chicken dinners were served under the "big tent."

The day's only hitch occurred when a tethered hot air balloon lost a fight with a nearby 65 foot red oak tree. The balloon, which was to give rides, snagged a branch of the tree on its inaugural ascension, much to the disappointment of the crowd. However, alumni and other friendly volunteers grabbed needle and thread and within several hours the balloon was again fit for flight.

Students and staff, dressed as clowns, flappers, gangsters, the Marx Brothers, and others amused visitors as did the amazing antics of professional Laurel and Hardy impersonators Jim Mulleague and Rick Underwood. So true to form were Mulleague and Company's impressions, one visitor was heard to remark, "I thought those guys would look a lot older now."

Alumni coming the greatest distance to attend LIT's Golden Anniversary Founders Day were Ford Grant, AeroE'35, of Sedona, AZ, and Larry Vincent, EE'50, of Spartanburg, SC.  $\Box$ 

More photos on page 2

Among the 1930's-era personalities visiting campus for Founders Day were Oliver Hardy and Stan Laurel, a.k.a. Jim Mulleague and Rick Underwood.



Students from LIT's three fraternities — Alpha Sigma Phi, Phi Kappa Upsilon, and Sigma Phi Epsilon, two sororities — Chi Omega Rho and Delta Tau Sigma, the Waterford Jaycees, the Alumni Board of Directors and lots of others helped make Founders Day a success. Bottom : "Desperadoes" scurried through campus with LIT security in hot pursuit. An authentic Model A was provided by Hank Kovalsky, ME'62, while Hal McDavid captained the College's replica convertible.



**Bizon photo** 







Top: Sack races were among the oldfashioned games involving kids of all ages. Center left: Hot air balloon rides provided a needed "lift." Below, Ford Grant, AeroE'35, (in foreground) registers. He and his wife journeyed all the way from Sedona, Arizona via Alaska to attend!



C LITHA



Audrey Rudofski, standing, provides guidance to students seeking to improve their skills in LIT's Communications Lab.

# How do you spell 'enjunear'?

Changing 'tech talk' into English is goal of new LIT Communications Lab s there an engineer somewhere who has invented a car that gets 100 miles to the gallon but who can't tell anyone about it? Not if Audrey Rudofski, director of LIT's new and innovative Communications Lab for Engineers has anything to do with it.

The lab, located in the middle of the more traditional metallurgy, electronics, robotics, and computer labs, opened September 20. Funded by the William Randolph Hearst Foundation, it is a direct result of concerns of engineering faculty that their students could not speak or write adequately, as well as dissatisfaction among employers with the "average" engineer's ability to communicate.

According to Rudofski, whose own background is in English, the lab will not be a "dummy" room but rather a place where all who attend can improve their writing and verbal skills.

"We want this to be a comfortable place for our clients," states Rudofski, "an informal, non-threatening atmosphere with highly individualized attention. We're not miracle workers. Students can't expect to walk in the front door with problems and exit a few hours later "cured." However, we do expect to work hard to meet their individual needs and, in time, upgrade the quality of tomorrow's engineers."

In the lab, emphasis will be placed on the whole spectrum of technical writing, from organization through grammar — in a context that engineers can understand — their own reports and letters.

"Today's average writer would probably have been considered the poor writer of a hundred years ago," Rudofski notes, "so the communications skills of the society-at-large have deteriorated. In the lab, we won't attempt to turn out William Shakespeares. Instead, we'll be helping the engineers of tomorrow communicate with each other and the rest of the world."

The tutors in the lab, who will be working under the direction of Rudofski, are engineering students themselves. It is hoped that the "clients" will be more comfortable working with "one of their own" and that the tutors can relate the learning of communications skills to the more familiar learning of engineering theories.

"Writing is a process of thinking,"

notes one of the three tutors, Chris Michael of east Detroit. "The same logic that applies to solving an engineering problem applies to technical writing."

Students may be referred to the lab by a professor, sign up voluntarily, or just drop in. The lab is open from noon to 2 p.m. Monday through Thursday. "When students come in, we can start immediately to help them with set programs in each of the writing problem areas. We won't be administering tests or rating anyone on their abilities, and we aren't here to label students as 'underachievers,' or 'slow learners,' " Rudofski concludes. "We are here to help in an area that has been neglected too long. When we can do that, we will have made a definite contribution to our engineering graduates and the profession itself. I know of no other technical writing lab like ours; in fact, I hope we serve as an inspiration to other engineering colleges. It is an idea whose time has come."



'We're not miracle workers. Students can't expect to walk in . . . with problems and exit a few hours later cured. However, we do expect to work hard to meet their needs . . . .'

— Audrey Rudofski

Assistance in writing resumes and letters of inquiry are among the topics covered in LIT's Communications Lab. Blanche Wilson, assistant director of placement, (far right) was a recent speaker.

# CAD/CAN - Can

# A new computer lab offers students amazing capability for design and manufacturing instruction

t looks as if R2D2 should come "beeping" around the corner looking for a deadly droid, but the only things "popping around" the corner of the new CAD/CAM (computer-aided design/ computer-aided manufacturing) lab at LIT are fascinated Associate Studies students.

The new computer system, which takes up an entire room of its own, has made "state of the art," the "state of the College" at LIT. Worth over \$230,000, the entire unit was a donation from General Motors Corporation's Truck & Coach Division.

According to Dr. Richard Michel, dean of the LIT School for Associate Studies, the computer far surpasses systems available to most college students.

"We know of few colleges which are able to offer their students the opportunity to work on such up-to-date equipment," he states. "They can become well-versed on a system which — it is quite conceivable — they may be using when they graduate."

The donation of the system was the result of much "legwork" by many LIT alumni, faculty, and staff but especially Gary Budzinsky, Ma'78, and John Grden, EE'77, director of LIT's computer center. Budzinsky, who worked as a student in the center with Grden and is now with G.M., learned of the availability of the system and contacted Grden to see if LIT might be interested.

Grden spent numerous hours visiting with G.M. officials and was able to see the system in operation — luckily for LIT. When the unit was finally donated and arrived, it came in hundreds of pieces, all of which Grden



Student operators create a part design on this work station. A hard copy can be drawn on the plotter (above right). In application, the design data could alternately be fed directly into a numerical control machine for the part's actual manufacture.



John Grden, director of LIT's Computer Center (left) and Dr. Richard Michel, dean for associate studies, explain the plotter's functions to students. Any number of working drawings or prints can be created on the plotter using the terminal in the foreground or pictured below. The units are a gift of G.M. Truck and Coach.

put together.

Grden often fixes the computers in the computer room, using his electrical engineering experience, but assembling such a large unit was quite another thing.

"I'd never worked on a system like this," he notes, "and there weren't too many instructions. Still, it went together a lot easier than I thought it would and it only took me about a week, working on it in between my regular duties."

Because the unit is so "up-to-date," Dean Michel had to look outside of the College for someone to help teach both LIT students and personnel how to operate the system. Erich A. Senft, a computer-aided design specialist, was brought in to fill this need. Currently, Senft is conducting evening classes to introduce Associate Studies technology students, faculty, and data processing personnel to the various ways in which the system can be used.

"The CAD/CAM lab offers a very advanced application of computer graphics and computer-aided design," notes Senft. "It is being used today in many industries such as aerospace, architecture, chemistry, automotive electronics, and the oil industry. An aircraft manufacturer recently designed a new plane using a system like this one. On that project, CAD/CAM systems made over 20,000 drawings, enough to cover 7 acres."

LIT's "stand alone" graphic design system includes three work stations, two CRT (displays) and a digitizerplotter. The digitizer-plotter not only transfers the "on-screen" image, designed by the operator, into a "hard" copy drawing, but also has the capacity for picking up point and line data from the drawing and transferring it to the screen (CRT) and computer storage. The drawings made on the plotter table are made by using different colored pressurized ballpoint pens, automatically controlled by the computer.

"Anything that could be done manually, using old world design tools," Senft notes, "can be done with the touch of a button on this CAD/CAM system. It provides not only greater efficiency than a normal engineering design process but also better quality and more accuracy than can be achieved by the old method.

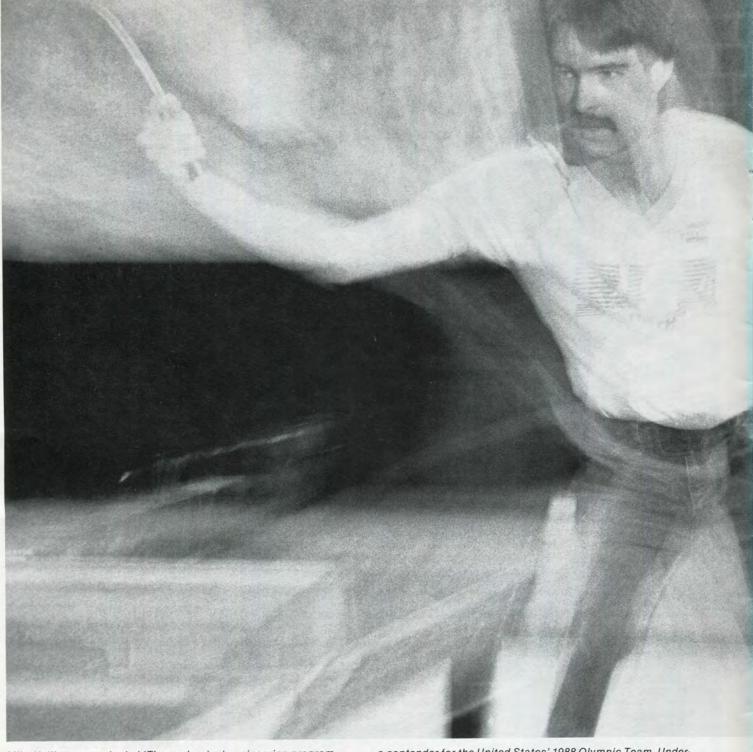
"The capabilities of the CAD/CAM systems are endless," he continues. "They can be used by artists, architects, or sign painters, as well as engineers because there is a certain flexibility in the functions they can perform. In fact, they can also take an engineering design made on the system, convert it into an N.C. tape and then immediately put in on on a numerically controlled machine to actually make the part."

There seems to be only one "drawback" to having the system at LIT.

"My biggest problem is not trying to get students," Senft laughs, "but rather how to keep them away when I open the door. The system draws people in from the halls like a magnet."

Currently, LIT's School for Associate Studies offers a new continuing education workshop in CAD/CAM technology designed for managers. The one-day course teaches initial skills to those who are now, or may be in the future, involved with these types of computer systems.

The next step will be to offer a complete course in operating the system. Students will then be able to get a much better idea of how the machine can be used in industry, once again reflecting the "real world" approach to education which LIT strives to maintain.



Mike Veillette, a senior in LIT's mechanical engineering program, has achieved international fame for his table tennis prowess and is

a contender for the United States' 1988 Olympic Team. Understandably, he's done well in LIT intramural competitions.

LIT's Mike Veillette juggles college, job, and family to pursue the sport he loves W hy do participants in LIT table playing Michael Veillette? Maybe it's because his father, a Michigan state champion and table tennis coach for the Detroit Club, has been guiding his "ping-pong potential" since Veillette was nine years old. Or, maybe it's because he has been active in international tournaments since 1971. Or, could it be because he has a good chance at ranking high enough to be sent, along with the U.S. team, to the 1988 Olympics? Lewis Moon, director of student activities at LIT, says of Veillette, "He's quite a ping-pong player. The first year he played, he won hands down, so the next year no one would sign up when they found out he was playing."

To solve the problem, Veillette has been asked, for the past few years, to "sit out" until the final match. That way players avoided being eliminated by him in the early stages of the tournament before they had a chance to play against opponents of

# **Ping-Pong potentate** possible Olympic pick

Canterbury, England and, in 1975, he was back in Europe for the Yugoslavian Open, the Scandinavian Open, and tournaments in Manchester and Middlesex, England. Mike notes that his professors have been understanding when he has missed classes to attend competitions, although he also adds that since entering LIT, he has had to somewhat limit his participation in matches. Still, he has managed to play enough to maintain his high amateur standing which is based on the type and number of tournaments attended each year.

**Competition for the top rankings** will be getting more intense, however, as table tennis has now been accepted as a Class A sport for the Olympics. In 1984, it will be run as an exhibition event and, in 1988, it will be given a regular place in the Olympic competition.

The United States Table Tennis Association (U.S.T.T.A.) will probably take the top five amateur players and two alternatives (based on national ranking) to the Olympics. Veillette currently has an overall ranking of 14 and ranks seven or eight among amateurs. He hopes to continue or better that standing right up to the time the Olympic players are chosen, making him a good bet to be chosen to represent America in the sport's debut.

And — the competition will probably be fierce in those first Olympic table tennis matches. Although table tennis is often thought of as merely a hobby, Veillette notes that, in world championships, more countries participate than in any other sport. America, though not ranked in the top ten as it is in many events, has continued to remain a formidable opponent in team play.

"America is currently ranked 17th out of 18 teams in the first division internationally but we are getting better," he adds. "Now that it has become an Olympic sport, the Olympic Association is sending many more young people overseas to play in world tournaments. This is the best way for them to improve their skills because the competition is so much tougher than in local or national tournaments."

Of course, there is still one country that is "the one to beat" in world tournaments and in the upcoming Olympics — The People's Republic of China.

"They are by far the best," Veillette (who has played them in competition) confirms. "This is probably because table tennis is their national sport. It's not unusual to see roadside tables for playing table tennis in China, much like we see baseball diamonds everywhere in this country.

"Also," he continues, "the Chinese are always developing new surfaces to use on their racquets, which seems to contribute to their winning. They are very friendly and open most of the time, but they are very secretive about the surface materials. They'll generously hand out samples of their racquets to everyone but somehow, the surface on the samples isn't quite

equal skill. Veillette gracefully obliged and then, each time, dazzled the crowd in that final bout — though he modestly notes that the matches were not always so one-sided.

Twenty-five year old Veillette is a mechanical engineering senior at LIT. He works part time for Detroit Edison as a data processor, devotes time to his family, squeezes tournaments somewhere in between it all and still manages a 3.1 grade point average.

Veillette regularly competes in national tournaments and has also traveled abroad to attend international competitions. In 1971, he was in

#### Ping-Pong (continued)

the same as that on their own racquets," he adds with a smile.

Veillette has kept himself busy in the last year, playing in several tournaments including the National Sports Festival (NSF), played in non-Olympic years. This year at the NSF, the northern team, on which Veillette played, took the silver medal for team play.

Although he has managed to keep up his ranking, even while working and going to school, Veillette's attention is now on the future —



specifically after his graduation from LIT in December. He hopes to be able to attend at least two tournaments a month, even though he will be working full time. His immediate sights are on the 1983 Pan Am games being hosted by Caracas, Venezuela.

And — not only will more tournaments take up a great deal of his non-work time and energy, but training, which is a lot harder than most people imagine, will also fill up his "spare" moments — especially if he wants to attain his Olympic dream. Although much of the training is "on-table" practice, it will also be important for Veillette to practice footwork drills, develop his swing with weights, and go through other exercises to build endurance.

"Any player should be able to go through one strenuous match without being beat," Veillette relates. "However, if you're winning in a tournament, you could be in seven or eight matches, one right after the other, so endurance



does become a factor after awhile. Your legs, arms, or entire body could tighten up if you're not physically up to the matches, and you always have to remember the strain that can be placed on your eyes — especially if there is bad lighting."

It is this type of expert training and coaching that has brought Veillette up to his current top ten amateur ranking, but there is another factor that must be considered. Veillette believes that living in the Detroit area has also helped him excel in the sport, as this is the "hotbed" of table tennis activity in the United States. U.S. Opens are often held in Detroit, attracting hundreds of spectators and hundreds of participants. In a sport where most of the expenses are handled by the players themselves, the fact that such major tournaments were close to home added to Veillette's chances for success.

Still, there have been and still are ahead, long days of training and competition with prize money, even for top winners, barely covering the cost of the travel and living expenses for the match. So, what keeps Veillette swinging? The thrill of victory? The agony of defeat? Actually it's much simpler than that.

"Love of the sport," Veillette laughs.



LIT's Capital Campaign and the opening of the Buell Building have sparked the most extensive campus improvements in LIT history



Jack Armstrong, (left) director of campus facilities, checks progress on a badly needed storage shed under construction. By using LIT students and staff, rather than outside contractors for campus improvements, costs have been reduced by two-thirds.

# **Building anew**

"K eep it in the family" was the LIT motto this summer as Jack Armstrong, director of campus facilities, and his crew accomplished what was probably the most extensive renovation of the campus in the history of the College.

"Work has been done on just about every building," reports Armstrong, "and by using students, who are exceptionally hard workers, and our own staff, we have not only supplied our own people with jobs and experience, but we have cut the skilled labor cost to about 33 percent of what it would have been had we used only outside help."

A student staff of 19, in addition to the regular campus facilities

workers, has been busy since last May renovating almost 20 percent of the campus. Outside, new landscaping and additional parking spaces needed to accommodate the increasing enrollments were finished by the start of the fall term. Inside, major alteration work is visible almost everywhere. The Architecture and Engineering Buildings in particular have been the target of "major retrofitting."

In architecture, new faculty offices have been added to alleviate office congestion that often had six or seven professors sharing the same quarters. In addition, classrooms have been refurbished or completely altered to bring them up-to-date.

A fully-equipped mini-auditorium

has replaced one ordinary classroom, allowing the School to provide another complete audiovisual/lecture facility for up to 50 people. The audiovisual resources of the entire building were also improved with special wiring for video reception being placed in all classrooms and design studios. Also, conduits leading from the Science Building to the Architecture Building carry computer cables which permit the hard-wired connection of computer terminals to the new VAX 11/780 computer.

Another major project in architecture involved the soundproofing of classrooms and studios. Previously, it was sometimes difficult to adequately conduct classes because of the noise from surrounding areas. Special acoustical tile and wall treatments have taken care of some of the problem with new dividing units also helping in studio areas where more than one class is conducted at a time.

Although Dean of Architecture Karl Greimel notes that "every piece of old furniture was used in the new facilities," it was also necessary to acquire new furnishings for some of the rooms. Most apparent are forty new tables built by Armstrong's carpentry staff, according to an original design by Gary Kecskes and Ken Livingston, assistants to the dean. The tables are specifically designed in modular units so that they can be used as separate study areas for students working on drawings or other class projects or arranged in a variety of combinations for conferences or group work.

The tables were not the only contribution that Kecskes and Livingston made to the alteration work. In keeping with the "family approach" to the campus reconstruction, both architecture staff members designed all of the plans for the building changes and worked with Armstrong's men in seeing them through to completion. They did all of this in addition to their regular administrative duties.

The Engineering Building was also undergoing major alterations this summer and work continues on projects to bring the facilities up to date with advanced labs and new equipment. Included in the planned and completed renovations are: an engineering graphics lab, power systems lab funded by the Detroit

Continued on next page

11 LIT Magazino



A new computer-aided design lab has been created in the old registrar's office.

Edison in-house campaign, electrical engineering feedback lab, antenna lab, and an expanded thermal science lab. Also finished was a new robotics lab which reflects the high technology of the future with such equipment as a Copper Weld robot and a Rhino teaching robot.

New offices have also been constructed to serve a growing faculty made necessary by the large numbers of students entering the engineering programs. Additionally, several existing classrooms and lecture halls were refurbished after having remained virtually untouched since the building opened in 1955.

One new facility, the computer-aided design lab funded by LIT graduates employed at Ford Motor Company, puts LIT far ahead of most engineering schools in the area. According to Dean Stephen R. Davis, it is one of the best equipped and most expansive of any available to students at other colleges. The tables which contain the Tektronix graphics terminals in the lab are also the result of "in-house cooperation." They were specifically designed and constructed by Armstrong's carpenters and are uniquely fitted to make the best use of the computer terminals.

"Without a doubt," Davis notes, "this is one of the nicest undergraduate engineering computer labs in the country. It allows us to offer our students first-hand experience in an area which will become more and more important in the engineering field. Without the help of our alumni at Ford, however, we could not have even attempted such a fine facility. Through their donations, we were able to completely outfit it with the latest equipment and are extremely grateful to these and all of our contributors."

The students are the ones who have benefitted the most from the engineering and architecture renovations and Greimel notes that they are extremely pleased by the improved facilities.

"I'm amazed at the comments students have made," he reports. "They seem to now have a sense of physical space and feel more like they have a 'home base' at LIT. They are, quite frankly, overwhelmed."

Although the alteration work was massive enough to keep everybody busy, there was still even more done by the LIT campus facilities staff. The students, hired by Armstrong for the summer, also played a big part in the moving of offices to the new Buell Building, saving the College an amazing amount in moving costs. The registrar's office, placement, and admissions as well as the cafeteria, bookstore, and the library all had to be re-established in their new quarters no small task by anyone's standards.

And — as if all this were not enough, the campus facilities staff also began an absolutely perfect replication of the Albert Kahn Library. The library was offered to LIT on permanent loan by the architect's associates in 1977, and includes not only books but also Kahn's office cabinetry and other accoutrements as well.

LIT's workmen, using the same floor plan and materials used to construct the original, are painstakingly duplicating the library in every detail.

Although the campus facilities staff accomplished a gargantuan task during the few short summer months, there is still a great deal left to do. The total cost of all the alteration work is expected to be \$1.5 million, according to Dr. Richard E. Marburger, LIT president, but, he notes that without the help of everyone involved at LIT, the cost could have been much higher. The renovations are being funded by LIT's Capital Campaign, Sharing in Excellence, begun in 1979 to raise \$12.5 million for campus expansion and alterations.

Still, Dr. Marburger notes, the best result of the "family approach" to the campus alterations, just might be the spirit of cooperation that has arisen from the work.

"One of the most significant features to come out of this great project," he notes, "has been the very obvious feeling of cooperation demonstrated by College staff. It is gratifying to see it in a college of this size."

LIT's old library building on Civic Center Drive is being converted to student organization and lounge areas.



# Reflections **China**

Housing and feeding its burgeoning citizenry remains a prime concern of today's China

Over one fifth of the world's people live in the People's Republic of China. Despite the fundamental differences in governmental philosophy and human rights between China and the U.S., China will figure even more prominently in world affairs, trade, economics, and g.owth in the years ahead.

"The Chinese will be a super power whether we'd like them to be or not," former President Nixon remarked after his recent visit.

Several LIT faculty members have journeyed to China since the People's Republic was opened to Western travel in the early 1970's. This past summer, George Bowden, chairman of LIT's department of construction engineering, and his wife, Barbara, visited China. Here, they reflect on some of the rich history, paradoxes, and differences they encountered in the world's most populous nation.

#### by Barbara Bowden

What China is really about is people. A fifth of the world's population lives in China, which is a country only slightly larger than the U.S., including Alaska. Most of China's population is concentrated in the eastern cities, while the more remote western areas are inhabited by nomadic herdsmen. Shanghai alone has some 12 million people, and the Chinese consider a city of 2 million

A typical vessel carrying products on the Yangtze River is a family operated "junk." They lumber up and down the river under sail, by oar, or by being towed.

George Bowden p



Curious Chinese welcome the visitors near Chongqing. Note the absence of motor vehicles.

as rather small. China is people housing and feeding them.

High rise apartment buildings are being put up at a phenomenal rate in every city and town. The only word for these buildings is "functional."

In fact, the Chinese seem to have a facility for making something new look at least fifty years old. The initial impression you have of the cities is that they are dirty. But, this is not the case at all. The cities are very clean - it is just the overwhelming drabness that conveys this impression.

The housing units in these new apartment buildings are not large and you can see at night that each room is lit by a single, stark, fluorescent tube.

Older housing often appears to be at least a hundred years old - very small, one-story windowless buildings that often have only a doorway. These are generally built around a courtyard that will contain a community tap for water. Toilet facilities are also shared in a nearby building.

The only privately owned vehicles in China are bicycles which exist in numbers beyond belief. In fact, there are bicycle parking lots in all of the cities. An attendant collects a fee, and watches over the locked bikes while the people attend to business. The city streets are often so filled with bikes and pedestrians that the

few trucks and buses on the roads find it difficult to pass.

#### Commercial vehicles seemed limited

to buses and small trucks. There is nothing at all like the large tractortrailer trucks we have on our highways. In fact, there are no roadways that could accommodate a vehicle of that kind.

Much commercial transport is still done by means of horse and wagon. These are a common sight in all of the large cities of China. Much of the produce that is brought into the free markets in the mornings comes on people's shoulders. The yoke and baskets are, indeed, one of the most common means of getting goods from place to place.

Farming is almost all manually done. Every square inch that can be cultivated, is, as feeding these masses of people is a huge problem. Rice still appears to be a staple. There are many types of noodles, vegetables, fish, beef, pork, and chicken. The average Chinese meal, however, seems to be a large bowl of rice, with only a few strips of vegetable and perhaps a bit of meat. Eggs seem to be plentiful, but milk and other dairy products are very scarce.

We started our 17 day tour in Beijing (Peking), the capitol of China.

One of the major attractions here is the Forbidden City, the former imperial palace of the Ming and Qing dynasties. Work was started in 1406 and spread over a period of 15 years. The general public was "forbidden" to enter this huge complex (hence the name) until 1925, when it was turned into a museum.

We also visited the Great Hall of the People - a very impressive structure that had been built in only 10 months time. Remember seeing pictures of former President Nixon being entertained in China by Chairman Mao in a huge dining hall? This is in the Great Hall. Ten thousand people can be entertained at a cocktail party, and around 5,000 can be fed at a sit-down dinner.

Air travel in China is interesting. We never had an "on time" flight and delays ranged from 2 to 13 hours. Many times seat belts were nonexistent or broken. On one plane, we sat near the galley, and they had an ordinary home refrigerator on board. More often than not, the plane would begin its take-off before all the passengers had gotten seated. We did take one train which was on time and, quite pleasant.

Xian, our second stop, had been the capitol of China 8,000 years ago. Here is the site of the archeological exhibition of the Qin "warriors." These are an ancient terra cotta "army" that guard the tomb of Qin Shi Huang — the emperor who unified China in 221 B.C. The burial site covers some 21 sq. miles, and it is estimated that some 8,000 clay figures guard the grave of the emperor. The site has been only partially excavated, but it is certainly an impressive sight to see.

At Chongging (Chungking) we travelled quite some distance into the countryside in order to see some Buddhist carvings that dated to the 9th and 13th centuries. These had been carved right out of the mountainside, and were marvelously well preserved, even to some of the original paint that remained on some of the huge figures. We were told that we were one of the first American groups to get to see them, as this particular area had only been opened to tourists about a year. The carvings were about a six hour bus ride out of Chongqing, and we arrived at the small village where we were to spend the night on a market day. People were coming into the village from the surrounding countryside,

bearing all manner of goods and produce for trade and sale. We are sure that many of these people had never seen Westerners before. Our presence in the town created such a stir. Our hotel and bus were soon surrounded by people who came just to stand and stare at "these strange visitors." It was an odd feeling, and we wondered what these "inscrutable Chinese" were thinking about it all.

Part of our tour was a boat trip down the Yangtze river. The quarters on the boat were small, but certainly adequate. The Yangtze is a very silty river, and all the water for bathing and drinking was taken from the river. The drinking water, of course, was boiled, but when you got down to the bottom of the thermos that contained the boiled water, there was a thick layer of silt. At one time, boats were manually towed up river, and we did see some of this going on even today.

People all over China are up early, and those in Shanghai are no exception. There is a great park along the water front, and people by the hundreds gather there at five or so in the morning, mainly for the purpose of exercise. It is quite a remarkable sight to see hundreds of people out at that hour doing their Tai Ji Quan.

I had quite a lengthy conversation

with a young man in the park, who told me of his dissatisfaction with things in China today. In spite of the news that tells us that freedom is growing in China, it certainly seemed just the opposite to us. Most workers make only about \$30 a month, and have no choice about where they work, or what type of job they might like to have. It makes no difference if you are a good worker or just an indifferent one - everyone gets the same pay. The Chinese work an 8 hour day, 6 days a week, and have only three holidays a year. That's it. In theory you do have a choice whether or not to accept an "assignment" from the government for a particular job. However, if you turn down a job offer, you will have to remain at home for at least two years before another assignment is offered. During that time, you will have no pay or "welfare" of any kind. You must rely on the largess of your family. So, practically speaking, you have no choice at all.

The average Chinese do not have the opportunity to travel. Besides the low wages, there is little time off, and people must receive governmental permission to travel. One is not allowed to move or change jobs without the

A restored section of the Great Wall of China snakes over hills near Beijing. The wall separates more than 3,000 miles of countryside but was already outmoded by the time Marco Polo visited China about 1200 A.D.

#### China (continued)

consent of the government.

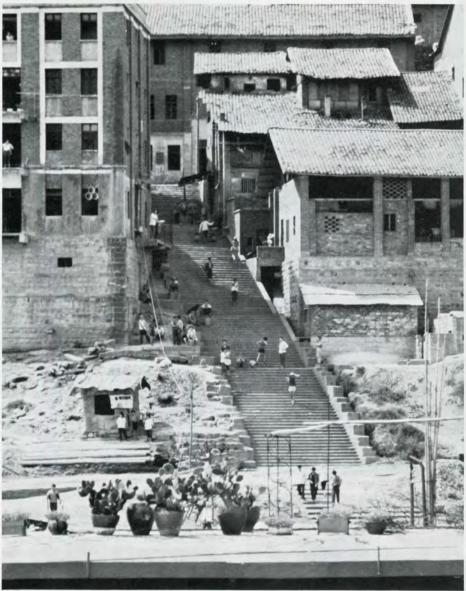
Although English is taught in many Chinese schools, there is little dissemination of information about the U.S. to the Chinese people. Whatever information they may have about our way of life is gained through magazines (which are not easy to come by) and from discussions with tourists. Shanghai was the only city where I saw newspapers for sale on a newsstand. In all other cities, the only newspapers we saw were posted on bulletin boards along the sidewalks.

We visited several factories, including a silk factory, carpet factory, and jade and ivory carving factory. All of the work is done by hand, and these places are quite small by our standards. We were able to visit a middle school that was billed as a "key" school — meaning that it was one of the top schools in the area.

It is probably unfair to try to make a judgment about a nation after spending only 17 days there, but one does become acutely aware of the problems facing the Chinese today. Much of the "catch up" in technology is the direct result of the lost years of the Cultural Revolution. However, one really wonders if the government of China is really ready or willing to come into the 20th Century, or if they are having second thoughts about it now. Perhaps it is just too difficult to keep that many people "in line" if they are allowed too many freedoms. We were told by the American consultate in Hong Kong that fewer Chinese students will be allowed to come to American colleges because they are not that interested in returning home.

After my conversation with the young man in Shanghai, I also wondered if, in a few years, tourists will have the opportunity to speak to students on the streets so freely as we did.

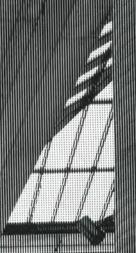
We left China with much to think about. Certainly there are things in this country that most of us complain about from time to time and would like to change. However, we came home with a strong sense and awareness that at least we have the freedom to complain, and perhaps help make changes in the government here. We in the U.S. have freedom over our destiny, and we should all be grateful for those freedoms.





**Top:** Steps down to the Yangtze River assure that this riverfront town has access at whatever level the river happens to be during its annual 200 foot rise or fall. **Bottom:** A highway outside Chongqing is jammed with individuals carrying all manner of goods to market or home.

### **(1)** Annual Giving Report for 1981-82 LOGY



Coverng theperiod July 1, 1981 Darough June 50, 1982



21000 West Ten Mile Road Southfield, Michigan 48075 Telephone (313) 356-0200

This Annual Giving Report recognizes every donor from whom a gift was Inis Annual Giving Report recognizes every upilot from whom a give was received between July 1, 1981 and June 30, 1982. We are delighted to report record levels of giving to LIT. Given the severely depressed Dear Friends: Michigan economy, this is a great tribute to the many who worked so hard on behalf of the College and to the thousands of donors who renard on benair of the correge and to the thousands of donors who re-sponded so generously. Yes, we can now say "thousands" of donors. For the first time in LIT history, the number of corporations, alumni, foundations friends and members of the "LIT family" who made with foundations, friends, and members of the "LIT family" who made gifts toundations, triends, and members of the Liftannity who made gifts exceeded two thousand. This is a wonderful record in this, our 50th year. Private contributions make the difference between an ordinary institution of higher learning and a great one. Your commitment to the excellence of this follows is a source of tremendous oncouragement to us and we chall of nigner learning and a great one. Your communent to the excertence of this College is a source of tremendous encouragement to us and we shall strive very hard to continue to merit your support. As always, we look back with pride and look forward to the challenges which As always, we look back with pride and look torward to the chailenges we are still there. Foremost, of course, is the completion of our Capital are still there. Foremost, of course, is the completion of our capital Campaign. We are determined to achieve our goal of \$12,500,000 by December 31 of this year. As we go to proce we can report that sifts and courie ampaign. we are determined to achieve our yoar or \$12,500,000 by becember 31 of this year. As we go to press, we can report that gifts and commit-Phase I, the Wayne H. Buell Management Building, is finished and is serving Phase I, the Wayne H. Buell Management Bullaring, IS Thisney and IS Serving students and staff. We have embarked on Phase II, alterations for Engineering, ments exceed \$12,100,000. Students and Start. We have embarked on Phase II, alterations for Engineer Architecture, and Associate Studies, and will move ahead soon with part of Phase III, own Compuse Affairs and Activities Conton. We look to your con-Architecture, and Associate Studies, and will move anead soon with part of Phase III, our Campus Affairs and Activities Center. We look to your continued support as we press forward with these vital parts of the College's Thank you for your strong vote of confidence. Together we are helping to enrich the lives of present and future generations of LIT students. Lichard E. Marburger Dr. Richard E. Marburger President G. Robert Harrington Master Plan. Sincerely, President

School of Architecture • School of Arts and Science • School of Management Member of the Association of Independent Colleges and Universities of Michigan School of Engineering • School for Associate Studies

Accredited by the North Central Association of Colleges and Schools

wrence

INSTITUTE OF TECHNOLOGY



LIT's new library, built through the generosity of alumni and friends.

#### **Giving Totals** (July 1, 1981 through June 30, 1982)

Donors	No. of Gifts	<b>Total Gifts</b>
Special Friends	33	\$ 253,139
Presidents Club	300	65,642
Century Club	324	44,035
General Contributors	848	29,180
Corporations	401	980,530
Corporate Matching Gifts	77	77,948
Foundations	18	687,047
Associations	12	20,795
Totals	2,013	\$2,158,316

Donors in each of the above categories are listed on the following pages of this *Annual Giving Report*. A box  $(\Box)$  following names indicates the donor also made a contribution during the previous fiscal year, 1980-81.

The Special Friends category recognizes gifts of \$1,000 or more; the Presidents Club category recognizes members of the Presidents Club who contributed during the 1981-82 giving year; the Century Club list honors individuals who gave at least \$100; and the General Contributors category recognizes all other individual gifts.

The lists which follow recognize contributions (not pledges) received between July 1, 1981 and June 30, 1982. Donors are listed only at their highest level of giving. Please report any omissions or corrections to the Office of Development.

#### **Special Friends**

Every college has a small group of special friends who exhibit strong commitment through their significant financial support. Individuals contributing at least \$1,000 to LIT during the 1981-82 giving year deserve special recognition. The following group of 33 individuals contributed a total of \$253,139.

Mr. and Mrs. Henry H. Beam Dr. and Mrs. Ben F. Bregi Mrs. Wayne H. Buell Grace A. Chamberlin Dr. and Mrs. Stephen R. Davis Mr. and Mrs. Nicholas DeMarco Mr and Mrs Edward J. Donley Arthur and Betty Fealk Bernice Fortunski G. Robert and Dorothy M. Harrington Mr. and Mrs. William D. Innes The Honorable and Mrs. Charles Kaufman Mr. and Mrs. Ernest W. Kosty 🗆 Mr. and Mrs. Stanley J. Kukawka 🗆 Mrs. E. George Lawrence

Mr. and Mrs. Carlton R. Lindell

Mr. and Mrs. A. Leon Linton Mr. and Mrs. Chester F. Mally Hans A. Matthias Dr. and Mrs. Nelson A. Miles William A. Moylan, Jr. Mr. and Mrs. Joseph B. Olivieri Mrs. Elizabeth C. Patterson Dr. and Mrs. Louis W. Petro Mr. and Mrs. Louis G. Redstone Mr. and Mrs. Lloyd E. Reuss Godfrey A. Ross Paul Sakmar Mr. and Mrs. Morris I. Sheikh Edward A. and Josephine Simon Stanley A. and Estelle Simon Mr. and Mrs. Louis J. Steigerwald Mr. and Mrs. Kurt O. Tech

#### **Presidents Club**

Members of LIT's Presidents Club continued their fine support of the College. The membership roster grew to 488 (as of June 30, 1982). A total of 300 members contributed \$65,642 during 1981-82 — an increase of \$21,995 (50 percent over the \$43,647 contributed during 1980-81).

James J. Abernethy Timothy G. Agajeenian 🗆 Andrew D. Agosta Stanley R. Allison Paul S. Allmacher George H. Amber 🗆 Paul S. Amber, P.E. David Anderson Victor and Sophie Angelescu Bruce J. Annett, Jr. Irving Appelblatt Roger C. Asman 🗆 Roger E. Avie Edward J. Baker Jim and Bobbie Baker Donald and Marge Bamford Mr. and Mrs. Albert L. Bandlow Mr. and Mrs. Nick Baracos Maxine S. Basso James T. and Nancy A. Battle Don and Jan Beattie Albert L. Bednarski Frank and Yvonne Bell Hugh and Stella Bennett Mr. and Mrs. Allan M. Bercaw Mr. and Mrs. Richard V. Bernard 🗆 Mark D. Bill William H. Bishop A. Robert and Maria Bliven Roy E. Bonnett 🗆 David G. Booth M. Thomas Braun Mr. and Mrs. Edward E. Brewer Ernest E. Brown Lawrence E. Brown Parke and Nancy Brown Cle and Beulah Buck Floyd W. Bunt 🗆 Gerard E. Burke 🗆 Mrs. William C. Burke Arthur A. Burr Robert E. Bussell Thomas M. Cairns Mr. and Mrs. John M. Campbell Richard J. Carey Mr. and Mrs. Joseph F. Carolin Patrick James Carolin Colonel Nathaniel Carr Mr. and Mrs. Ralph E. Carter Jerome J. Cislo Mr. and Mrs. Kenneth J. Cook 🗆 Vincent and Diane Cornacchia Carl W. Cowan Dr. Jerry L. Crist Walter G. Crosby, Jr.

Terry Cross Mr. and Mrs. Richard H. Cummings Emil S. and Viona Dahel Mr. and Mrs. Edward T. Darling Steven V. Darst James E. Davies Bruce A. Dean Mr. and Mrs. Robert F. Dedoe Dean V. DeGalen Louis A. DeGennaro Robert A. Dent Ashok Deshpande 
Mrs. Kathleen DeVlieg Dennis T. Dolbee Mr. and Mrs. Edmund J. Dombrowski Addie and Fred Drotar Mr. and Mrs. Gilbert H. Drutchas William A. Dryburgh Sam E. Dukes, Jr. Joseph J. Dyki George T. and Elaine M. Dzendzel Robson M. Eames Coda M. and Beryl H. Edwards Dr. John W. English Mr. and Mrs.Edward F. Falkowski 🗆 Kenneth J. Farguharson Ruth G. Favro John R. and Margaret Fawcett 🗆 David E. Fillion Mr. and Mrs. Edward J. Fillion 🗆 Dudley F. Fiscus 🗆 John F. Fisher 🗆 Michael J. Fitch Dean Fitzpatrick Michael W. Fitzpatrick John and Helen Flood Doug and Eleanor Foley A.P. Fontaine Mr. and Mrs. John Fontanesi 🗆 Joseph Forgione Lawrence T. Frank William C. Gaines Gilbert and Dorothy Gatchell Robert W. Giesey, P.C. Fay and Ann Gifford Mr. and Mrs. Lawson Gist, Jr. Peter and Grace Gossel Mr. and Mrs. Richard I. Grady James C. Graham Dean and Mrs. Karl H. Greimel 🗆 Dr. and Mrs. Perry E. Gresham 🗆 Jim and Dinah Hadfield David S. Hamburger

Floyd W. Hansen The Stanley F. Harris Family 🗆 Homer T. Harrison Donald L. Harshman Alvin Hart Walter T. Hartung 
Mr. and Mrs. Russell B. Hebert
Robert T. Heck William J. Helmore Sonia and Marvin Henckel Stanley Hewett 
ArDath Lynette Holmes 
Mr. and Mrs. Henry B. Horldt Emmett and Virginia Horton Alexander Hossack David Hoyle Dr. and Mrs. John D. Hromi Melburn E. and Ruth L. Huebner Wendelin and Mary Hughes William W. Ironside Frank and Valerie James 🗆 Norbert T. Jankowski Melvin L. Janney 🗆 Emil J. Jaworowski 🗆 Henry C. Jones William P.H. Jones Joe and Beverly Kado Mr. and Mrs. Henry A. Kafarski Dennis R. Kapp Arthur and Betty Kelley Keith and Mary Kesling Mr. and Mrs. Wayne J. Kippola Lee K. Kirkpatrick E. John Knapp E. John Knapp Mr. and Mrs. Douglass V. Koch Victor and Carolyn Kochajda Elmer E. and Phyllis A. Koenig Mr. and Mrs. Jack L. Korb Mr. and Mrs. Stanley Korenkiewicz Conrad W. Koski Henry Kovalsky Richard C. Kowalske Edward Kristofik, Jr. Roland and Dorothy Krupp Robert and Rose Kuhnert Roy G. LaGrant Lee and Julie Lahr Henry J. LaMotte 
Zack J. and Modelle C. Lee Robert W. Lemon Harry H. Lipton Marlyn K. and Phyllis I. Lisk Mr. and Mrs. Kenneth M. Livingston David J. Logan George N. Lounsbery Sam Lovalenti Dr. George W. Mach Mr. and Mrs. Ernest L. Maier Joseph Maiuri William E. Makuch George and Kate Malcolm Ralph E. Maly Dennis R. Marburger 🗆 Kathryn Mary Marburger 
Dr. and Mrs. Richard E. Marburger Roger E. Marce Zaven and Gladys Margosian Mr. and Mrs. Joseph J. Markus Etienne F. Masalskis Thomas and Christine Masson 🗆 Richard E. Maund Peter E. McAlpine Peter Y. McAlpine Mary Jane and Calvin McClellan Henry L. McColl 
Walter F. McCoskey F. Hal McDavid Mr. and Mrs. Francis F. McFall Robert W. Mead Lucy Q. and Bernard J. Merritt Robert F. Mettler Richard and Martha Michel Mr. and Mrs. Theodore Milek Mr. and Mrs. David T. Mills Gretchen Minnhaar Mr. and Mrs. Michael L. Mitchell Marvin and Carol Muckenfuss Dr. and Mrs. Richard A. Murie Anderson R. Mylenek Mr. and Mrs. Henry W. Nace Mark L. and Patricia F. Nagel Thomas J. Nashlen J. Richard Newman

Russell R. Noble Mr. and Mrs. Frank E. Noggle James R. Obranovic Thomas F. O'Connor Mr. and Mrs. Robert C. Ofenstein Earl G. Ogger Mr. and Mrs. Calvin F. Opperthauser Orval A. Opperthauser Harry H. Oyafuso Edward S. Papelian Robert and Carol Parker Gerald G. Peck Dr. Earl W. Pellerin, F.A.I.A. Ralph R. Pence Dante V. Peroni James A. Pershon Charles H. Petross Mrs. Clarence A. Phillips Guy D. Pierce James A. Piziali 
Mr. and Mrs. Bruce R. Polkinghorne Mrs. John Popovich Alvin R. Prevost 🗆 Robert W. Proctor Theodore T. Racchi Dale H. Raffler Ronald L. Rainson Marilyn Rands Charles A. Rasko Robert Rudolf Reiner Edward and Vicki Repik, II 🗆 Jesse W. Richards Vernon E. Riddell Dr. and Mrs. Fredric Rivkin Philip and Laura Rizzo Gary G. Robertson William A. Rosso Douglas and Elizabeth Rouse Anthony S. Ryff Mr. and Mrs. Joseph F. Savin 🗆 Wilford J. Schaldenbrand Charles W. Schwartz Ralph L. Schwarz John Sebu Hank and Toni Selewonik 🗆 Richard C. Sharp Huston E. Sherrill Wayne S. Shintaku Roger F. Shtogrin Mr. and Mrs. David W. Sickels Steve Sobak Jacob J. Sokolowski 🗆 Manuel Spinner | Austin and Betty Stanzel | Richard J. Stark | Russell H. Starks | Russell F. Stem James P. Stewart Ely Tama Mr. and Mrs. Henry J. Tamagne Mr. and Mrs. Elvin A. Taylor Philip W. Taylor Tony and Lois Tomac 🗆 LaVerne A. Tratechaud 🗆 Mr. and Mrs. James O. Trew Michael P. Ugorcak, Jr. Mr. and Mrs. Raymond L. Urban Gary and Eleanor Vance Henry Vanderzee, Jr. Gary and Charlotte Van Neck George M. Van Norman Mr. and Mrs. Lewis C. Veraldi Maurice and Jean Vermeulen Robert Lewis Voiers Gregory W. Waleke Mr. and Mrs. John F. Watton William H. Warfield James B. Webster, III Howard E. Whitston Karl W. Whitston 🗆 Thomas and Elizabeth Wieszkowiak Robert and Arlene Williams Allan J. Winkeljohn 🗆 Edward Joseph Wloszek, Jr. Mark R. Wolosiewicz Charles and Alice Wyte Robert D. Young Ronald W. Zahm Robert F. Zokas Michael G. Zulinski C. Lee Zwally Andrew Zywotko 🗆

#### **Century Club**

LIT's Century Club recognizes gifts of at least \$100. This Club was introduced January 1, 1982 — mid-way through the 1981-82 giving year — and met with immediate success. A total of 324 Century Club members contributed \$44,035.

Alfred Alesi Alvin W. Alexandrowicz William S. Allen Robert I. Anderson 🗆 John Antos Bernard Appelblatt Stanley W. April 🗆 Jimmie H. Apsey Jack Armstrong Edwyn Thomas Arnold Charles Vernon Awe Stephen L. Babcock Carl E. Ballard Joseph G. Balogh J. T. Barnes Arthur E. Bates, Jr. Richard Baugh Michael D. Baxter Raymond W. Berta 🗆 Bert B. Beveridge Linda Christine Blackwell Mr. and Mrs. James B. Blandford 🗆 Earl W. Blohm Marshall S. Bloom Mr. and Mrs. Arnold J. Blythe Robert R. Boehle Edward Boettner Alexander V. Bogaerts Eugene R. Bosetti George F. Bowden Thomas S. Brisbey Kendall Brooks Ian A. Brownlie Duane G. Buck 🗆 Leroy F. Bullock Carlyle G. Burland, Jr. William F. Butts Eugene Charles Cagnon Arthur P. Cameron Allen Keith Carpenter Mr. and Mrs. Lawrence P. Casai Edward O. Cascardo Anne Cattermole-Levy Calvin M. Chamberlin Mr. and Mrs. Robert D. Champlin Frank Chikos Casimir Chrabaszewski John C. Chrisman Veral E. Christensen Mr. and Mrs. Robert D. Chute 🗆 Fred A. Ciampa Wayne W. Clinger 🗆 William J. Coatsworth 🗆 Wayne Cochran 
S. Donald Cockburn 
Gary R. Cocozzoli Earl W. Coger, Jr. Mrs. Frederick Colombo John J. Connors John T. Corbett George A. Cousins Lee E. Cromwell Harold J. Crutchfield Mr. and Mrs. Gerald Cuper Paul B. Dailey Paul A. Daniel Michael Danilowicz Mr. & Mrs. Marvin I. Danto Alan J. Daschke Mr. and Mrs. Wilson Daugherty Stanley C. Dawson Mr. and Mrs. Frank de Hesselle Joseph M. Deinek, Jr. Rudy DeMumbrum Mrs. Donald H. Dent Daniel F. DeRemer Robert D. Dezur 🗆 Robert J. Dika Herman Dishman, Jr. 🗆 Alfred L. Doherty Victor K. Dorer, Jr. Bernard K. Drane Mark L. Duane Wayne R. Dula Joseph R. Dunn, Jr. 🗆 Paul J. Epsha Paul N. Erickson Alex J. Etkin Chris R. Falco Robert A. Faron Otto H. Fauth

Steven G. Firavich Robert J. Ford James A. Fowler Stanley P. Franczak L. M. Freidinger Eldon C. Frevik John A. Furchak 
Mr. and Mrs. Ronald D. Gallesero William A. Garvey Anthony C. Gholz, Jr. Nadine E. Gibbs Richard C. Glowacki Florian Martin Golia Eugene Goodrich David W. Gorman John Goulasarian Richard A. Grimm Marvin R. Groh John F. Gulau John A. Haapala Robert W. Haberstroh 🗆 Paul Haboian Richard J. Hackman, O.D. Nels L. Hansen Mr. and Mrs. Robert D. Hatch Gerald E. Hatcher Dennis L. Hautau Fred T. Hebenstreit Kenneth C. Hein Tommy E. Henderson Dean W. Hill Mr. and Mrs. James L. Hodges Mr. and Mrs. James L. I William W. Hodges Mrs. Elizabeth Hood Christopher Horton George M. Howard Jerry K. Hubbell David R. Hubbs Ronald Huizenga Douglas W. Hunter Mr. and Mrs. Lloyd G. Hunter 🗆 Donald Hurd John F. Hurley John D. Janisse Gary Jelin 🗆 Glen S. Johnstone 🗆 Robert Powell Jones Thomas B. Jones Mr. and Mrs. Gary A. Joppich Randall L. Kamischke Carl M. Kaniowski Steve Kastner Charles F. Kellner 
James H. Kelly 
Mr. and Mrs. Timothy R. Kennedy Mr. and Mrs. Richard W. Kent Mr. and Mrs. Semon E. Knudsen Aloysius J. Kochanski Alexander M. Koleba Mr. and Mrs Frank Koltuniak George W. Kommick Donald W. Kosnik G. Thomas Kozlow Walter J. Kraimer Peter J. Kuchta Andrew Kuzdak, Jr. Chester A. Kus Lawrence J. Lacey Robert Lachner William LaQosh 🗆 Glenn Laing John W. Laister Lee E. Landes Jeffrey D. Laswell Cornell J. Lazar Lawrence A. Lenski 🗆 Nancy J. Leonard Harrison A. Levy Eric A. Lewis Mr. and Mrs. Samuel F. Lewis 🗆 Herbert A. Libkie Oscar F. Lichner Harold Linton Richard J. Lipinski 🗆 Rosendo Lomas Joseph M. Lopez Dennis R. Lucht Robert F. Luppino 🗆 Stephen A. Lutz Dennis MacRae Barbara Malinowski 🗆



LIT's Wayne H. Buell Building, dedicated in May, 1982, houses the School of Management and the College library, dining room, bookstore, and several administrative offices.

Gene Manis David G. Markus 🗆 Linda Marsh Robert M. Martin 🗆 Richard S. Maslowski Mr. & Mrs. Frederick C. Matthaei Anthony Mazur Deborah L. McBurnett James L. McBurney Charles L. McCarthy William E. McLean Michael D. McLennan Lynn McNaught 
Thomas H. McNichol Terry L. Measel Denis G. Medwick 🗆 W. L. Melton, Jr. Mr. and Mrs. Michael J. Merscher 🗆 Stephen K. Messenger Ralph W. Michelson Dr. and Mrs. John E. Miller Mr. & Mrs. Philip V. Mohan Leslie Mollon John Moody Dr. & Mrs. Robert N. Morales David C. Morrison Norman M. Morrison Joseph E. Muccioli Barbara K. Mueller William Mullaly Kevin B. Munns W. Thomas Munsell Charles A. Murray Erwin Mutnick Mrs. Margaret D. Neal 🗆 Mr. & Mrs. Harry J. Nederlander

Julius Neidert Theron E. Neir Richard L. Ogletree Mr. and Mrs. Fred Olmstead Jack W. Olmstead 
Donald R. Ostler Mitchell S. Ostrowski Bruce G. Overbey, II Neville M. Pack Donald Payne William K. Pence Frank J. Penoza 🗆 Robert H. Peoples Douglas B. Polkinghorne Robert M. Proszkowski Francis C. Przybysz Charles R. Radcliffe Albert W. Ratush Antonio C. Rea Robert Rebeschini 
Gerald W. Rein Bodo Reinholz E. David Reitzel Robert A. Roggenbuck Stanley F. Roman Frederick J. Rosiak Charles Ruppenthal Donald O. Rusfeldt James P. Ryan Thomas E. Ryszka Harry Sakjas 
Mr. and Mrs. Raymond P. Sands Mr. and Mrs. Roy W. Schenkel Earle V. Schirmer Josef J. Schraner

A. Warren Schultz Dr. Martin Sclar David Scroggie Kenneth Segel Mark S. Sellers Thomas E. Seltz 🗆 Betty-Lee Seydler-Sweatt Charles T. Shedd William T. Sheppard 🗆 Peter L. Sherrick Mr. and Mrs. Victor Shrem Harry Siegel Lynn M. Silkworth Gilbert B. Silverman Thomas W. Simpson Susan A. Skupinski 🗆 Kenneth G. Slotkowski 🗆 Edward R. Smith Lawson K. Smith Mr. and Mrs. Greg Snyder Ronald W. Sobson Robert S. Solgan Michael A. Solomon Chris J. Spaseff Richard M. Srodawa Daniel J. Stackpoole James M. Steimel Winford Stell Mr. & Mrs. Paul Stenberg Carl Stieler John O. Stock 🗆 Mr. and Mrs. Roy J. Strickfaden James M. Strzyzewski 🗆 Larry E. Sundgren James S. Svenson

Michael J. Sweeney Ray Swindler Eugene Tann Angelo Tata Eugene H. Tauriainen 🗆 Jon D. Tincher Dr. & Mrs. Thomas S. Torgerson David C. Travis Robert W. Turrel Gary P. Valentino Gregory Papp Vance Thomas J. Varga Clarence I. Vellner Thomas A. Venettis Stanislaus Wajda John B. Wallace David A. Ware James A. Waschewski James C. Watkins Robert W. Watson 🗆 Kevin E. Webb Joseph F. Wenzl 🗆 Paul D. Wicker Dorothy Wilamowski Gerald A. Wilk 🗆 Willie Wolf Jack C. Wong Ivan D. Woodhull, Jr. Richard A. Yee Howard E. Yek 🗆 Robert K. Young 🗆 **Ray Zemens** 

#### **General Contributors**

Nearly half of our contributors are found in the General Contributors category. Gifts from this growing number of alumni and friends are essential to support a broad range of College needs. Since the *Annual Giving Report* acknowledges donors only at their highest level of giving, the following roll does not include Special Friends, Presidents Club members, or Century Club members.

Harold E. Abbott James A. Abraham 🗆 Daniel Agnello Walter F. Ahles 🗆 Tirath S. Ahluwalia 🗆 Robert Aiken Jeane H. Allyn Robert D. Alonzo 🗆 Raymond E. Altmann Peter M. Amatangelo Richard C. Anderson Mrs. Frances A. Annett Robert L. Anthony Michael A. Antushevich 🗆 James F. Arnold James R. Arnold 🗆 Larry D. Arnold Thomas J. Artushin Johnny D. Austin Paul E. Bachelor Frederick A. Bachl Kenneth C. Bakhaus 🗆 James H. Balcom Frank W. Balog George C. Balos Randi S. Baltz Paul M. Banaszak Joseph A. Baran, Jr. Robert Bartnicki William Bartolemeo 🗆 Carl D. Bartone John A. Bauman Janine M. Bay Margaret A. & Thomas Beauchamp Jerry G. Beck Jack Beckman Harold B. Bell 🗆 Dale J. Belsley 🗆 Kenneth E. Bennett, Jr. 🗆 Abraham A. Berman Donald Bertuzzi David L. Bessie Richard W. Bezerko Thomas M. Bialek Alfred Bieman James J. Biezki Paul J. Billock Gregory Bilpuch Gerard W. Bilski Carl R. Binkley Alexander Bireescu 🗆 Lewis A. Bishop 🗆 Edward E. Bisson 🗆 Mr. and Mrs. Walter G. Bizon 🗆 Neil Biornson Robert A. Black (in memory of James Eric Black) Michael J. Blasko Leonard Boger David Boldia Frank E. Boley Frederick Bond, Jr. Thaddeus Bonkowski 🗆 Bradley A. Borkowski Ronald A. Borow Richard R. Borowski Donald C. Bosker Adrian A. Boswell Paul R. Boulanger Burnell Bowman Michael R. Bown Larry S. Boyd William J. Boyd Michael A. Brand Robert O. Brandau 🗆 Steven T. Branstner Vincent C. Braun Thomas S. Brennan Allen Breyer David J. Brick Jacquelyn M. Briskey Waine T. Brock Thomas G. Broders Charles A. Bromm Jeffrey Lee Brown John L. Brown Robert B. Brown

Mark. W. Bublitz William C. Bubniak Robert J. Buccellato Arthur E. Buck James J. Budzynowski 🗆 Robert P. Budzynski Byron W. Buell Thomas B. Buhler Kathleen N. Burek Norman R. Burkhardt Thomas H. Burks Mrs. Margaret M. Busche William J. Butler Daniel J. Byers John Bylund William W. Cairns 🗆 Michael A. Cairo Dennis A. Calcaterra Donald M. Callihan Louis E. Calvin Arnold T. Campbell John E. Campbell William J. Cantargis Gene R. Capilla Edward L. Carey Alfred J. Carmody James A. Carney Timothy L. Carney Mr. and Mrs. James W. Carpenter 🗆 Donald L. Carriere Frank G. Casenhiser Eugene R. Cates LeRoy Caudill James C. Cerano Ralph W. Chace Norman Chaloult Dennis E. Chapman 🗆 Gregory Chase Steven Chegash Clarence Cheney William J. Cherfoli Aldo Chiaverotti 🗆 Thomas D. Chimner 🗆 William Chirota Gary Chrzanowski Richard Cichoski David V. Cieglo Anthony Ciesielski Timothy J. Ciranni Robert A. Ciupak Keith A. Clapp Dorothy H. Clark 🗆 Patrick Clemens Mrs. Patrick Cogan Francis E. Cogsdill Irving H. Cohen Robert V. Collins Gerald J. Comptois Robert S. Conell Dr. Ronald J. Conklin Mr. and Mrs. Joseph P Considine Gregory L. Converse Joseph R. Cook, Jr. Gary J. Cornillaud William E. Cosman 🗆 Mr. and Mrs. Roy C. Crane Daniel H. Craw Gary W. Crawford Howard J. Crawford William B. Crawford George H. Cromwell Robert R. Cronan 🗆 Donna Crosier William T. Cruickshank 🗆 John L. Currie Christopher K. Cwiek 🗆 Kenneth N. Czapski 🗆 Peter A. Czech John Czelusniak Richard F. Czubaj 🗆 Sam Dabich Donelda M. Dahline Philip Daigle Gerald P. Dailey John G. Daly Wendell R. Dance

Keith M. Danielson Robert Dancey John P. Danckaert Richard A. Darbyshire Robert A. Darbyshire Leon F. Darga, Jr. Joel Dennis Daskal 🗆 Charles W. Davis Eugene E. DeBoer Gregory J. Dechko Michael T. DeClercq Albert Deidrich Darrell A. Deluge Donald V. Denomme, Jr. Gino DePalma Glenn P. DeSimone Bruce Detmers Sam Dennis DiCello Anthony DiCicco, Jr. 🗆 Gene D.Dickirson Emeral L. Dietz Lawrence N. Diggs Miles DiGiovanni Albert W. Dinkfelt 🗆 Metin Dogu William F. Dolunt Stanley Doss Lawrence F. Dow James A. Downey Edward L. Doyle Mr. and Mrs. Thomas J. Dragon Steven J. Drake Thomas E. Draplin Frank J. Dres Albert N. Dubay Michael P. Duhonich Dennis J. Dureno Stanley Dyrdul, Jr. Robert J. Dzenko 🗆 Raymond Dziadzio 🗆 John Dziurman Donald D. Eagle Edward M. Eberhart, Jr. Ronald Edgerton Loren R. Egger Joseph L. Ellinger James S. Ellis William A. Elmer Charles M. Elmore Philip H. Emrich Eugene L. Engelhard Marlin A. Esau Edward A. Etchen 🗆 Stuart G. Evans Clark W. Ewing John & Debbie Faes James K. Fairchild 🗆 Nicholas A. Falcone Denis Edward Falkowski Alfred S. Farber H. Robert Farrah Thomas L. Farrar Gregg Fedoroff Wallace Fee, Jr Edmund Ferasin 🗆 **Donald Fergle** A. Kerry Ferguson Alfonso Figueroa Paul J. Fitzpatrick G. Donald Fleming Frederick Flynn, G.P. 🗆 William C. Follmer George E. Ford Mr. and Mrs. Leonard A. Forrest William J. Foss Keith A. Fox Lawrence D. Francek Thomas J. Franks Louis J. Frasson Charles R. Frederick Donald L. Freed Arthur Fritz James J. Fullerton Robert E. Furmaga 🗆 Mr. and Mrs. Gary Gabel 🗆 David W. Gaden Derrick Galunas Thomas P. Gamache John W. Gardner Robert W. Gardner Dennis J. Gargano James A. Gariepy James C. Garrison Robert A. Gauchey John M. Gavasso Edward F. Gawronski 🗆 Jack G. Gearhart Theodore J. Gebauer William A. Gelgota Donald A. Gellish James M. Gendron

Gerald C. Genrich Michael A. Gentry J. Michael George David Geragosian 🗆 Kevin T. Geralds Donald W. Gerber Frank B. Gessler Tommy G. Ghant James Giachino 🗆 Richard Gibbons Harold J. Gibson James E. Gibson Albert G. Giera Richard A. Giles Robert J. Gilmer Peter C. Giudici, Jr. 🗆 Richard & Terri Glowacki 🗆 Edward Glowniak, Jr. Harry J. Gohl, Jr. Ross Jay Goldman George H. Goldstone 🗆 Raymond Golota Philip C. Good John Goodwin Christopher J. Goudreau Thomas J. Gracher George Gravila Blake G. Green Glen G. Greene Ralph W. Griffin Delmar C. Grimes John W. Grindrod 🗆 George F. Grohs Jerome V. Gross Richard K. Gross Norman J. Grudell John Gryszkiewicz Harold J. Guenther Robert E. Guenther Louis J. Guerreso Barbara A. Gunter Henry F. Guthard Thomas R. Hadjimarkos Robert C. Hagemann Roderic E. Hahnemann John R. Halberda Richard A. Hale Mr. and Mrs. C. Richard Hall Mark B. Hall Cortney R. Halmi Carl A. Hammack Michael Lee Hammond James Happ James Happ Edward Harp Mrs. Milton G. Harris Clarence E. Harrison, Jr. Irvin Tom Hartwig A. James Harvener Lane A. Hautau John C. Hawman Martin W. Hayes Steven W. Heaton Randall Hebestreit 🗆 Donald W. Hein C Hanan C. Heller John W. Helsom Sandra L. Hemmingsen 🗆 Howard A. Hendricks Robert T. Herdegen, Jr. Wesley C. Herkimer Steve Herridge Vincent J. Herter Janet E. Hildebrand Keith Paul Hill Donald W. Hlavaty Arthur J. Hnizdil Dennis D. Hock Janet N. Hodges Harry D. Hodgson Stanley Hodur Thomas G. Hoger Joseph H. Holland Joseph P. Hommel John W. Honkala Sam G. Horton James E. Horvath Harlan Houghtby Paul D. Howard William F. Howard Thomas M. Howell Philip J. Huber Jesse Hunt Robert E. Hunter Richard Huntley Angelo Iaconelli Irek F. Imirowicz 🗆 John Ingrody Mr. and Mrs. William S. Innes James M. Irvine James M. Irwin

Michael W. Jackson

Richard P. Jackson Jimmie James James E. Jaseck Timothy J. Jeffrey Donald Jewsbury Richard Eric Johnson Robert W. Johnson David H. Jones 🗆 William O.Jones Richard E. Jositas Jack W. Joynt Tsutomu Kakiuchi Marvin W. Kalina Edward M. Kalist Robert L. Kamphaus Edward Karamanian Denis W. Kasten Thomas A. Katona James O. Kator Paul R. Kaucher Joseph Kaye Gary A. Kecskes Peter Kelber 
James C. Kelchner Mark Allen Kelly Roland V. Kelly Robert G. Kern Hubert Kerschbaum Arek Khachaturian Raymond R. Khan Gary A. Kieltyka Mr. and Mrs. Paul F. Kinder Michael King Richard J. Kirsammer Lawrence E. Kiselis Andrew J. Klapp Frank J. Klupacs Michael D. Knisely Kenneth J. Knott Gerald Kobernik Charles F. Kocher James Kohler Leon H. Kohls Mr. and Mrs. Stanley Korenkiewicz Mark A. Korody Mahendrakumar C. Kothari Joseph G. Kotlarek Charles A. Koury Joseph F. Kowal Edward Korvach Donald L. Kramer David R. Krause Garret K. Krishan 🗆 Gaylord A. Kron Edward O. Krueger, Jr. Theodore Krupa Edward F. Kubit Douglas Kueffner Abe Kutlov LIT Alumni Association 🗆 LIT Bookstore Staff LIT Library Staff LIT Registrar's Office Staff LIT School of Arts & Science Staff Henry R. L'Esperance Thomas G. Ladoski John J. LaFlamme Mr. & Mrs. Kenneth G.C. Larkins Louis J. Lambert 🗆 Dennis Langkam 🗆 Richard L. Lapinski 🗆 Eugene C. Lapko 🗆 Charles R. Lautz Thomas J. La Vere Michael B. LeBlanc Donald K. Ledford William H. Lee Kenneth Lehto Frank M. Levy Thomas L. Lewis Juliana C. LeZotte 🗆 Thomas A. Link Mr. and Mrs. Robert Liska Mr. and Mrs. David L. Littmann Stanley S. Litwa Douglas J. Lloyd Mark Logan Mark R. Lohrer Armand Loiselle Ralph H. Long Alfred L. Lopez Richard E. Lundgren John E. Lundquist James C. Lusko David J. MacFarlane Steven A. Machno Leo D. Mack Charles F. Maddox Lewis R. Mahaffey Manuel Mahoma Timothy Mahoney

George Z. Mahr Harold A. Mai Walter A. Maisner walter A. Maisner Richard F. Majkowski Stanley O. Malewski Henry J. Malik, Jr. Rick Mansour Nick Marinelli Dana M. Markey Albert Marnon Derek W. Marshall Gerald E. Martin Carlo Martina John A. Martino 🗆 Walter Martynow Matthew Mashikian Anthony M. Matelski Judith A. Maten Joseph S. Matusz John A. Mayott Ernest R. McCamman Jack C. McClellan Donald J. McCluskey Larry McCollister Richard D. McCormack Charles E. McCulloch Frederick W. McGuire 
Donald L. McInnes
Paul J. McKeough
Allan McLellan Nancy G. McLellan Ruth P. McLennan Walter W. McNeil Walter W. Mchell D Patrick M. McPhail Kurt J. Meador Michael L. Medici Ward L. Meeker D Philip M. Menendez D John G. Meyer Thomas M. Mezza Samuel E. Michael 🗆 John C. Midle Kenneth F. Migda Ronald C. Milbauer Lawrence J. Millen Blaine E. Miller Daniel G. Miller Dennis J. Miller Harold J. Miller Michael T. Miller Richard J. Miller William W. Miller Carol E. Mills Harold C. Mitchell Joseph Mlacak Joseph Mlacak Victor D. Moccia Frank F. Moderacki Gerald R. Molitor John Molloy M. Eugene Moore Michael J. Moraniec, Jr. Raymond C. Morawski Robert P. Morency Robert D. Morrison Benald K. Mudge Ronald K. Mudge Roger Mullin Henry J. Murawski Joyce G. & Thomas G. Murdock Jack G. Muthler, Jr. 🗆 Nick Mykolenko 🗆 Edward J. Mytych 🗆 Paul Michael Nagurka Mr. and Mrs. James D. Nanny Gail Nastwold William J. Naumann Joseph J. Nerowski Richard P. Newton Robert W. Nicolai Richard Nicholas Larry J. Nichols Charles R. Nieto Edward Nizienski Ronald L. Nosek Donald R. Nowakowski 
Dennis R. O'Connell Guy J. O'Donnell Brian L. O'Neil David W. O'Neill James H. Obey 🗆 Gilbert J. Opaleski 🗆 Daniel J. Orban Carl F. Ortolf Charles N. Otto Anthony R. Ozog Joseph A. Palazzolo Raymond L. Parker Wesley R. Parker Maurice Parkins Douglas J. Parnin Warren Thomas Parrott James Pasternak William J. Pastuschyn 🗆

Vaughn A. Patterson 🗆



LIT's growth is a result of the generosity of thousands of individuals, corporations, and foundations who believe in the College's mission.

Louis Paull Arthur C. Payne Barry Pearl Captain Michael A. Pearson Michael Pecar Stanley J. Pence Joel A. Perkins David Henry Perry Harold L. Peruski William J. Peterlin 🗆 Ralph R. Petersen James E. Peterson, Jr. Jerry F. Peterson 🗆 David A. Petke Mr. and Mrs. Joseph W. Petro, Jr. Herman Pett Gerald Pichler 🗆 Arthur L. Plinski 🗆 Francis P. Plizga Walter J. Pociask, Jr. 🗆 James A. Poirier Frank A. Polasek Lewis T. Polk, Jr. 🗆 Roger L. Porte Richard P. Pouch Mr. and Mrs. Robert B. Powell Terrence D. Prestel Dwight W. Prideaux 🗆 Leon J. Printz Craig S. Priskorn D Patrick L. Quinn Edward Quisenberry 🗆 Gerald W. Radtke William A. Raether Robert C. Raffin Lynn A. Range Craig A. Rasche Michael J. Raymond Alan J. Rayner William J. Reddish Richard R. Reid Donald B. Reinholm Roy H. Reiterman 🗆 John F. Remski Bruce A. Reno 🗆 Ralph Reseigh Paul R. Retaskie Samuel M. Rice William R. Rice Donald L. Richardson 🗆 William E. Riley George R. Rinaldi Richard C. Risko Donnie K. Robertson Mr. and Mrs. Larry Rockind Marcel M. Rockne Alan L. Roehrig 🗆 Terry D. Rood Carl R. Roselli Donald C. Ross George W. Rotare Philip M. Rothwell

Robert W. Rubarth Douglas W. Rudy John L. Rundels John J. Rusinack, Jr. Gerard S. Rutkowski Francis J. Rutz John P. Sabina Vincent F. Salvia Armando F. Santos Thomas J. Sata James O. Sawyer, III Donald N. Schaening Richard M. Schmidt Mr. and Mrs. Thomas Schneider Mr. and Mrs. Walter Schoneck Samuel L. Schugar Robert D. Schulert Gary R. Schulte John F. Schultz Marvin D. Schultz Frank M. Schuster Barry E. Schwab Conrad P. Schwartz Jay A. Schwartz Carl P. Schweitzer Richard C. Scott 🗆 Dale N. Scrace Harvey M. Selling James E. Serafino William E. Sey Patricia Shamamy William L. Sharp, Jr. 🗆 Bruce R. Shaw Robert A. Shmina Donald A. Show, Jr. Herbert J. Shriner George W. Sierant Michael S. Sifter Donald F. Sikora Krishundyal Singh Paul Sisko, Jr. Edward Skaggs Josef & Amira Skoczylas David R. Skubik Charles Skupin Gary L. Slaughter Walter J. Smak William F. Smetanka Robert J. Smiley 🗆 David H. Smith Edward S. Smith John C. Smith Kenneth R. Smith Richard L. Smith Richard L. Smitley Anthony J. Smolek Thomas D. Smyth Jerome E. Sobieraj 🗆 Lawrence G. Solomon 🗆 Richard D. Souder

**Tony Spadafore** Gordon Spaulding Maurice St. Germain Philip E. Stankewicz 🗆 Catherine M. & James B. Stanley Thaddeus C. Stawiasz Arthur C. Steger Gerrit J. Stemmer Gary J. Stengle G. Gregory Stephen Ralph J. Stephenson Jon E. Stepleton Peter S. Stevens James R. Storfer David John Stram Frederick Strauss Frank B. Streberger Mr. & Mrs. Roy E. Stringer Vincent J. Styrna William N. Sullivan Lawrence P. Suzak Wayne V. Swanson 🗆 Gerard J. Sweeney Michael P. Sweeney Robert J. Szkotnicki Stanley M. Taras Bruno Tasson Robert A. Taylor Warren E. Taylor Ronald C. Tegge Bruno Temporelli 🗆 Harry F. Terbrueggen James C. Tessmer Raymond L. Tessmer 🗆 Richard P. Theobald Timothy J. Theriault

Arthur T. Thomas James & Bill Tiefel John M. Tiley James J. Timmerman Thomas V. Timmons Larry Tinsley L.J. Tischler Benedetto Tiseo Cynthia M. Tomsic 🗆 Stephen E. Tomsick Lynn M. Tooman George D. Toth Lawrence J. Trapp Richard J. Trippett Larry C. Trudelle John P. Trupiano, Jr. George W. Turczyn Herbert N. Turner Peter I. Tzilos Bruno G. Urban Fred Urbaniak John A. Urbonas Charles T. Valade Daniel T. Valascho 🗆 Michael A. Valenti Donald G. Valentine 🗆 Gary L. Vance Sino J. Van Dyk George E. Van Sach Frank M. Varlamos James C. Veale Domenico Verticchio Frank Vettraino, Jr. Robert J. Villaire Richard J. Vinnay Regis A. Volansky

Earl B. Volz Richard Wadowski Eric G. Wagenschwanz Robert G. Wagner Alexander Waligora Michael J. Walsh O. Ralph Wampler Henry W. Ware, Jr. Mr. and Mrs. Thomas H. Warren Michael W. Waskul William L. Watson Frank J. Weber, Jr. Leo S. Weber Lee Weberman Ytzchak Weingarten Kurt Wentzel Jerry B. Werner Mr. and Mrs. Richard R. Werry, Jr. 🗆 Jesse L. Wertanen William E. Wertz 🗆 Stanley A. West Starling C. West 🗆 Gene Whitfield 
Donald Wickman Deborah Ann Wickowski Michael Wierzbicki 🗆 James W. Wild John M. Wilk 🗆 Thomas G. Wilk Marvin E. Williams 🗆 Mr. and Mrs. Glen S. Wilson 🗆 Harold S. Wilson Ronald L. Winebrenner Daniel W. Winey, Jr. □ Ernest E. Wise □ David C. Witt 🗆

James L. Woloszyk Robert E. Woolf Lawrence J. Worobec David A. Wynkoop James M. Wyss 🗆 Thomas R. Yanity Harold R. Yates Frank K. Yesh 
Thomas J. Yestrepsky
Richard J. Young Richard A. Yutendale Philip J. Zalewski 🗆 Paul H. Zang Charles L. Zeese Mr. and Mrs. Conrad Zemens 🗆 Thomas J. Zeoli 🗆 James A. Ziegenfelder 🗆 William D. Ziegler Richard W. Zimmerman Michael Ziniuk Frederick J. Zink Richard A. Zischke Frank Zmuda, Jr. 🗆 William J. Zombory James J. Zrimec John M. Zukoff Stephen Zulczyk Donald A. Zurawski

The Buell Building memorializes a number of donors as well as the leadership of Wayne H. Buell, ChE'36.



#### Corporations

The number of corporations supporting the College and the amount of support received from these corporations during the 1981-82 giving year reached record high levels. The number of corporate gifts grew from 305 during 1980-81 to 401 during 1981-82. Total contributions grew from \$715,754 to \$980,530.

ANR Storage Company Accurate Boring & Machine Company, Inc. [ Ace Sprinkler Company Acorn Building Components, Inc. Acoustical Contractors Association of Greater Detroit Active Tool & Manufacturing Company Advance Stamping Company Air Gage Company Air-Matic Products Company, Inc. Air Products & Chemicals, Inc. Air Traffic Service Corporation Alexander & Alexander of Michigan, Inc. [ Allen Industries, Inc. / Dayco Corporation Allied Corporation Altair Tool & Engineering Ambrose Associates, Inc. American Airlines American Glass & Metals American Motors Corporation 🗆 American Natural Resources Company American Safety Equipment Corporation American Sunroof Corporation Amoco Oil Company Anderson-Cook, Inc. Apex Corporation Jimmie H. Apsey & Sons, Inc. Architectural Panels Company, Inc. Arrowsmith Tool & Die, Inc. Atlas Tool, Inc. The Austin Company Autodynamics Corporation of America Automotive Moulding Company Awrey Bakeries, Inc. B & K Corporation B & M Industries, Inc. Baker Electrical Products, Inc. Barton-Malow Company Bayview Electric Company Bell Fork Lift, Inc. Bendix Corporation Bent Tube, Inc. Berg Tool, Inc. Berry Investment Company Best Block Company Bigelow-Liptak Corporation Birchard Coal Corporation H.L. Blachford, Inc. Dave Black Masonry, Inc. Blue Water Fabricators, Inc. Blue Water Plastics Company Boice Builders Supply, Inc The Boomer Company Bopp-Busch Manufacturing Company Borg-Warner Corporation Borin Builders Supply Borman's, Inc. Braun Engineering Company Brettrager Manufacturing Company Brillcast, Inc. J. Brodie & Sons, Inc. Brooks & Perkins, Inc. The Brown Corporation of Ionia, Inc. Burroughs Corporation C-E Cast Industrial Products Camelot Electronics Capital Die & Manufacturing Company Cargill Detroit Corporation John V. Carr & Son, Inc. The Robert Carter Corporation Cavanaugh & Soave, Inc. Central States Manufacturing Company Century Rain-Aid Champion Spark Plug Company Chessie System Railroads Chillers Unlimited, Inc. Chrysler Corporation City Metal Refining Company, Inc. Clark Construction Company, Inc. Cleaners Hanger Company Climax Molybdenum Company Of Michigan (Amax Foundation) Cold Heading Company Cole Carbide Industries **Colonial Brick Company** 

Commercial Contracting Corporation Computerized Insurance Techniques Concord Tool & Manufacturing Corporation Condamatic Company, Inc. Construction Pipe Company, Inc. **Consumers Power Company** Controlled Rubber Products Cook Industrial Coatings, Inc. Cooney Engineering Company Cooper Tire & Rubber Company Coopers & Lybrand Core Industries, Inc. Monte Costella & Company Craft-Line, Inc. Crankshaft Machine Company Creative Foam Corporation Crescive Die & Tool The Cross Company Crowley, Milner & Company D & F Corporation DMI Industries, Inc. Darin & Armstrong, Inc. Daverman Associates, Inc. George H. Davis, Inc. Davis Iron Works, Inc. Dawson Carbide Industries, Inc. Delray Foundry Company Delta Airlines, Inc. DeMaria Building Company, Inc. Demers Electric Company Dequindre Tool & Die Company Detrex Chemical Industries, Inc. Detroit Bank & Trust Company Detroit Edison Company Detroit Free Press, Inc. Detroit Tree Frees, Inc. Detroit Mason Contractors Association Dial Machine & Tool Company Diamond Stamping Manufacturing Company Dichi & Diehi Architects, Inc. Difference Di Dillon & Dillon, Attorneys Dominion Tool & Die Company Dor-O-Matic Sales & Service, Inc. Douglas & Lomason Company Dover Corporation 
Dow Chemical Company Drake Printing Company W.C. Du Comb Company Dunn Tool Company G.B. Dupont Company, Inc. Dura Corporation Durant & McAlpine Eastown Floor Covering, Inc. Eaton Corporation Ebeling & Hicks, Inc. Electro-Matic Products, Inc. E.W. Ensroth Company Environetics, Inc. Equipment Manufacturing, Inc. Erb Lumber Company Ersco Corporation Ethyl Corporation Etkin, Johnson & Korb, Inc. Evans Industries, Inc. The Evening News Association Excel Industries, Inc. Ex-Cell-O Corporation Fabricating Engineers, Inc. J.N. Fauver Company, Inc. Fayette Tubular Products Division Federal-Mogul Corporation Fendt Builders Supply, Inc. Ferro Manufacturing Corporation First Federal of Michigan Fischbach-Natkin Company Flynn Paving Company Ford Motor Company Forging Specialties, Inc. Form Flow, Inc. G. Forte Company Foster Chemicals, Inc. J.A. Fredman, Inc. Freeman-Darling, Inc. French Sullivan, Inc. 🗆 Future Pak Ltd. G.P. Plastics, Inc.

Galaxy Boring Company

Gatchell & Associates, Inc. General Electric Company General Motors Corporation General Riggers & Erectors, Inc. O. Germany, Inc. Robert W. Glesey, P.C. Giffels Associates, Inc. □ John W. Gillette Company Clarence Gleeson, Inc. Gonzalez Design Engineering Company Grand Rapids Metalcraft Industries, Inc. C. L. Gransden & Company Cray Electric Company, Inc. Great Lakes Gas Transmission Company Great Lakes Steel John E. Green Plumbing & Heating Company, Inc. Harlan Electric Company Harley Ellington Pierce Yee Associates John T. Harley Company Hawthorne Metal Products Company Hentschel Instruments, Inc. Hiller Fuels, Inc. Hirschfield Sons Company Peter Ho & Company, Inc. Holley Carburetor Division/Colt Industries Howard Contractors, Inc. Howard Structural Steel, Inc. W.J. Howard & Sons, Inc. Howe-Martz Glass Company Hydra-Zorb Company Hydromation Company Hygrade Food Products Corporation IBM Corporation I-T-C Electric Company ITT Hancock Industries ITT United Plastics Division Imperial Floor Covering, Inc. Inland Tool & Manufacturing, Inc. Inmont Corporation International Industrial Contracting Corporation Johnson Stamping & Fine – Blanking George L. Johnston Company K mart Corporation K-R Automation Corporation Kalamazoo Stamping & Die Company Keiper, USA, Inc. William H. Kelly Company Kelsey-Hayes Company Kent-Moore Corporation Kentec Corporation 🗆 Korreck Manufacturing Company. Inc. Koskinen Manufacturing Company Kowalski Sausage Company, Inc. David C. Krogsrud Associates, Architects Kuhlman Corporation Kysor Cadillac-Division of Kysor Industrial Corporation LOF Plastics, Inc. Lamb Technicon Lane Tool & Manufacturing Corporation Lear Siegler, Inc. Leidal and Hart Mason Contractors, Inc. Edward C. Levy Company Lincoln Park Boring Company Lobdell-Emery Manufacturing Company M & S Manufacturing Company Maccabees Mutual Life Insurance Company MacPhail Industrial Sales, Inc. Majestic Machine & Tool Corporation Malag Tube Specialties Ralph E. Maly, Inc. Manco Tooling, Inc. Seymour H. Mandell, Architect Manufacturers National Bank Manufacturers Products Company Marathon Oil Company Mardon Construction Company Maxitrol Company Mayotte-D'Haene Associates, Inc. Mayotte-D'Haene Associates, Inc. L McCausey Lumber Company McLouth Steel Corporation Mecha Engineering Company Merio Steam Equipment Company Metamora Products Corporation Michiaelson Construction Michigan Bell Telephone Company 🗆 Michigan Brick, Inc. Michigan Consolidated Gas Company Michigan Industrial Piping Supply Company Michigan Mutual Insurance Company Michigan National Bank (Controllers Group) Michigan-Wisconsin Pipe Line Company

Gallagher-Kaiser Corporation

Midway Products Corporation Midwest Manufacturing & Sales, Inc. 🗆 Milton Manufacturing, Inc. Modern Industrial Engineering Company 🗆 H.A. Montgomery Company Moore Brothers Electrical Company, Inc. Morison-DeLaere Associates, Inc. Morley Brothers Distributors Multi Crafts, Inc. Mundet Insulation Company NL Industries Foundation, Inc. Nagle Paving Company National Bank of Detroit National Gypsum Company-Cement Division National Time & Signal Corporation Nelson-Mill Company Kenneth Neumann & Associates Niemiec & Nemes, P.C. Nor-Cote, Inc. Northern Fibre Products Company, Inc. Northwest Blue Print & Supply Company Olofsson Corporation Outwater Trane Service Agency, Inc. John C. Palen Corporation J. Pappas Associates, Inc. Paramount Financial Planning, Inc. Parker Hannifin Corporation The Paslin Company Perry Printing Company Ted Petersen & Associates, Inc. Peterson American Corporation Petoskey Manufacturing Company, Inc. Phoenix Construction Company. Photo Reproduction Materials, Inc. Pigeon Manufacturing Company. Inc. Pine Design Engineering & Manufacturing Company Pipe Systems, Inc. Pollack Industries, Inc. Port Huron Brass Foundry Company Power Process Piping, Inc. Dale L. Prentice Company Pressform Company Pridgeon & Clay, Inc. Prince Corporation Pullman Industries, Inc. Pulte Construction Company, Inc. Rebmann Products Corporation Louis G. Redstone Associates, Inc. Reef-Baker Corporation Regal Stamping Company Resistance Welder Corporation, Inc. NJ. Revoldt Company Riverside Metal Products Company The Gary Robertson Company Rockwell International Corporation Rotor Electric Company Rupp Oil Company S & H Fabricating & Engineering Salvage One Store Fixtures Sardo Construction Company. Inc. Saroki-Sellards Group Abbott K. Schlain Company Schlegel Michigan, Inc. Sears Roebuck & Company Security Bank & Trust Roy A. Seelbinder Construction Company Servomation Corporation Servo, Inc. Shay Motors Corporation J.L. Sherk Company Siegel-Robert Plating Company Simpson Industries, Inc. Sislin-Splane Printing C.M. Smillie & Company South Haven Rubber Company South Haven Rubber Company Southeastern Michigan Gas Company Southeastern Tile & Marble Company Special Machine & Engineering. Inc. Splane Electric Supply Company Springfield Machine & Stamping Standard Products The Stanley-Carter Company Stellar Engineering, Inc. Stouffer's Northland Inn Structural Fabricators H.B. Stubbs Company Suburban Brick Company Summit Industries, Inc. Summit Polymers, Inc. Sun Petroleum Products Company Supreme Tri-Bit Company Sutter Products Company TRW, Inc. - Michigan Division Tawas Industries, Inc. Taylor Engineering Corporation (The Gage Company) Teal Electric Company 🗆 J. Walter Thompson Company

Three M Tool & Machine, Inc. Tiseo & Associates, Inc. Touche Ross & Company 🗆 R.J. Tower Corporation Tri-Mark Metal Corporation Tru-Val Tubing Company Turner-Brooks, Inc. U.S. Manufacturing Corporation Unistrut Division (GTE) United Airlines 🗆 The Valeron Corporation Leo J. Vandervennet & Sons, Inc. Vaungarde Engineering & Sales Company Visual Services, Inc. W.K. Industries, Inc. WXON-TV. Inc. Walbridge, Aldinger Company Hiram Walker, Inc. 🗆

Warren Steel Works, Inc. Washers, Inc Jervis B. Webb Company 🗆 Western Electric Company 🗆 Western Steel Company Williams Products Wilson-Garner Company Wohlert Corporation Robert Lee Wold & Associates, Inc. Woods Construction Company, Inc. Wyandotte Cement, Inc. X-Celsior Machine Corporation George E. Young Nursery, Inc. L.C. Young Painting & Decorating Company Zenith Industries, Inc. Ziegel man Architects, Inc. -

#### **Corporate Matching Gifts**

Corporations recognize that there are a variety of ways to invest in the future. One way they help do this is through matching gift programs to educational institutions. Seventy-seven different corporations made matching gifts to LIT between July 1, 1981 and June 30, 1982. These matching gifts totalled \$77,948.

Hercules Incorporated

Corporation [

IBM Corporation 
Industrial Risk Insurers

Ingersoll-Rand, Inc.

Kennecott Corporation

Marathon Oil Foundation

Marsh & McLennan Companies, Inc.

Karmazin

Howmet Turbine Components

Aetna Life & Casualty Foundation Air Products & Chemicals, Inc. Allis-Chalmers Foundation American Broadcasting Companies, Inc. American Davidson, Inc. 🗆 American Hospital Supply Corporation [ American Motors Corporation American Natural Resources Company American Telephone & Telegraph Company American United Life Insurance Company [ BASF Wyandotte Corporation Bell Laboratories Bendix Corporation The Boeing Company Borg-Warner Corporation **Bundy Foundation** Central Illinois Light Company Chrysler Corporation Citibank, N.A. **Cummins Engine Foundation** Daniel International Corporation Detroit Edison Company Dow Chemical USA Eaton Corporation Ex-Cello-O Corporation Exxon Education Foundation Factory Mutual Engineering Corporation Federal-Mogul Corporation Ferro Manufacturing Corporation Firestone Tire & Rubber Company Ford Motor Company Fruehauf Corporation General Dynamics Corporation General Electric Foundation General Telephone & Electronics Gould Incorporated Halliburton Education Foundation, Inc. John A. Hartford Foundation 🗆

Martin Marietta Corporation McGraw-Hill Foundation, Inc. Mellon National Corporation Michigan Bell Telephone Company Midland-Ross Corporation-Robotron Division [ Monsanto Fund Motorola Foundation National Bank of Detroit National Steel Corporation Occidental Petroleum Owens-Illinois Pacific Mutual Life Insurance Company [ Peoples Energy Corporation **Pillsbury Company Foundation Price Waterhouse Foundation** Protection Mutual Insurance Company Rockwell International Southwestern Bell Telephone Company Sperry-Rand Corporation Foundation Stauffer Chemical Company Sterling Drug Company TRW, Inc.-Michigan Division Teledyne Incorporated UOP Foundation United Technologies Warner-Lambert Company Westinghouse Educational Foundation Xerox Foundation

Arthur Young Foundation

#### Associations

A variety of associations, civic groups, and other organizations recognized the College with their support. Each of these associations has an important link with the College and their combined gifts added almost \$21,000 to LIT's resources.

American Chemical Society American Concrete Institute American Iron & Steel Institute American Production & Inventory Control Society American Society for Metals Asphalt Pavers Association Detroit Amateur Radio Association Forging Industry Educational & Research Foundation LIT Alumni Association Michigan Road Builders Association National Action Council for Minorities in Engineering. Inc. Rotary Club of Southfield

#### Foundations

A total of eighteen private foundations supported LIT during the 1981-82 giving year. Eleven of these foundations had given during the 1980-81 giving year. Gifts from foundations totalled \$687,047.

Carman Adams Foundation George I. Alden Trust William R. Angell Foundation The Charles M. Bauervic Foundation, Inc. The Clarence & Grace Chamberlin Foundation The Helen L. DeRoy Foundation DeSeranno Education Foundation, Inc. The Charles B. & Charles R. DeVlieg Foundation Fisher-Insley Foundation Rollin M. Gerstacker Foundation Gordy Foundation Incorporated Kresge Foundation The R.C. Mahon Foundation Alex & Marie Manoogian Foundation The J.S. McCormick Company Charitable Trust McGregor Fund Sage Foundation Luia C. Wilson Trust



#### **LIT Family**

The faculty, staff, administration, and members and trustees at LIT continued to do their share during the 1981-82 giving year. Total giving from 159 members of the LIT family was \$57,679.29.

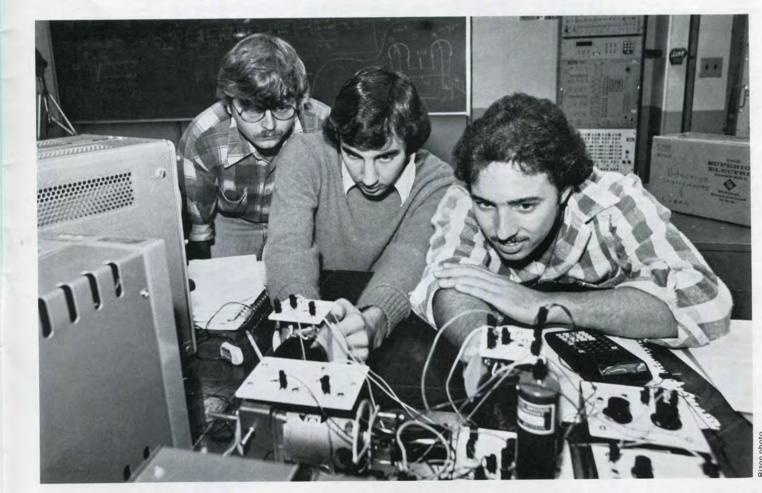
James J. Abernethy D William S. Allen Stanley R. Allison 🗆 Jeane H. Allyn Victor and Sophie Angelescu Bruce J. Annett, Jr. 🗆 Jack Armstrong Jerry G. Beck Mr. and Mrs. Allan M. Bercaw Mr. and Mrs. James B. Blandford Mr. and Mrs. Arnold J. Blythe Mr. and Mrs. George F. Bowden Burnell J. Bowman Dr. and Mrs. Ben F. Bregi Mr. and Mrs. Edward E. Brewer Parke and Nancy Brown Mrs. Wayne H. Buell Floyd W. Bunt Norman R. Burkhardt Mr. and Mrs. James W. Carpenter 🗆 Mr. and Mrs. Lawrence P. Casai Eugene R. Cates Anne Cattermole-Levy 
Mr. and Mrs. Robert D. Champlin Mr. and Mrs. Robert D. Chute Dorothy H. Clark Gary R. Cocozzoli Mrs. Patrick Cogan John J. Connors Mr. and Mrs. Joseph P. Considine, Jr. Mr. and Mrs. Kenneth J. Cook George A. Cousins Mr. and Mrs. Roy C. Crane Dr. Jerry L. Crist 🗆 Mr. and Mrs. Richard H. Cummings Mr. and Mrs. Gerald Cuper Mr. and Mrs. Wilson Daugherty

Dr. and Mrs. Stephen R. Davis 🗆 Louis A. DeGennaro Mr. and Mrs. Frank de Hesselle Ashok Deshpande Metin Dogu Mr. and Mrs. Edward J. Donley 🗆 Mr. and Mrs. Thomas J. Dragon John & Debbie Faes Kenneth J. Farquharson 🗆 H. Robert Farrah Ruth G. Favro Mr. and Mrs. Leonard A. Forrest Mr. and Mrs. Gary J. Gabel Jack G. Gearhart James Giachino 🗆 Fay and Ann Gifford 
Dean and Mrs. Karl H. Greimel Dr. and Mrs. Perry E. Gresham 🗆 Mr. and Mrs. C. Richard Hall G. Robert and Dorothy M. Harrington The Stanley F. Harris Family Mr. and Mrs. Robert D. Hatch Sonia and Marvin Henckel Mr. and Mrs. James L. Hodges Mrs. Elizabeth A. Hood David R. Hubbs Ronald Huizenga Jesse Hunt Mr. and Mrs. Lloyd G. Hunter John F. Hurley Mr. and Mrs. William D. Innes 🗆 Melvin L. Janney Gary Jelin 🗆 Glen S. Johnstone Mr. and Mrs. Gary A. Joppich Gary A. Kecskes Mr. and Mrs. Timothy R. Kennedy Mr. and Mrs. Richard W. Kent 🗆

Keith and Mary Kesling Mr. and Mrs. Paul F. Kinder Mr. and Mrs. Douglass V. Koch Mr. and Mrs. Frank A. Koltuniak Mr. and Mrs. Stanley Korenkiewicz LIT Bookstore Staff LIT Library Staff LIT Registrar's Office Staff LIT School of Arts and Science Staff Lee and Julie Lahr Mrs. E. George Lawrence Juliana C. LeZotte Mr. and Mrs. Samuel F. Lewis Harold Linton Mr. and Mrs. Robert A. Liska Mr. and Mrs. David L. Littman Mr. and Mrs. Kenneth M. Livingston Dr. George Mach Mr. and Mrs. Ernest L. Maier Gene Manis Dr. and Mrs. Richard E. Marburger Zaven and Gladys Margosian Albert Marnon Matthew Mashikian Richard S. Maslowski Thomas and Christine Masson 🗆 Larry McCollister Richard D. McCormack F. Hal McDavid 🗆 Lucy G. and Bernard J. Merritt 🗆 Mr. and Mrs. Michael J. Merscher Richard and Martha Michel Dr. and Mrs. Nelson A. Miles Dr. and Mrs. John E. Miller Richard J. Miller Carol E. Mills Mr. and Mrs. Philip V. Mohan W. Thomas Munsell Dr. and Mrs. Richard A. Murie Mr. and Mrs. James D. Nanny

Thomas J. Nashlen 🗆 Gail Nastwold Mr. and Mrs. Joseph B. Olivieri Mr. and Mrs. Fred Olmstead Mr. and Mrs. Joseph W. Petro, Jr. 🗆 Dr. and Mrs. Louis W. Petro Mr. and Mrs. Robert B. Powell Marilyn Rands Mr. and Mrs. Lloyd E. Reuss Donald L. Richardson Dr. and Mrs. Fredric Rivkin Mr. and Mrs. Larry M. Rockind 🗆 Philip M. Rothwell Mr. and Mrs. Raymond P. Sands Mr. and Mrs. Joseph F. Savin Mr. and Mrs. Roy W. Schenkel Mr. and Mrs. Thomas Schneider Betty-Lee Seydler-Sweatt Patricia Shamamy Mr. and Mrs. Victor Shrem Michael S. Sifter Mr. and Mrs. Greg Snyder Manuel Spinner John O. Stock 
Mr. and Mrs. Roy J. Strickfaden Michael P. Sweeney Mr. and Mrs. Kurt O. Tech Mr. and Mrs. James O. Trew Richard J. Trippett Gary and Eleanor Vance Mr. and Mrs. Lewis C. Veraldi Robert Lewis Voiers Mr. and Mrs. Thomas H. Warren Mr. and Mrs. Richard R. Werry, Jr. 🗆 Marvin E. Williams 
Mr. and Mrs. Glen S. Wilson Allan J. Winkeljohn 🗆 Paul H. Zang Mr. and Mrs. Conrad Zemens

These rosters include names on record for contributions received between July 1, 1981 and June 30, 1982. Omissions or corrections should be reported to the Office of Development.



# **On-campus**



# European study tour offered

Preparations for the fourth annual European Study Tour program, sponsored by Lawrence Institute of Technology, are now underway.

This program is designed to help those participating enhance their knowledge of the European "business world." In 30 days the tour group will visit six countries and 12 cities including London, Paris, Rome and Zurich. Six to eight days will be devoted to industrial tours and conferences with local business people. The Gucci luggage factory, British Law Courts and Europe's Ford Motor Co. are among the possible establishments to be visited.

The overall cost, including air fare, local transportation and most breakfasts, will run approximately \$2,400 to \$2,500. The tour group will leave July 16 and return August 14. For interested students or alumni, it is possible to receive up to nine hours of credit for the trip and Professor Ernie Maier will assist those seeking graduate credit.

For further information, contact Ernie Maier in LIT's School of Management at 356-0200.

## **Faculty and staff notes**

Glen A. Bauer has been named an instructor in the School of Arts and Science. Bauer received B.S. and M.A. degrees in mathematics from Wayne State University.

Dr. Eugenie R. Beall has joined the College as special projects administrator. Her responsibilities include administration of CPCU/CLU insurance programs and "Let's Read." Formerly, she was academic program coordinator for the Wayne State University/University of Michigan-sponsored University Courses in Adult Education.

Dr. Beall holds a B.A. in English from the University of Michigan, an M.A. in English from the University of Detroit, and a Ph.D. in English from Wayne State. She is president of the Detroit Association of Phi Beta Kappa.

Richard Maslowski has been appointed assistant dean of the School of Engineering.

Maslowski assumes his new role in addition to maintaining his position as chairman of the electrical engineering department. Among his new duties as assistant dean are coordinating LIT's School of Engineering Career Day Program, all advising and counseling, academic schedules for both day and evening programs, and high school recruiting efforts. A member of the faculty at LIT since

1966, Maslowski received his B.S.E. in

electrical engineering from the University of Michigan, his M.S.E. from Wayne State University and also attended Worcester Polytechnic Institute for post graduate study in electrical engineering.

Maslowski will also continue as faculty advisor to the Tau Beta Pi and Eta Kappa Nu student engineering honor societies and the LIT student chapter of the Institute of Electrical and Electronic Engineers (IEEE).

Naila D. Mikhaeil has been named an assistant professor in the School of Engineering.

Mikhaeil received his degrees from Cairo University, in his native Egypt, and Braunschweig University in West Germany. He has worked in New York and Cairo as an electrical engineer.

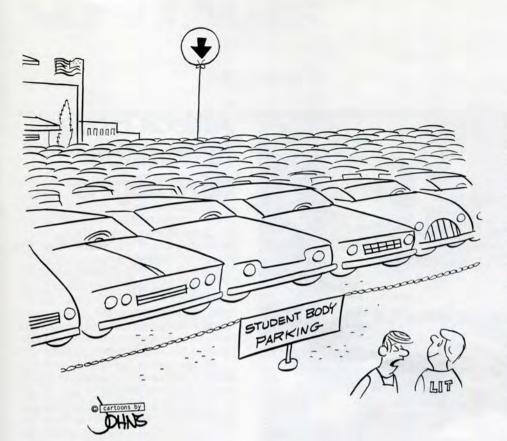
**George E. Quinn** has been named an associate professor in the School of Architecture.

Quinn received his B.A. in architecture from Arizona State University and his Masters in planning from University of Southern California. His previous positions included serving as vice chairman of the Department of Architecture at The Ohio State University and assistant department head of pre-design professions at Kansas State University's College of Architecture and Design.



# Michigan winery tour

LIT Alumni Association members journeyed to Paw Paw in October to visit three Michigan wineries. The all day bus excursion included dinner at Win Schuler's in Marshall, lunch in Turkeyville (really!), and plenty of time for serious wine sample comparisons.



"I got tired of looking for my car everyday!"

# Fall enrollment grows three percent

During these troubled times, when most institutions of higher education are experiencing declining enrollments, figures just released by Lawrence Institute of Technology show that the college is still continuing to grow.

Fall 1982 registration figures indicate a record 5, 868 students had enrolled in classes in day and evening baccalaureate and evening associate studies programs. This was a 3 percent increase over 1981 when the fall enrollment showed a record 5,703 students. According to LIT President Dr. Richard E. Marburger, the continuing increases have resulted in classes and programs filled to capacity and a need to stabilize the enrollment in the coming years.

"After experiencing envollment increases of about 5 percent each of the past five years, we are planning to stabilize at about the 6,000 student level. In most programs, and during much of the day, we are at capacity," he notes. "Although certain programs, such as Associate Studies, meeting on Tuesday and Thursday evenings, might accommodate a few more students, for the most part our concentration will continue to be on attracting more exceptional students rather than on growth."

The largest single increase at LIT continued to occur in engineering where the highest number in the College's history, 2,821 students, enrolled in construction, electrical, or mechanical engineering. In 1981, the engineering enrollment was 2,590.

The total number of women at LIT also increased to 1,088, a trend which reflects the change in society's attitudes toward women in formerly male-dominated fields. This year, women accounted for 19 percent of the total student body and increased to just over 8 percent of the engineering enrollment. The largest single female increase in an individual program occurred in the School of Management where a total of 249 women enrolled in the business administration program, compared to 192 in fall 1981.

Basic tuition for bachelor of science degree programs is \$610 per term. For associate programs it is \$540 per term.  $\Box$ 

### Founders Society established

An LIT Founders Society, recognizing the contributions of major donors to the College, has been formed and will begin meeting periodically next year, Dr. Richard E. Marburger, LIT president announces.

The Society offers its members the opportunity to become part of an academic community whose greatest accomplishments have been achieved through private means, according to Marburger.

"LIT's continuing educational leadership requires the encouragement and active investment of individuals who share a desire to provide enduring and generous support," he added.

Membership in LIT's Founders Society can be attained by any one of the following forms of investment in the College:

- A gift of \$10,000 or more in cash (or cash equivalent) payable immediately, or at the rate of at least \$1,000 a year for ten years or less, or;
- A deferred gift of \$15,000 or more payable through a bequest, a life income or unitrust agreement, or a trust agreement, or;
- A cash/bequest gift combination of \$5,000 outright or over 10 years or less at a rate of at least \$500 annually, and a minimum bequest of \$7,500, or;
- A matching gift arrangement combining an individual gift of \$7,500 with a corporate matching gift of \$7,500, or;
- An insurance policy (other than term) of \$25,000 or more on the life of the contributor or spouse.

The College hopes to enroll 45-50 "Charter Members" by December 31, 1982.

For more information, write or call G. Robert Harrington, LIT's vice president for development. □



Send your change of address to the Alumni Relations Office!



Restoration of LIT's Affleck House, designed by Frank Lloyd Wright and completed in 1941, will be assured by a group of friends dedicated to raising funds for the landmark. Mrs. Ivabelle Harlan, inset, is chairing the effort.

# **Presidents Club welcomes 22**

The LIT Presidents Club welcomed 22 new members during a fall dinnerdance October 23 in the College's new dining room in the Buell Building.

Dinner was preceded by a reception in the Building's atrium. Following dinner, LIT President Richard Marburger and Club President Alvin R. Prevost, ArE'51, were featured speakers. Vice President for Development G. Robert Harrington updated the 179 attendees on the College's Capital Campaign progress.

New members included: Andrew D. Agosta, IM'69; Mr. and Mrs. Nick Baracos, ME'53; Gregory R. Cheek; Vincent, IM'79, and Diane Cornacchia; Dean V. DeGalan, EE'74; Coda M., ME'58, EE'60, and Beryl H. Edwards; Ruth G. Favro; Chester G. Janssens, ME'60; The Honorable and Mrs. Charles Kaufman; Keith and Mary Kesling; Stan, EE'56, and Leona Korenkiewicz; Chet and Laura Mally; Albert F. and Paulyn Myers; Mr. and Mrs. Jerome Obdziejewski, IM'69; Joseph B. Olivieri; Edward, Ma'75, and Vicki Repik, II; Mr. and Mrs. Joseph F. Savin; Mr. and Mrs. Morris I. Sheikh; Edward and Jo Simon; Stanley A. and Estelle Simon; Gary and Eleanor Vance; and John F., ME'81, and Sharon Watton.

Fred Faes and his Orchestra provided entertainment to round out the evening.

The Presidents Club's 489 members have invested over \$1.5 million to date to enhance and insure the tradition of excellence at LIT.  $\Box$ 

### Affleck House restoration drive begins

The restoration of LIT's Frank Lloyd Wright-designed Affleck House has received a shot in the arm thanks to the efforts of a newly-formed group of friends and neighbors of the home.

The group, called "Friends of Frank Lloyd Wright • Affleck House," will raise funds necessary to restore the home and provide a maintenance fund for future needs. It is being led by Mrs. Ivabell Harlan of Bloomfield Hills.

Affleck House, completed in 1941, was the residence of the late Gregor S. and Elizabeth B. Affleck. It was given to LIT and its School of Architecture in 1978 by the Affleck children, Mary Ann (Mrs. Karl F.) Lutomski, and Gregor P. Affleck. Since then it has served as an outstanding teaching resource for students and faculty, and as a center for important LIT seminars, conferences, and special receptions.

The home, in Bloomfield Hills, is considered by architectural scholars to be one of Wright's most significant works. According to Dean of Architecture Karl H. Greimel, it represents the last great period of Wright's architecture which he called "Usonian" — the way of building a structure in harmony with its site. Wright developed a close friendship with the Afflecks and was a frequent visitor to their home. Nearly 10,000 architects and guests from throughout the world visited the home during the time it was the Affleck's residence.

Contributions would be used for such purposes as refinishing interior and exterior walls, addition of insulation and modernization of the home's heating plant, repair or replacement of skylights and roofing, masonry repairs, and landscaping.

Some funds must be expended in the immediate months ahead for the above items. Creation of a special maintenance fund, however, would assure that future preservation needs could be met with income from investment of the fund's principal.

Alumni and friends interested in making a tax-deductible contribution can contact Edward T. Darling, LIT development officer, for more information at (313) 356-0200.

# **Alumni Notes**





Craw '60

Norman R. Hughes, Ar'69, has been named to the Department of Energy in Washington D.C. as the assistant to the Assistant Secretary for Conservation and Renewable Energy. This position, at a senior executive level, includes responsibility for the development, implementation, and management of a program designed to transfer federal development technologies and federal demonstration facilities to the private sector. In addition, Norman will be working to encourage private sector activities in lieu of federal investment.

**Ely Tama**, IM'69, recently announced the formation of his new professional corporation doing business as Haas and Tama, P.C., certified public accountants. The new partnership is located in Southfield.

# 1970-79

John Dziurman's, Ar'70, architecture firm, Dziurman Associates, was featured in the Observer and Eccentric newspapers on September 16. The article focused in on the firm's international flavor with a staff composed equally of American and European trained architects.

Pedro G. Orbegoso, IM'72, wrote congratulating LIT or its 50th Anniversary and on the completion of the Buell Building. Pedro also sends best regards from Lima, Peru, where he now resides.

**Donald K. Ledford**, IM'73, is employed at Ford Motor Co. Don reports that he traveled in Europe in 1970 and 1975.

Alan D. Zahm, Ch'73, writes that he is now working with the city of Orlando, FL. Alan is residing in Winter Park, FL.

# 1933-59

Dante V. Peroni, Ch'36, has retired from his civilian position as a supervisory engineer at Wright Patterson Air Force Base, Dante now resides in Dayton, OH.

Edward B. Chester, EE'49, is director of industrial relations for Calspan Field Services, Inc. at the Arnold Engineering Development Center, USAF, near Tullahoma, TN. He has been with Calspan for 27 years.

Frank S. Marra, ME'49, has been elected president and chief operating officer of VSI Corp., Pasadena, CA, a subsidiary of Fairchild Industries, Inc. He will be headquartered at the D-M-E headquarters in Madison Heights. VSI is a diversified multinational corporation composed of several companies with products for commercial, industrial, and aerospace markets.

Walter F. Ruffer, ME'50, purchased a product line from American Standard, Inc. and began Detroit Switch, Inc. in 1971. He is now vice-president of Detroit Switch in Pittsburgh, PA, which employs 48 people to manufacture pressure and temperature control switches for use by the U.S. Navy, railroads and refrigeration manufacturers.

Jack Mohr, CivE'51, married the former Jill Templin of Dearborn on June 12. The couple are residing in Mexico City, Mexico, where Jack has a three-year assignment with Ford Motor Co.

Karl Schwarze, ME'51, has returned to the engineering office at Chrysler Corp. as manager of body design. Previously he was manager of vehicle testing at the Chrysler Proving Grounds.

Carl F. Ortolf, EE'52, is a district manager for Gould, Inc's., Dayton, OH office.

Charles Knighton, ME'55, has been appointed vice-president of small car engineering and planning for Ford Motor Co.'s North American Automotive operations. He previously held the position of vice-president of product development for Ford of Europe.

Gretchen Minnhaar, ArE'59, was part of a team which recently designed the Gerald R. Ford Museum in Grand Rapids. Gretchen is with DeWinter and Associates in that city.

1960-69

Daniel H. Craw, IM'60, has been appointed

assistant vice-president for personal banking at Detroit Bank & Trust's (DBT) Maple-Orchard Lake branch. DBT is the principal subsidiary of Comerica Incorporated.

Steven V. Darst, IM'61, has been elected international president of the Association for Systems Management (ASM). Steve is employed as a vice-president of Standard Federal Savings and Loan Association in Troy. He, his wife, Myrtle, and their four children reside in St. Clair Shores.

Clement L. Martzolff, ME'62, has been appointed regional manager of business development for Gilbert/Commonwealth, an international consulting engineering firm. He will be responsible for developing industrial markets in the midwest for the company's Jackson-based Industrial and Environmental Division.

Thomas F. O'Connor, ArE'64, was elected chairman of committee C-24 on Building Seals and Sealants of ASTM, the internationally recognized standards-writing organization. He is a building technology specialist for Smith, Hinchman and Grylls Assoc., Inc.

Nick Sarzynski, IM'64, is the director of the 1982-83 Science and Engineering Fair, sponsored by the Engineering Society of Detroit and the *Detroit News*. He has left General Dynamics to devote full time to his business, Delta Hardware on Harsens Island, which he operates with his wife, Joan.

Charles R. Bisel, AIA, ArE'66, has been appointed to direct a newly formed Department of Facilities at Providence Hospital in Southfield. The new department is a merger of the departments of construction, buildings, and grounds.

### **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 activities. Moving? Please send us your new address. 
Check here if this is a new address

Name	Majora	Major and Class Year		
Street				
City	State	Zip Code		
News notes:				

Send to: Director of Public and Alumni Relations, Lawrence Institute of Technology, 21000 West Ten Mile Road, Southfield, Michigan 48075.



Darst '61



Michael A. Piatak, ME'78, was awarded his Michigan professional engineer status in July. He is employed by Gulf and Western as a product development engineer.

Michael Sweeney, ME'78, has received his professional engineering license from the State of Texas. He is employed in the Marine Division of Brown & Root, Inc. of Houston. Michael recently married the former Cindy Pugh and he and his new wife reside in Katy, TX.

Mike Hammond, Ar'79, is now a registered architect in the State of Michigan. He is a project architect with Samborn, Stekette, Otis and Evans, Inc., architects and engineers in Toledo, OH.

Timothy J. Jeffrey, BA'79, has been named manager of Minton Schmid, Landers Vinton Reuther & Smith, Inc.'s Weatherford, TX office. Minton Schmid is the only Fort Worth-based brokerage firm. Tim has also been named vice president of the same company.

Kevin R. Martin, Ma'79, EE'79, received his M.S. degree in computer science from the University of Southern California in June. He has been promoted to software group head in the Simulation and Graphics Section at Hughes Aircraft Co. in Los Angeles, CA.

Pamela (Nash) Murdock, DT'79, is an operations analyst for the Research Foundation in Albany, NY. Her present position has her working on the State University of New York network system, which consists of approximately 300 terminals all over the state.

### 1980-82

Dan Connelly, Ar'80, married the former Ann Kurnez, April 24. Dan is with R. E. Frailey and he and his new wife reside in Troy.

Gary D. Roberts, Ar'80, has joined the engineering department of DeMattia Co., a Farmington Hills-based general contracting firm.

Cynthia M. Tomsic, ME'80, has joined General Dynamics Corporation. She is a maintainability engineer in the company's Land Systems Division.

Helza Weichselbaum, ME'80, works for GM Plant Engineering and Construction as a plant engineer. She is also currently working toward her professional engineering registration in Michigan.

Douglas A. Wright, Ar'81, is now with the David A. Trautman firm in Petoskey.



a position at Bell Laboratories in New

include CAD implementation for logic

design in micro processors and logic

Jersey as a technical assistant. His duties

simulation in relation to timing of signals

William J. Jackson, BA'82, recently joined

the Houston office of Seidman & Seidman.

accountant in the firm's audit department.

the national accounting firm. He is staff

He and his wife, Joyce, reside in west

Michael Lazur, EE'82, has joined Intel

Corporation in Aloha, OR as a process

Woolfenden on September 4 and now

resides in Portland, OR.

engineer. Mike married the former Jessica

O'Connor '64

through gates.

Houston.

Wynkoop '74 Edward A. Zyjewski, ET'81, has accepted

Robert Bishop, ME'74, has been a member of the Troy School Board since 1976 and is currently manager of Powertrain Engineering of North American Vehicles Overseas division of General Motors.

George A. Washnak, IM'74, married the former Deborah Santo, September 4, 1981. The couple resides in Brownsville, TX. George is the controller for Valley Community Hospital.

David A. Wynkoop, IM'74, a Lieutenant in the Medical Supply Corps, U.S. Navy, was advanced to membership status in the American College of Hospital Administrators. David is a medical construction liaison officer for a replacement hospital facility at Camp Lejeune, North Carolina.

Douglas W. Kueffner, Ar'74, has been named an associate with Toshach and Sobczak Associates Inc., a Saginaw architecture firm. In addition to his LIT degree, Douglas also holds a master's degree from Washington University.

Dennis Dimoff, Ar'75, BAr'76, was recently made lieutenant governor of the Michigan Kiwanis organization. He was elected to this position after five years as the Kiwanian's "Gazebo Concertmaster.' Dennis was given the previous title in recognition of his leadership in running a free concert series in the gazebo he designed as a student at LIT, in the Mill Pond Park in Brighton.

Oswin H. Wagner III, Ar'75, BAr'76, has been named an associate at Micuda Associates, Inc. of Pontiac. Oswin lives in Wixom.

Paul Johnson, Ar'76, received his architectural registration this year. He is currently employed as special projects coordinator for Tubelite Architectural Products in Reed City. Paul resides in Hersey with his wife, Pamela, and their son, Nathaniel.

Mark Bedell, Ar'77, has completed his internship and state examinations and has qualified as a licensed Michigan architect. He is currently practicing in Birmingham and resides in Farmington Hills with his wife, Charlotte.

Joseph S. Matusz, EE'77, received his M.B.A. from the University of Michigan's Dearborn campus in April, 1982. An employee at Detroit Edison, Joe recently passed his P.E. exam for certification in Michigan.

Thomas Artushin, Ch'78, received his M.A. in business from Central Michigan University in September. He is currently a liaison certification engineer at Ford Motor Co.

Fall/Winter 1982 32

In memoriam Julius W. DeMunnik, CivE'33, of Royal Oak, July 14, 1982. Julius retired in 1970 from the U.S. Army Corps of Engineers, Detroit. He is survived by his wife, Rose, a son,

Samuel C. Williams, EE'38, of Mt. Clemens.

two daughters, and five grandchildren.

Stanley C. Mirecki, EE'49, of Portland, OR, June 28, 1982. Stanley was retired from the Bonneville Power Administration after 35 years of service. He is survived by his wife, Ethel, and son Greg.

Thomas Barkley, BA'50, of Detroit.

Grant A. Morrison, ME'51, of Houston, TX, August 9, 1982.

Max B. Shull, EE'58, of Royal Oak.

Francis C. Przybysz, ME'64, of Utica, August 1, 1982. Francis was employed at GM as a senior process engineer in the advanced engineering dept. He is survived by his wife, Marion, and three daughters.

Benedict J. Rawski, MT'64, of Dearborn.

Rudolph Barduca, CE'69, of Bloomfield Hills, July 2, 1982. Rudy was chief engineer at Cadillac Asphalt Paving Co. He is survived by his wife, Bernice, his three children, and five grandchildren.

Michael V. Cepeda, IM'75, of Kalamazoo.

Michael E. Marx, IM'75, of Westland, July 17, 1982. Michael was employed by Wayne County as an auditor before his death. He is survived by his parents, Mr. and Mrs. Edward C. Marx, a brother, and two sisters.

### **The Presidents Club** of Lawrence Institute of Technology

You can join by

- A gift of \$1,500 or more in cash (or equivalent) payable immediately, or at a rate of at least \$300 a year within five years; or,
- A matching gift arrangement whereby a gift of \$1,125 by an individual is combined with a corporate matching gift of \$1,125; or,
- A deferred gift of \$2,500 or more payable through a bequest; or,
- A cash/bequest gift combination of \$1,000 outright or over 5 years at a rate of \$200 annually, and a minimum bequest of \$1,000.

Please consider joining this distinguished group of more than 500 alumni and friends of Lawrence Institute of Technology.

For additional information, write or call . . .

The Presidents Club Lawrence Institute of Technology 21000 West Ten Mile Road Southfield, MI 48075 (313) 356-0200





Office of Public and Alumni Relations 21000 West Ten Mile Road Southfield, Michigan 48075

#### ADDRESS CORRECTION REQUESTED RETURN POSTAGE GUARANTEED

**Parents:** if your son or daughter no longer lives with you, please inform the LIT Alumni Office of their new address.



Addresses by the speakers listed below are open to students, alumni, and friends of the College without charge. However, because speakers occasionally must be rescheduled, visitors are encouraged to call the Public and Alumni Relations Office to confirm attendance, (313) 356-0200.

**December 13-January 20** House For A Critic, invitational exhibit of architectural design work. LIT Arch. Gallery; Mon.-Fri., 8:00 a.m.-5:00 p.m.

**December 14** Good, Better, Best — Public Art in Detroit, Dennis Nawrocki, author and historian, Detroit Institute of Arts. LIT Arch. Aud.; noon.

January 4, 1983 Model Photography, Ken Paul, photographic specialist, Smith, Hinchman & Grylls Associates, Inc. LIT Arch. Aud.; noon.

January 11 The Continued Excavation of an Egyptian Temple:Temple of Mut, Karnak, Luxor, Egypt, Bill Peck, curator, department of education, Detroit Institute of Arts. LIT Arch. Aud.; noon.

January 19, 21 *Registration*, Evening College baccalaureate programs, second term. Classes begin January 24.

January 20 Marketing in the Eighties: Pitfalls and Pluses, Gerre Jones, editor, publisher, and marketing specialist. LIT Arch. Aud.; 7:30 p.m. Non-profit Organization U.S. Postage **PAID** Southfield, Michigan Permit No. 54



**Founders Day** Marx our word, there was lots of fun on campus on Founders Day September 12. Students and staff dressed up to portray several zany '30's personalities. The complete story starts inside on page 1.

January 20, 25 *Registration,* Evening College associate programs, second term. Classes begin January 27.

January 25 The Detroit Institute of Arts: What's In It For You?, Patience Young, curator, department of education, Detroit Institute of Arts. LIT Arch. Aud.; noon.

February 3 After Modernism, Robert A. M. Stern, architect, author, and professor, Columbia University, LIT Arch, Aud.; noon. February 3-March 10 LIT Architecture faculty exhibit. LIT Arch. Gallery; Mon.-Fri., 8:00 a.m.-5:00 p.m.

April 23, 24 All-campus Open House, 11 a.m.-5 p.m. Saturday, 12 noon-5 p.m. Sunday

April 23 Alumni Dinner Dance/Reunion. Details to come.