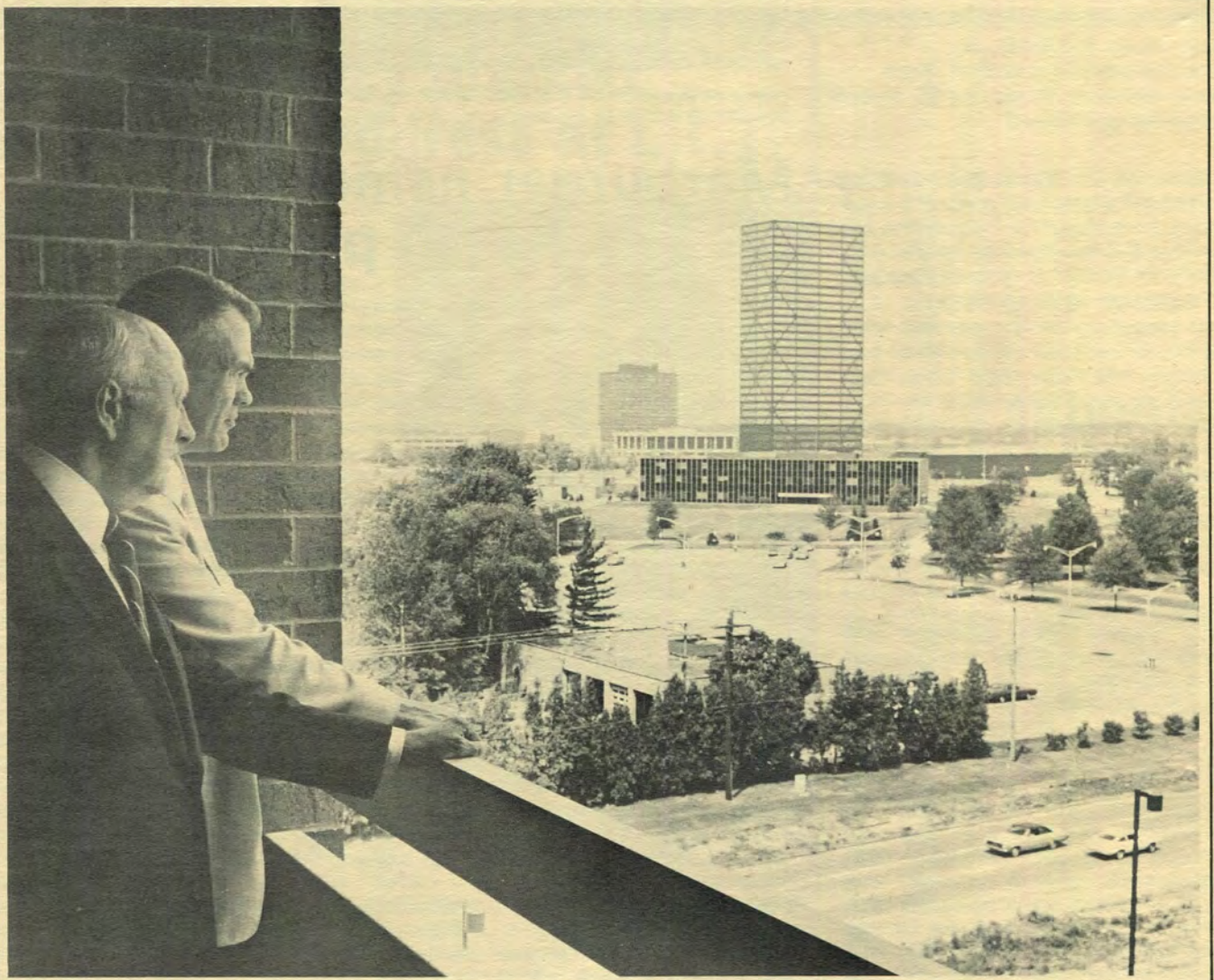


Lawrence

INSTITUTE OF TECHNOLOGY

MAGAZINE



summer/autumn 1977

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vol. 1, no. 3 summer/autumn 1977

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Editor: Bruce J. Annett, Jr.
Office Secretary: Deborah A. Faes
Photos: Walter G. Bizon, Ar'75, Robert G. Sheufelt and others

On the cover: Dr. Wayne Buell (left) and Dr. Richard Marburger view the L.I.T. campus from the ninth floor of the new \$4 million College Housing Center. (Tall building on horizon is campus neighbor, the Prudential Town Center.)

Calendar

October 22

Presidents Club Dinner, L.I.T. Dining Room, 6:30 p.m. By invitation.

October 27

Mr. William Panny, executive vice president of Rockwell International and president of the Engineering Society of Detroit, speaks at 7:30 p.m. in the Science Building Auditorium. Call President Marburger's secretary, Mrs. Rosemary Hodges, for seating reservations, 356-0200.

November 6

L.I.T. Alumni Association football safari to Pontiac Silverdome. Detroit Lions vs San Diego Chargers. Bus from campus. Lunch. Call Alumni Office for details.

November 28

Second term day baccalaureate classes begin (Register in advance!)

ON-CAMPUS



New president Richard E. Marburger and his family are no strangers to L.I.T. Pictured are (L to R) son Dennis BA'76; Dr. Marburger; his wife, Mary; and daughter Kathy, a senior accounting major.

Marburger named L.I.T.'s fourth president

Dr. Richard E. Marburger, vice president for academic affairs at Lawrence Institute of Technology since 1972, has assumed new duties as president and chief administrative officer of the College. Dr. Marburger's appointment, effective September 1, was the result of unanimous action taken by the College's Members of the Corporation and Board of Trustees at a joint meeting June 9.

Dr. Marburger succeeds Dr. Wayne H. Buell, who was named chairman of the L.I.T. Corporation and retains his positions as chairman of the Board of Trustees and chief executive officer of the College. Dr. Buell served as L.I.T. president since 1964. (See related stories, this issue).

As L.I.T.'s vice president for academic affairs, Dr. Marburger, 49, supervised the activities of the College's five Schools, the admissions office, registrar, computer center, library, and bookstore. As president and chief administrative officer, he will also administer the College's offices of business affairs, campus facilities, and student services. He had formerly served for two years as the dean of L.I.T.'s School of Arts and Science. His scientific career spans 25 years at L.I.T., the General Motors Research Laboratories, and as a Lieutenant in the

U.S. Air Force.

A native of Detroit, Dr. Marburger earned three degrees at Wayne State University, including his Ph.D., and was elected to membership in the honorary scientific society, Sigma Xi.

He is a member of the Board of Directors of the Engineering Society of Detroit, past Executive Chairman of the Membership Drive and present Executive Chairman of the Corporate Program Development Committee of ESD. He is also a member of the Executive Committee of ESD, the Board of Trustees of the Business/Education Alliance, Inc., the American Physical Society, the American Association of Physics Teachers, the Michigan Association of Collegiate Registrars and Admission Officers, the Council for Advancement and Support of Education, and is past Chairman of the Michigan chapter of the American Crystallographic Association. He is past Chairman of the Board and present Trustee of the Armenian Congregational Church, and past President and present Director of the Kirkwood Lakeowners Preservation Association.

Dr. Marburger and his wife, Mary, reside in Birmingham. They have two children: Dennis, 23, an L.I.T. alumnus, and Kathryn, 21, a senior at the College.

New chairman hopes to increase L.I.T. visibility

Dr. Wayne H. Buell, L.I.T.'s energetic former president and now chief executive officer and chairman of both the L.I.T. Corporation and Board of Trustees, doesn't plan to slow down yet. He envisions that his new position,

while including responsibility for management and policy decisions with the trustees and members, will provide more opportunities to strengthen the College's regional visibility and relations with the corporate community.

"With Dr. Marburger assuming much of the day to day administrative operations of the College, I'll be able to devote more time to these other important areas," he comments. "And, by continuing my work with Vice President (for Development) Harrington, we hope to strengthen our fund raising efforts as well."

More of Dr. Buell's working day will now be taken up with corporate visits

and events off the campus.

"Things we just couldn't afford—timewise before." He'll also continue his active role in College relations.

"I've held more positions at L.I.T. than anyone I can think of," he said recently. "As a student I roomed in the attic of the old building in Highland Park and worked as a custodian and in the cafeteria; later I was an instructor and later still a trustee and an administrator. I'm confident I'll be able to answer most questions."

"The message of the College is a good one—positive, strong and viable. It's one we'd like others to hear more about."

Buell presidency marked tremendous progress at L.I.T.

The 13-year presidency of Dr. Wayne H. Buell marked a period of tremendous growth, progress, and prosperity for Lawrence Institute of Technology. Enrollment rose over 25 percent during a period when many American colleges experienced enrollment declines. The College physical plant nearly tripled in size—adding a multimillion dollar Science Building in 1968, a new library in 1975, and the just-opened \$4 million Student Housing Center. Curricular advancements include the formation of the School of Arts and Science, the adding of programs in business administration, construction engineering and the fifth-year professional degree in architecture.

Perhaps most important of all, the College was granted full accreditation of all college programs by the North Central Association in 1967. In addition, the programs of the School of Engineering were accredited by the Engineers Council for Professional Development and the fifth-year bachelor of architecture program was accredited by the National Architectural Accrediting Board.

Dr. Buell's presidency marked a period of efficiency, and fiscal responsibility that has made L.I.T. a model of sound college management for collegiate administrators nation-wide.

"We can thrive on what others spill," he's remarked with a chuckle. Michigan



Dr. Wayne H. Buell, chief executive officer and chairman of the L.I.T. Corporation and Board of Trustees.

Department of Education figures, for example, illustrate that L.I.T. tuition last year was 33 percent below the average tuition charged at Michigan private colleges and that it rose far less rapidly than tuitions state-wide since 1964. When compared to state per

capita income increases during the same period, it actually costs proportionally less to attend L.I.T. today than in 1964.

A member of the College's first freshman class, Buell graduated in 1936 and served on the full-time faculty at the College for eight years and served four more as a part-time member. He then embarked on a successful career as a research chemist and executive vice president of Aristo Corporation. He was appointed an L.I.T. trustee in 1950, and returned to head his Alma Mater on August 1, 1964. The Clay City, Indiana native earned his masters degree at Wayne State in 1951 and was awarded an honorary doctorate in engineering from L.I.T. in 1958. In 1970 he was presented the Award for Scientific Merit of the American Foundrymen's Society and in 1974 was named a Fellow of the Engineering Society of Detroit.

Buell, 64, is a director and former chairman of the Association of Independent Colleges and Universities of Michigan, a director of the Economic Club of Detroit, member of the American Chemical Society, director of the ESD Finance Committee and recently served as co-chairman of the ESD membership campaign. He has published a number of papers and articles and is a popular lecturer.

He resides with his wife of 38 years, Vita, on the campus.



Spencer



Miles



Tech



Entenman

Spencer, Miles retire

Dr. Edward M. Spencer and Dr. Nelson A. Miles have retired as chairman and secretary of the members of the L.I.T. Corporation. Both will remain members. They are succeeded by Wayne H. Buell and Kurt O. Tech. The members manage the College and select the Board of Trustees.

Spencer, 69, served as chairman of the Corporation for 12 years. He was treasurer of the Detroit Edison Company from 1957 until his retirement in 1970. He was appointed an L.I.T. trustee in 1950 and a member of the L.I.T. Corporation in 1964. He has been a visiting professor of business and industrial management at the College since 1975, and serves as a consultant in management and computer applications world wide.

He was graduated from the University of Michigan in 1930, did graduate work at that institution and Wayne State, and was awarded an honorary doctorate in engineering from L.I.T. in 1964. He resides in Southfield with his wife, Ruth.

Dr. Nelson A. Miles has been an L.I.T. trustee since 1965 and has served as secretary of the members of the L.I.T. Corporation since 1968. Miles is attorney for the City of Grayling (MI) and retired in 1969 as vice president and legal counsel of the Holley Carburetor Company of Detroit. He was educated at Albion College and the Chicago School of Law where he received his L.L.B. in 1933. Later he completed graduate studies at the Cumberland (TN) University Law School. He received an honorary doctorate in humanities from L.I.T. in 1974.

Miles is a former member of the Michigan legislature, and represented Ottawa County for four terms. He resides in Grayling with his wife, Helen.

Tech is elected

Kurt O. Tech, corporate group vice president of North American Operations and a director of the Cross Company, has been elected secretary of the Members of the Corporation at Lawrence Institute of Technology in Southfield. He has served on the Board of Members since 1975.

Tech succeeds Nelson A. Miles, secretary of the members since 1968, who will remain a Member.

Mr. Tech joined the Cross Company more than 35 years ago, and is responsible for North American machine tool operations of the multi-national automated machinery firm headquartered in Fraser, Michigan.

In 1958, Tech received the L.I.T. Alumni Achievement Award, and was cited for "pioneering developments in the field of automation and directing development of many firsts in the field of automatic production lines including the Cross Transfer-matic and Automatic Assembly Machines."

He received his Bachelor of Science in Mechanical Engineering degree in 1948 from L.I.T. where he was President of the senior class and a member of Lambda Tau honor society.

He is a past President and Life Member of the L.I.T. Alumni Association, a past President of the Russell Lawrence Foundation and a member of the L.I.T. Presidents Club.

A native of Detroit, Tech is a member of the Engineering Society of Detroit, the Society of Automotive Engineers, the Institute of Electrical and Electronic Engineers, the Lochmoor Club, and is a member and past Moderator of the Grosse Pointe Congregational Church.

Mr. Tech resides with his wife, Carole, in Grosse Pointe Shores. They have three sons: Kurt, 19; Karl, 16; and Eric, 14.

Entenman is new trustee

Alfred M. Entenman, Jr., has been named to the Board of Trustees of Lawrence Institute of Technology.

Entenman is president of Giffels Associates, Inc., an international architectural, engineering, and planning firm with offices in Southfield, Detroit, and Washington, D.C. He is professionally registered in 40 states, and with the National Council of Engineering Examiners. Entenman is a director of the Michigan State Chamber of Commerce, Crowley-Milner Co., and director and treasurer of the Engineering Society of Detroit (ESD). He is a member of the American Institute of Steel Construction, Consulting Engi-

neers Council of Michigan, Inc., Cornell University Council, the Michigan, Ontario, and National Societies of Professional Engineers, Society of American Military Engineers, and Tau Beta Pi. In addition, he is a trustee and vice president of the Rackham Foundation and on the executive committee of ESD.

A resident of Grosse Pointe Park, Entenman received his B.S.C.E. from Cornell and has taken graduate studies from Columbia. He has addressed a number of professional engineering organizations and recently received the Annual Distinguished Service Award from ESD.

College Housing opens

L.I.T.'s "commuter college" classification ended August 1 as the new \$4 million College Housing Center opened to students. At presstime, only about 10 of the nine-story structure's 142 one and two bedroom apartment units hadn't been spoken for, according to William C. Burke, director of student services.

Anticipating student needs, over half of the building's tastefully decorated apartments were completely furnished. All of the units feature air conditioning, stove, refrigerators, carpeting, drapes, and garbage disposals. Most also have a generously-proportioned private balcony. Monthly rent ranges from \$210 for a one bedroom unfurnished unit accommodating 2 students, to \$340 for a two bedroom furnished unit accommodating 4 students. Rent includes heat and all utilities except telephone.

"Residential life on a college campus offers students many opportunities to maximize their personal, social, and educational experiences," says Dr. Wayne H. Buell, chairman of the board. "And on-campus housing makes L.I.T.'s academic programs increasingly attractive to students from outstate Michigan as well as other states and countries."

The brick and masonry structure was designed by Earl W. Pellerin Associates, architects. Pellerin retired in 1974 after serving 42 years on the faculty and as Dean of the College's School of Architecture. He has designed all College buildings except the Library, which was purchased by L.I.T. in 1975. General contractors for the College Housing Center were Etkin, Johnson and Korb, Inc.



Degrees awarded to 485 graduates

Over 2000 graduates, relatives, friends, faculty and alumni filled the Detroit Civic Center's Ford Auditorium June 5 as Dr. Wayne H. Buell presented diplomas at the College's 45th annual Commencement exercises.

William M. Agee, chairman, president, and chief executive officer of the Bendix Corporation gave the Commencement address at the Sunday afternoon event. Following his remarks, which appear in this issue of the **L.I.T. Magazine**, Agee was awarded an honorary Doctor of Science in Industrial Management Degree.

Agee, 39, was named to head Bendix in January 1977. He joined Bendix in 1972 and has held a number of executive positions. He was formerly senior vice president of Boise Cascade Corporation.

Agee received his B.S. in Business with Highest Honors in 1960 from the University of Idaho, and his M.B.A. with Distinction from the Harvard Business School in 1963.

Involved in many civic activities, Agee's affiliations include the Detroit Renaissance, Inc., New Detroit, Inc., Citizens Research Council of Michigan, Junior Achievement, the Boy Scouts of America, and he serves as automotive industry chairman of the 1977 U.S. Industrial Savings Bond campaign. He is a board member of the Great Atlantic and Pacific Tea Company and the Equitable Life Assurance Society. His professional memberships include the Society of Automotive Engineers, Economic Club of Detroit, American Institute of Certified Public Accountants, the Business Roundtable, and the Council on Foreign Relations.

Also honored at the 1977 Commencement exercises were Howard H. Kehrl, who received the honorary degree, Doctor of Science in Industrial Management, and Ralph E. Cross, who received the honorary degree, Doctor of Engineering.

Howard Kehrl has served as executive vice president of General Motors in charge of the design, engineering, environmental activities, manufacturing and research staffs and the patent section since 1974. He received his B.S. degree from Illinois Institute of Tech-



Howard H. Kehrl (L to R), Dr. Buell, Ralph E. Cross and William M. Agee pause before joining the graduation procession. Kehrl, Cross, and Agee were presented with honorary doctorates during L.I.T.'s 45th annual Commencement exercises June 5.

nology and his masters degrees from the University of Notre Dame and Massachusetts Institute of Technology.

Kehrl, 54, joined GM in 1948. He is on the board of the Dayton-Hudson Corporation and serves on Metropolitan Detroit's United Foundation, the United Way of Michigan Executive Committee, and a wide range of civic, educational, and community boards and councils.

Ralph Cross is president and chief executive officer of the Cross Company. He joined Cross in 1932 following studies at the Massachusetts Institute of Technology.

Cross, 67, is internationally known in the machine tool industry as the originator of a number of important developments in automation. He has more than 20 patents in his name, and is the recipient of many honors from professional engineering societies. His expert testimony has been sought by a variety of governmental bodies, including congressional committees and the U.S. Environmental Protection Agency. He served as president of the National Machine Tool Builders Association in 1975, and was nominated World Trader of the Year in 1976.

Welcome to our world

The 1977 L.I.T. Commencement Address by William M. Agee—chairman, president, and chief executive officer of the Bendix Corporation.

Let me begin with a confession. It is customary at moments like this to say that one is happy and privileged to be here—and I intend to honor that custom. I *am* happy and privileged to be here. Your campus is lovely. Your graduating class has that bright, fresh, eager look that every graduating class should have. I am impressed with the curricula and facilities of one of Bendix' closest neighbors, Lawrence Institute of Technology, and proud of the degree it has elected to give me—even if, unlike your own, it is only *honoris causa*. In a word, my cup runneth over, except for one thing: I feel I ought to say something important.

Now, making speeches is part of my job and you may feel that there is no great hardship in my having, as it were, to sing for my supper, just as I do when I visit one of our Bendix divisions or talk to a management club. But that would be a profound misconception—because this is not, after all, a management club or anything of the sort. It is, or should be, a ceremonial, a Memorable Occasion, what the anthropologists call a rite of passage. And this means—to me, at any rate—that it requires a quite different approach and frame of mind. It cannot simply be another platform from which to vent my opinions and express my concerns about inflation, say, or productivity, or the incoherence of the federal tax codes. Commencement is one of those special moments in life which call for ideas of another kind.

So I've got a problem. We have a way, in this country, of assuming that skills are indiscriminately transferable, and that prominence in one field must necessarily indicate expertise in others. So we seek baseball stars to endorse coffee-making machines, and listen caferfully when a Nobel Prize winner in biology tells us how to vote in a presidential election. This strikes me as a very dubious procedure. Why should you look to a corporate executive, after all, for ideas about anything but business?

Well, in this case, I think there are some reasons—and this, in fact, is what I want to talk to you about today. What business has business with general ideas?

By general ideas, of course, I mean those that people live by—whether they express our values or our views of the world. Commencement itself is such an idea. It implies a broad statement, a judgement about life. It says that we should place a certain value on each individual person and that each successive phase through which we pass should be noted and marked, solemnly and ceremonially. This was the thought, doubtless, that lay behind the ceremonies which most religions have instituted to celebrate the beginning and end of a human existence, as well as marriage and other solemn occasions. If, on the other hand, we accepted the notion of the 17th century English philosopher, Hobbes, to the effect that human life, as he put it, is "solitary, nasty, short and brutish", we might ask ourselves whether there is any sense in having a commencement at all.

The point, then, is that the ideas I have in mind are philosophical in

nature—not that they are unrelated to our daily concerns. They are very much related, in fact, but they have to do with ends rather than means, with political and economic theory rather than with the practice of management, with ethics rather than technology. In other words, they are the ideas which have traditionally belonged to academia or literature or the church. Business people were prepared to acknowledge that they had their place, providing they had acquired some official standing. But that place was certainly not in the business world.



Of course, there have been many exceptions to this general rule, and I am sure that some will immediately occur to you. Benjamin Franklin was both a businessman and a philosopher; David Owen was a textile manufacturer and a social thinker; and one of our most distinguished poets, Wallace Stevens, spent much of his life managing an insurance company.

Furthermore, we should bear in mind that business people, like all people, function in a framework of ideas whether they are aware of what they are doing or not—much like Moliere's Bourgeois Gentleman who, as you may recall, was astonished to learn from a professor of rhetoric that what he had been speaking all his life was prose.

Just as "those who do not know history are condemned to repeat it," there are certain ideas, mostly dating from Adam Smith and the social Darwinists of the 19th century, which survive in the after dinner speeches of our business community—even to this day.

The fact remains that until quite recently most American businessmen—and please note that we no longer say businessmen, we say business people—were quite content to leave philosophy and, for that matter, political science, sociology and even economics—to the professors. Or to the journalists

or politicians or anyone who had any use for them. They, certainly, did not. There may have been some closet metaphysicians in General Motors, clandestine logical positivists in Motors, clandestine logical positivists in U.S. Steel, secret devotees of Aristotle, Locke or Toqueville in the National Association of Manufacturers, but these people had good reason to keep their heads down and cover their tracks. Business—big, professionally managed business, in any event—was supposed to be a practical, not a reflective, activity; and an interest in general ideas could only be harmful to one's career.

Well, I have news for you. All that has changed.

It has, in fact, been changing for quite some time now, but the movement has accelerated very considerably in the past two decades. Business is no less a practical activity than it was, and the basic preparation for a business career still requires some mastery of at least one of the specialized disciplines, such as engineering or accounting or law. But business leaders know that something more is required—because they find themselves spending just as much time on political, ethical and sociological problems as they do on production, marketing and finance.

The reasons for this change are as many and as complicated as the factors which fashioned the modern world. History moves in a mysterious way, its wonders to perform. But whatever the reasons, they add up to an entirely new situation; rightly or wrongly, as a simple matter of fact, the legitimacy of what we have always regarded as normal business activity has been placed in question. Business in this country—and, for that matter, throughout the world—is embattled, and the battle is largely raging on the plane of ideas. It is not our professional or technical competence which is challenged. It is not our ability to produce and distribute commodities and services. If the survival of the private enterprise system and the market economy are at stake, it is because our ends—not merely our means—have been questioned.

This, in any event, is how a great many business people view their situation. It is the prevalent view, in any case, in what is called big business, the corporations which today are responsible for more than sixty percent of our national product. Perhaps it will strike you as overstated, or couched in excessively dramatic terms. And perhaps, when the dust has settled, you

will turn out to be right. But anyone who knows the business community, I believe, will recognize the picture I have drawn.

On the face of it, given the historic performance of our economic systems, there is something surprising in the fact that our business leadership feels itself so suspect, so unloved and so threatened in a society which it has done so much to enrich.

What has happened, of course, is that the spectacular rise in living standards has been accompanied by an equally spectacular rise in expectations. This is a matter of psychology, not numbers: the achievement for which one generation worked and struggled becomes the vested and unquestioned right of the next. But it becomes increasingly difficult to satisfy these expectations, so the sense of injustice persists. Along with the traditional kind of unemployment, which rises when the business cycle turns down, there is a new kind, which increases when unemployment insurance becomes more available. And then, of course, there is the problem of pollution, concern about dwindling and non-renewable resources, and the degradation of both the moral and physical environment through stress, rapid change and material abundance. Inflation becomes endemic. And as the system increases its complexity, its interrelatedness, its propensity for conflict, it creates an increasing demand for government intervention and arbitration—which means that, to the extent that it is successful, the free enterprise system tends unless we do something about it to become less free.

Now all this, as I have suggested, is a twice-told tale. In synopsis, perhaps, it sounds rather grim—not at all the sort of prospect one would want to offer a graduating class. Some of you may be wondering, therefore, why I should appear at this ceremony, like Banquo's ghost, to tell it again. My answer to that is very simple: I can think of no better way of welcoming you to our world!

During the past hundred years, for example, our real per capita share of the gross national product, expressed in 1958 dollars, has grown by a factor of eight, from about \$500 to more than \$4,000. Jobs were multiplied by a factor of eight, while our population was increasing by only a factor of five; and, needless to say, the same period—which roughly corresponds to the modern industrial era—saw a remarkable improvement in every other mea-

*“... the spectacular
rise in living standards
has been accompanied
by an equally
spectacular rise in
expectations.”*

sure of what we call the standard of living: in working conditions, in health, in housing and education and job security. There is no question that, in material terms at least, the record of the American economy compares very favorably with that of other economies, and especially with those which have tried with such dismal results to dispense with private enterprise and the market mechanism.

It is the very success of our economy, it seems to me, which provides the best clues to the paradoxical situation we find ourselves in today. The development of our technological and productive power, the increasing rapidity of communications, the spread of educational opportunity and the ever-widening availability of services of every kind—all this, while it does not yet suffice to wipe out poverty and inequality, creates an affluence which in turn gives rise to an entirely new order of problems.

Since World War II our economic growth has been interrupted by a number of brief recessions, one of which was quite severe. When that happens, of course, the problems of affluence hardly seem like problems at all. But over the long term, and increasingly, the challenge to our economic system seems to come rather from its beneficiaries than from those who have been left behind; not from what the 19th century Marxists called “the wretched of the earth,” but rather from the upwardly mobile, the middle classes, the intellectuals, the professional people and their offspring.

From this day forth the problems I have listed are yours as well as mine. The truth of the matter is that they, and a great many others, were always yours—but Commencement makes it official.

And the other side of every problem, of course, is an opportunity. Business people in our society may never have

been as powerful as the populist mythology would have it, but they do wield considerable power; and if they feel a need to re-establish the legitimacy of the private enterprise system and the market economy they must be prepared to show that their power is directed towards socially desirable needs. This should not be impossible—but how do we go about it? What do we do about labor's increasing insistence on participating in certain management decisions? How do we cope with the prevailing ignorance of the economic facts of life? In responding to community pressures, is it possible to distinguish between the Voice of the People and the voice of the cranks? What are the rights and responsibilities of multinational corporations in a world still dominated by national states?

These are some of the elements of the agenda which is yours now, as well as mine. Those of you who make your careers in business will deal with them directly, but each of you will have some part in determining how they come out.

The world into which we are welcoming you today is troubled, to be sure—even more conflicted, confused, complicated and uncertain than the one that welcomed me, some 17 years ago. But it also promises an interesting and challenging future—and the future, for the moment at least, is the only place to go.

A famous American, the writer Nathaniel Hawthorne, as you might know, spent much of his life in reclusion; and even in his most active periods he was always tempted to forsake the commerce of his fellow man for the joys and terrors of the contemplative life. Yet he came to feel that, in the end, self-realization could only be achieved in the world of affairs. “The truly wise,” he wrote in one of his sketches, “after all their speculations, will be led into the common path and, in homage to the human nature that pervades them, will gather gold, and till the earth, and set out trees, and build a house.”

So—let that be my final word to you! I hope you will bring what you have learned here into the world of business, which needs all the learning it can get. We don't gather much gold anymore, but we still till the earth and set out trees and build houses. And, far more than in Hawthorne's day, business has an abundance of problems and opportunities to challenge the “truly wise”—which, now that we have graduated, must include you and me.

Annual Giving Report 1976—1977

L.I.T. gifts set new record

The fiscal year ending June 30, 1977, saw new records set again for fund raising. Gifts to the Annual Giving Program reached a new high of \$435,526 as support increased in virtually all sectors. Most significant were increases in alumni gifts and in grants from business and industry. The College was also the recipient of two pieces of property that will, when ultimately sold, add substantially to our funds.

The Presidents Club

Established in 1974, the Club's first purpose was to stimulate an active interest and participation in the affairs of the College by alumni and friends. Another purpose was to establish a generous pattern of giving to the College by alumni and friends, and this became a reality indeed in 1976-77.

Presidents Club members contributed \$40,903 to L.I.T. during the past year. This was made up of 122 gifts, up from 97 the year before, and up \$7,102 from the previous year.

Thirty-six new members were welcomed to the Club at the annual meeting on October 21, 1976, bringing the total number of Presidents Club members to 158.

The members of the board of directors of the Club have been tireless in their efforts to extend invitations to interested alumni and friends. Their good work continues, and October, 1977, should see another impressive number of new members. The board includes Frank Noggle, president; Lee Zwally, vice president; Steve Davis, secretary/treasurer; and directors Ben Bregi, Art Kelley, John Popovich and Roger Shtogrin.



The generosity of alumni and friends helps make a college education a reality for L.I.T. students.

Alumni

General alumni support continued to grow during the past year. The Alumni Association has long recognized the need and desirability of greater involvement on the part of alumni in the Annual Giving Program. A higher level of involvement and support helps guarantee the same high quality, moderate cost education which students of yesterday enjoyed.

It was thus extremely encouraging to see the number of alumni gifts grow by 13 percent to 384. Dollars grew even more percentagewise, from \$29,681 in 1975-76 to \$36,607 in 1976-77, an increase of 23 percent.

The Alumni Association's efforts continue as we go into 1977-78. An "in-house" campaign at the Chrysler Corporation met with considerable

success, and the Association plans to expand into other companies during this fiscal year.

Our honor roll of alumni supporters follows:

Timothy G. Agajeenian
Daniel Agnello
Wayne Aikens
Paul S. Allmacher
Richard G. Allen
Alphonse Andrzejak
Irving Appelblatt
Darrel S. Ashby
Donald R. Ashton
Roger E. Avie
Charles V. Awe
Frederick Bachl
Melvin Bader
Clayton O. Baker
Edward J. Baker
Kenneth Bakhaus
Donald G. Bamford
Nick Baracos
Bill A. Battle
John A. Bauman
Donald W. Beattie
Frank H. Bell
Richard V. Bernard
Susan H. Biotti
Alexander Bireescu
William H. Bishop
Edward Bisson
David W. Bolla
Donald R. Bolle
Roy E. Bonnett
David G. Booth
Robert C. Boswell
Brian Bowron
William J. Boyd
Robert O. Brandau
Ben F. Bregi
Ernest E. Brown
Arthur E. Buck
Stanley L. Buckay
Wayne H. Buell
Gerard E. Burke
Clifton M. Burleson
Arthur A. Burr
William E. Butts
Max L. Camburn
Dennis J. Cantwell
Joseph F. Carolin
Joseph F. Cavanaugh
Donald A. Cergat
J. Ralph Chamness
Dante Ciammitti
Donald F. Clinton
Kenneth P. Comstock
Larry D. Cottrell
Garnet R. Cousins
Phillip J. Covey
Carl W. Cowan
Harry F. Cragel
William B. Crump
Emil S. Dahel
Michael T. DeClercq
Robert F. DeDoe
Dean V. DeGalan
Stanley C. Deller
Gerald W. DeLoy
Lawrence N. Diggs
Alfred L. Doherty
Edmund Dombrowski
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Friends

Gifts to the Annual Giving Program from friends of the College reached a record high of \$13,246, an increase of \$5,203 over last year. The College is deeply appreciative of gifts from the following:

Beatrice D. Adler
Elton J. Asmus
Eugene Bordinat, Jr.
Anthony B. Brehler
Edgar C. Campbell
Philip L. Cox
Terry Cross
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Kurt A.W. Stroebele
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Louis Weir
Robert E. Wilde
Walter B. Williams
Thomas Yack

Corporations

A milestone was reached in the College year 1976-77, as we set a goal of 100 corporate supporters and achieved a final tally of 105. This was up from 64 in the previous year. Our new corporate allies represent a good cross section of the business world—large and small, manufacturing and service, and both local and international.

We shall try very hard to continue to merit their support.

It is with pleasure and pride that we honor the following:

A.B.C. Roll Company
Acorn Building Components
Allied Chemical Company
Allstate Insurance Company
American Motors
Corporation

Aqua-Weed Control
of Oakland County, Inc.
Barton-Malow Company
Donald Beach & Associates
Bendix Corporation
Berry & Seyburn

Corporations— matching gifts

Many companies have matching gift programs. Under these programs, a gift to our College by a company employee is matched by the company. It encourages giving and provides extra income to Lawrence Tech. We are pleased to list the following matching companies, many of whom are

also listed among our regular corporate supporters.

ACF Foundation, Inc.	Fluor Corporation
Air Products and Chemicals, Inc.	Ford Motor Company
Allegheny-Ludlum Industries, Inc.	G.T.E. Sylvania, Inc.
American Broadcasting Company	Gould, Inc.
American Standard Inc.	Honeywell, Inc.
Austin Company	IBM
BASF Wyandotte Corporation	International Minerals & Chemical Corporation
Bechtel Corporation	Kidder-Peabody Company
Bendix Corporation	Martin-Marietta Corporation
Bundy Corporation	Owen-Illinois, Inc.
Chrysler Corporation	Pfizer, Inc.
Citicorp	Rockwell International
Ex-Cello Corporation	Sperry-Rand Corporation
Firestone Tire & Rubber Company	Teal Electric Company
	Wallace Murray Company
	Warner-Lambert Company
	Westinghouse Corporation
	Arthur Young Company

Associations

The College has long enjoyed support from a number of associations, particularly those allied with the construction industry. Support from the latter arises from the establishment of our Construction Engineering Program in the School of Engineering in 1969. To them and to all other associations, we express our deep appreciation. Together, they contributed \$42,081 to L.I.T., an increase of \$19,982 over last year.

Builders Exchange of Detroit & Michigan	Oak Park Amateur Radio Club
Detroit Amateur Radio Association	Oakland County Engineering Society
Engineering Society of Detroit	Plumbing & Heating Industry of Detroit
General Motors Girls' Club	Rotary Club of Southfield
L.I.T. Alumni Association	Sheet Metal Employers Promotion Fund
National Electric Sign Association	Society of Carbide & Tool Engineers
National Electrical Contractors Association	Southfield Public Schools
National Fund for Minority Engineering Students	U.S. Air Force — R.O.T.C.

Foundations

Foundation support tends to be of an up-and-down nature, and 1976-77 saw us in the "down" phase. Down, however, only because of two very substantial grants received the year before—from the Kresge Foundation and the Edith and Benson Ford Fund. Ten foundations made grants which totaled in excess of \$25,900. We are deeply indebted to them for their tangible expressions of interest in our teaching programs. The following foundations made significant gifts to the College during the past year:

Carman Adams Foundation	Fisher-Insley Foundation
Charles M. Bauervic Foundation	W.K. Kellogg Foundation
Asa W. Bonner Foundation	Harry A. & Margaret D. Towsley Foundation
Cline Foundation	Lula C. Wilson Trust
Earhart Foundation	

Land and buildings

The College was most fortunate in being the recipient of two pieces of real estate last year.

The Redstone Building, located at 10811 Puritan in Detroit, was given to the College by Louis & Ruth and Solomon & Nellie Redstone.

The Cleaners Hanger Building, located at 18140 James Couzens, Detroit, was given to the College by Richard W. Ruen, president, on behalf of the Cleaners Hanger Company.

Both buildings are now leased and will be sold at some future date. The proceeds will then be placed in one of the College's endowment funds.

The College is keenly appreciative of these significant gifts.

College employees

One of the most encouraging aspects of voluntary giving to the College is that of employee gifts. Dr. Richard E. Marburger, newly-elected president of the College, again headed up this activity. In all, 43 gifts were received, totaling more than \$7,300. Our honor roll of employee contributors follows:

James Abernethy	Karl H. Greimel
Victor Angelescu	G. Robert Harrington
Bruce J. Annett, Jr.	Stanley F. Harris
George F. Bowden	Kenneth G. Larkins
Cleophas M. Buck	George W. Mach
Wayne H. Buell	Richard E. Marburger
Floyd W. Bunt	Zaven Margosian
William C. Burke	Richard S. Maslowski
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Leonard A. Forrest	Edward M. Spencer
Fay E. Gifford	James O. Trew
William C. Gray	Nandor J. Zimmersmann

Students

Last but certainly not least, we invariably have some students who make gifts to the College. Our special thanks to the following:

Brian Crowley

Henry Roemmelt

Jobs are goal of state/industry/L.I.T. venture

More good jobs for area residents are the direct result of a cooperative training program that's pooling the resources and expertise of industry, government, and education. Best of all, everyone seems to be benefiting—the workers themselves because they're acquiring new skills needed to fill job openings; new or expanding industries who are reducing employee turnover and who are freeing their capital which would have been spent on training; and the State's economy because healthy industries and employed workers increase revenues.

The Michigan Department of Labor, Lawrence Institute of Technology, and a Troy firm, Formative Products, Inc., were involved in one such joint venture this summer.

Called the Comprehensive Employment Program, the effort is coordinated by the Bureau of Employment Training of the Michigan Department of Labor. In a nutshell, it involves funding, preparing and managing a training program to provide firms a qualified labor force when it's needed.

"Many factors are considered by firms relocating or expanding," says James L. Patterson, area field representative for the Michigan Department of Labor. "Obviously if we can attract a new enterprise to the State or help an existing one expand, it means more jobs and an enlarged economic base in that particular region and the State as a whole.

"A prime consideration is availability of trained personnel who can meet the employers needs. Managers of expanding companies have enough financial and management problems without also being confronted by the chance of not having a trained labor force. That's where we can help."

Formative Products of Troy enlisted the aid of the Bureau several months ago to develop a method of teaching new employees a remarkable procedure of forming metal shapes by a process called "vaporforming"—actually forming shapes by moving metal atoms in a gas. The 120-employee firm manufactures molds, die models, patterns and molded parts.



Examining the vaporforming chamber simulator are (L to R) Formative Products Vice President of Operations Gene W. Powers, President Louis J. Steigerwald and trainees William Finelli of Sterling Heights and Randall Kiesling of Madison Heights. The chamber was constructed at L.I.T. to simulate actual plant operations.

"The new process moves metal forming from the stone age to the atomic age as far as we're concerned," says Louis J. Steigerwald, president of Formative Products. "The only other firm in the country doing it is in Pennsylvania however—operated as a division of Formative Products, and equipment and training methods had never been developed from scratch."

"Each training program is tailor-made for the company involved," adds Patterson. "What's unusual about the Formative Products program is that a whole new set of job skills had to be developed for a revolutionary process."

Lawrence Institute of Technology's School of Engineering was selected to research, develop, and administer the training to new workers hired by Formative Products. While the Bureau of Employment Training does the actual recruiting of the potential workers, the company involved makes the final decision as to who is hired.

"But the new employees aren't recruited from existing positions," stresses Patterson. "They must have been unemployed at least two weeks." The 19 students involved in the L.I.T./Formative Products program range in age from 19 to 50.

Working under a deadline of only a few weeks, and because the vaporforming process was so unique, it was necessary for L.I.T. faculty to journey to Pennsylvania and interview the developer of the process as well as complete the herculean task of distilling over 800 pages of technical papers, reports, and research results into a 260-page training manual that lay employees could understand.

"It's been an interdisciplinary approach here at the College," says Dr. Stephen R. Davis, dean of L.I.T.'s School of Engineering. "We've had faculty from the chemistry department as well as our own engineering faculty involved in the development and teaching. Our own machine shop even built the various training simulators." (Normally, L.I.T. professors are teaching a number of 4-year baccalaureate degree programs offered at L.I.T.'s 85-acre suburban campus.)

And how do the graduates of the five week training program feel?

"To sum it up in a word, my experiences have been great!" says Andy Emond, 23, of Sterling Heights. "There was a real spirit of cooperation and purpose among everybody involved—both the students and staff. While the math sort of scared me for awhile, I've been enjoying it so much lately I've been taking my manual home to do extra studying on my own."

"I enjoyed the upbeat, positive approach the faculty took in presenting the material," added John Laconis, 28, also a Sterling Heights resident. "And of course it's a good feeling knowing that you're one of only a few people in the country skilled in this particular process. I can't wait to get to work!"

"All the trainees seemed to regard this program as an excellent opportunity to become more knowledgeable and to enhance their skills," concluded Dr. John D. Hromi, associate professor of mechanical engineering at L.I.T., and the project's director. "Their attitudes are healthy. There were no drop-outs. With this kind of spirit, our objective to prepare these folks for a special place in the world of work will be achieved."

An interview with L.I.T.'s new president, Dr. Richard Marburger

Q. It has recently been announced that the L.I.T. Board of Trustees has elected you President. What were your feelings as you were informed of this?

A. Obviously, a feeling of pride. More importantly, a feeling of understanding the mandate associated with this appointment. Dr. Buell called me personally to tell me of this organizational change; during this conversation, he made it very clear what he and the Trustees expected of me.

Q. What may we expect of you? Radical change? New directions?

A. It is my pleasure to tell you "None of the Above." One of the remarkable strengths of L.I.T. lies in the fact that we already know exactly what to do, academically and managerially. The only things we really need are a few more hours in the day to accomplish what we want to do and additional support funds to complete the campus.

Q. You speak of knowing "exactly what to do." How do you obtain this knowledge?

A. Quite frankly, from my mentor, Wayne H. Buell. Emerson once said "An institution is the lengthened shadow of one man." In the case of L.I.T., the three previous presidents have each made separate and distinct contributions.

Q. What legacy have your three predecessors passed on to you?

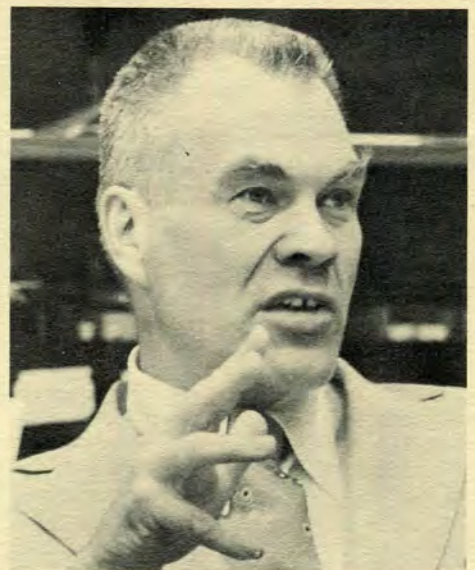
A. As I understand it, President Russell Lawrence founded the College with its strong emphasis on a structured Evening College program and cooperative education. President George Lawrence possessed an ability to perceive land



values and growth patterns in the Detroit area, which led to our fine location. During his 30-year term as president, three Schools were added to the College. Dr. Buell has further developed the academic philosophy which has made us strong, encouraged sound business practice on the campus, added the School of Arts and Science, acquired or built several important buildings and assembled our outstanding faculty and staff.

Q. It is apparent that you feel that you have been provided with the ingredients not only to maintain the College's fine reputation but to enhance it further. How do you rank the strengths of L.I.T.?

A. There are five of these strengths as I see it: personnel, operational philosophy, alumni, location and facilities. Taking these in the order mentioned, we have an excellent team of Deans and Department Chairmen who supervise a very effective and hard-working faculty. They are supported by an outstanding group of administrators (Registrar, Director of Admissions, etc.). Our academic and managerial philosophies enable us to "couple academic excellence with efficiency of operation." The L.I.T. alumni have established an enviable record in their professional fields and in their communities. The location speaks for itself with its easy accessibility and the woods and streams which provide the pleasant rural setting for the



campus buildings. As noted above, some additional buildings are needed to complete the campus master plan.

Q. You have alluded to a "philosophy of operation." Specifically, what is included in this concept?

A. There are a number of salient features to this concept.

- I. A completely structured Evening Baccalaureate program which is identical to the Day College program. A student may complete a Bachelor of Science degree program completely in the Evening College within a six-year period.
- II. Complete utilization of facilities with three student bodies occupying one set of buildings. The hours of operation are from 8 A.M. to 11:30 P.M.
- III. Non-proliferation of courses and class sections. Careful attention is paid to the needless duplication of courses—a wasteful practice that is found in many academic institutions. On our campus, business courses are taught in the School of Business and Industrial Management to serve students in all disciplines; mathematics courses are taught in the Mathematics Department, etc. We are greatly assisted in maintaining this absolutely essential



position by the great mutual respect the Deans have for each other. Proliferation of wasteful and unnecessary course offering stems from "empire-building." That is totally absent from this campus.

- IV. Budgetarily speaking, the "shoe is cut to fit the leather." In other words, income is carefully projected for the coming fiscal year and then total expenditures are limited to not exceed projected income.
- V. An extensive list of part-time teachers with superb credentials is utilized to give tremendous depth and additional support to our fine full-time faculty. The various accrediting agencies which endorse our academic programs have recognized the scholarly teaching contribution these acknowledged experts make to our programs.
- VI. Students, faculty and staff are treated with even-handed fairness. We deal with people in a consistent manner. We are careful to recognize that if a rule is bent to accommodate one person, we must offer the same accommodation to all others. Hence, to operate in an orderly fashion, we have been successful in devising a set of relatively simple but fair operational rules from

- VII. which we do not deviate. The opinions of students, faculty and staff are "listened to" with great care. For example, the Curriculum Committee is made up of faculty members who understand very well the economic danger that duplication and proliferation of courses present to this College. Proposals for new course offerings are brought before this committee for their recommendations, pro or con. This committee has shown a remarkable ability to detect courses that, masked under euphemistic titles, duplicate courses already offered.

Another example concerned a recent revision made in the registration procedure. The comments of students and staff were solicited and considered before the final decision was made.

- VIII. Private colleges serve public purposes. L.I.T. is very active in organizations which ultimately serve the public. Such organizations include the Engineering Society of Detroit and the Business/Education Alliance, Inc. Additionally, we sponsor Summer Science Institutes, the Detroit Metropolitan High School Math Club and other educationally-oriented projects which

benefit the community. Such community-oriented projects include the Metropolitan Detroit Metric Council which is headquartered on this campus and coordinated through the School for Associate Studies, medical courses run by Providence Hospital for its staff (School of Arts and Science); a vapor-deposition training course for the State Department of Labor supervised by the School of Engineering and numerous community architectural projects developed by the students and faculty of the School of Architecture.

- Q. **In your opinion, why did Dr. Buell and the Trustees decide to promote you at this time?**
- A. As you might expect, I have found the timing of this move to be an interesting speculation. My own perception is that they, of course, would like any successor to be able to deal with matters in the manner with which the chairman approaches them. Those techniques have been demonstrably successful for us.
- Q. **Does the plan call for you to conduct the day-to-day operations of the College while the chairman and the vice-president for development make calls to obtain the additional support funds mentioned earlier?**
- A. Duties of the Chairman, who is the chief executive officer, and the vice president for development include much more than fund raising. However, we do work closely together. The faculty and I interact enthusiastically with prospective contributors; it is my privilege to conduct whirlwind (but informative) tours of the campus so that donors may see the variety of academic projects that deserve their support.
- Q. **How may readers of the L.I.T. Magazine add their support to you in your new position?**
- A. In several ways. Obviously, philanthropic contributions to L.I.T.

via Mr. Harrington's office are of great value to us because they allow us to make capital purchases which we could not otherwise afford. In addition, if they would recommend our College to qualified students, it would benefit both students and L.I.T. As you know, it is vitally important to us to convey the knowledge of our academic excellence to prospective students; however, it is extraordinarily expensive to maintain all of the avenues of communication to do the job effectively. Word-of-mouth recommendations of students, alumni and friends represent a most effective method of communication.

Q. What has the reaction been to your elevation to the Presidency?

A. I am pleased that it has been positive and affirmative, with no exceptions. As an example, John Campbell, retired Scientific Director of the General Motors Research Laboratories and one of my former "bosses", sent me the following letter:

Dear Dick:

It was great to read in the Detroit Engineer of your forthcoming promotion to President of Lawrence Tech.

Congratulations!

You have been well prepared by experience and by your long association with your fine predecessor Wayne Buell.

It is a great pleasure to me personally to see you moving upward.

Best wishes,

*Sincerely,
[signed] John*

Q. There is quite a coincidence about dates. What is that story?

A. I was hired in the Physics Department at the General Motors Research Laboratories on June 9, 1952. It was exactly 25 years later that Dr. Buell notified me that he and the Trustees had, on that day (June 9, 1977) elected me the fourth President of Lawrence Institute of Technology.

Q. Although L.I.T. is the second largest independent college in Michigan, it is relatively small compared to the community colleges and state universities. How can L.I.T. compete with mammoth educational institutions subsidized by public funds?

A. L.I.T. does not try to be all things to all people. We are very good in the curriculums which we do offer. Thus, we compete in the sense that we offer an alternative. If a student wishes to study at a college where the course offerings are excellent, the surroundings pleasant, the parking is free, and personal attention (e.g. it is easy to consult with faculty and administrators) is readily available, then L.I.T.'s programs, coupled with its reasonable tuition, are the ideal choice.

Careful attention to budgeting insures that our tuition remains among the lowest of the independent colleges. The philosophy of "sharing" saves us enormous amounts of money which would otherwise be expended in foolish duplication. For example, Dean Davis of the School of Engineering shares engineering laboratories and Dean Greimel of the School of Architecture shares architectural studios with Dean Michel of the School for Associate Studies. Dean Margosian of the School of Arts and Science shares the Computer Laboratory with Dean Lahr of the School of Business and Industrial Management and all of the other Deans, etc.

Our faculty and staff feel a real sense of dedication towards the principles which govern our College. It would be difficult to find a harder-working or more capable group of colleagues.

Q. Finally, do you have any special goals for the College?

A. Very simply, for the College to follow in the excellent upward path established by my predecessors. With continued determination not to depart from the principles that have made us academically and operationally strong, it remains only for us, with ever-increasing vigor, to continue to communicate to our prospective students the excellence we do in fact possess.

Busy summer

While some colleges go "into hibernation" during the summer months, Lawrence Institute of Technology was busier than ever.

A record high enrollment of 1000 day and evening students attended summer baccalaureate or associate degree classes on campus this year, up from 884 the year before and fully double the summer enrollment of 1973.

Concurrently, L.I.T.'s ninth annual Summer Science Institute brought sixty talented high school students to campus for six weeks of intensive exposure to chemistry, physics, mathematics and computer science.

Coming from high schools throughout southeastern Michigan, the group also had the opportunity to hear addresses by Mr. Richard Terrell, vice chairman of the General Motors Corporation, Dr. Stephen Fuller, vice president of personnel administration and development staff at General Motors, Mr. John Hamann, president of the Detroit Edison Company and a member of the L.I.T. corporation, Mr. William Coleman, general manager of Eaton Corporation's Research Center, and all five of L.I.T.'s deans.

The L.I.T. Summer Science Institute, which is free to participating students, was funded this year by the General Motors Corporation, Marathon Oil, the Lula C. Wilson Trust and the Towsley Foundation.

Another special outreach program was coordinated by Dr. Oliver Coleman, L.I.T.'s special project administrator. Involving 44 outstanding minority students (2 from every Detroit high school) the program was designed to encourage students to seek careers in science, engineering, or business. L.I.T.'s five deans were among the speakers which addressed this group. Field trips included excursions to the Ford Scientific Laboratories; General Motors Technical Center; Detroit Edison Laboratories; Giffels Associates, architects; Chrysler Engineering and Research; Burroughs; Parke-Davis and Co.; Ethyl Corp.; Fermi II Nuclear Plant; Smith, Hinchman and Grylls, architects; the Engineering Society of Detroit; Jones and Laughlin Steel; Manufacturers Bank; Allied Foods; BASF Wyandotte; WTVS Channel 56; and the Computer Center of the Detroit Public Schools.

ALUMNI NOTES



Lisk, IM'73

Lisk elected Alumni President

President of the L.I.T. Alumni Association for 1977-78 is Marlyn K. Lisk IM'73, who received the gavel from

retiring president Roger F. Shtogrin IM'61, at the Association's annual dinner June 9th at Plum Hollow Country Club in Southfield.

Other new officers include: Joseph J. Dyki ME'62, vice president; Charles A. Koury MA'73, treasurer; Nicholas Sarzynski IM'64, recording secretary; and Dennis R. O'Connell IM'70, corresponding secretary.

Directors are: Roger F. Shtogrin IM'61; Theodore Milek ME'51; J. Paul Seehaver IM'72; Henry Tamagne ME'51; Arthur Fischer IM'65; Sam E. Dukes ME'59; and John Fawcett ME'43.

Speaking of Alumni Association goals for the coming year, Lisk said effort would be made to expand the range and scope of alumni programs, including social activities and the merchandise discount program with local merchants. He also congratulated Roger Shtogrin for his many accomplishments during the two terms of his presidency.

Note: This issue contains Alumni Notes received prior to August 4, 1977. Notes received after that date will appear in the next issue of the L.I.T. Magazine.

1933-49

Donald E. Mulligan, P.E., IE'48, vice president and manager of the Process Division of Sanders & Thomas, Inc., consulting engineers, retired in June after 22 years with the firm.

He and his wife, Clare, are entering the long-haul trucking business as independent owner-operators. His wife will travel with him, and assist in both driving and business management.

As Process Division manager, and previously as project engineer, Mulligan has been responsible for many industrial and research projects, including deep sea simulator laboratories, hypersonic wind tunnels, and manufacturing facilities for petro-chemicals, paper, plastics, metals and other products.

He and his wife reside in Reading, PA, which will be his trucking headquarters.

1950-59

Gerald J. Lonergan, Civ.Eng.'55, has been awarded the "Louisville Award" for the third time by the Municipal Finance Officers Association of the U.S. and Canada. No other public finance officer has ever received the award three times since its inception in 1945. Lonergan is auditor for the County of San Diego and received the award for the highly successful implementation of a computerized integrated financial management and accounting system for that County. The system has subsequently been adopted by a number of public agencies throughout the nation.

Lonergan's first gold medal was awarded in 1968 for development of a small purchase order pre-payment system. The second gold medal came in 1974 for the successful adoption of a program of state legislation which eliminated archaic constraints permitting more efficient financial operation of County governments statewide. He lives in the University City area of San Diego, CA.

Delton E. Lohff, Civ.Eng.'57, is president of Kieft Engineering, Inc., of Clarkston. The firm provides consulting, civil engineering and surveying services in southern Michigan for private and public firms specializing in subdivision development.

Lohff was recently elected president of the Michigan Society of Registered Land Surveyors, and is serving on the Board of Directors of Consulting Engineers Council of Michigan. He is also on the Board of Directors of North Oakland County Builders Association. He and his wife, Marian, and two daughters reside in Clarkston.

Richard L. Exler, ME'58, has recently been promoted to truck sales development manager of Chrysler Corporation's Western area with offices located in Fullerton, CA. He has been with Chrysler since April, 1951, in the Dodge truck section — 14 years in engineering, and 12 years in field sales activities.

Achievements of five alumni recognized



Five L.I.T. alumni were recipients of Achievement Awards at the 1977 Commencement exercises June 5. Honored were (L to R) Fredric A. Bertram, AIA, Ar'62, vice president/design with Rosetti Associates, Inc., architects and planners; Roger F. Shtogrin, IM'61, personnel placement and development administrator for the Chrysler Corporation; William M. Sinclair, Civ.E.'64, city manager of Rochester (MI); Ronald P. Linden, IM'63, production manager of the Chicago Tribune; and Ronald L. Rainson, EE'66 and IM'69, president and general manager of East Kentucky Power Cooperative. Trustee Richard H. Cummings made the presentation.



Mulligan '48

Lawrence H. Hogan, ME'58, has been promoted from vice president of sales to vice president and general manager for Matrix-Churchill Corporation, Solon, OH. In his new position, Hogan assumes full profit responsibility. He will direct engineering, finance, manufacturing, and marketing activities for the company's complete line of machine tools.

He is an MBA finance graduate of the University of Detroit. Hogan is a registered professional engineer in Ohio and Michigan. He and his wife and daughter reside in Chagrin Falls, OH.

1960-69

Edward J. Burke, IM'60, recently returned from Iran where he directed an Industrial Modernization Program for government-owned industry. Mr. Burke directed a staff of 23 expatriates and 48 Iranian engineers in successfully achieving objectives of cost reduction, equipment

modernization, productivity improvement, and the introduction of modern management techniques throughout 14 major industrial complexes ranging from sophisticated electronics to cotton seed oil extraction. Prior to Iran, Mr. Burke was in Libya developing agricultural support services for the Ministry of Agriculture. He was responsible for establishing procurement programs, building warehouses, and for developing equipment maintenance programs for Massey-Ferguson, Caterpillar, John Deere, International Harvester, Volvo, and Fiat.

David C. Travis, IE'60, has been named to the new position of manufacturing operations manager of Ford Tractor Operations.

Travis was formerly manager of Ford's Sharonville, OH, manufacturing plant. He joined Ford in 1957 and has held management positions at the Company's Rawsonville, Saline, Owosso and Ypsilanti manufacturing plants. He has an M.B.A. in advanced management from Michigan State University.

U.S. Air Force Major **William E. Krimmel, IM'62**, has graduated from the Armed Forces Staff College at Norfolk, VA. The five-month Department of Defense school provides students with intensive education related to national and international security. Major Krimmel is being assigned to the Air Force Management Engineering Agency, Randolph AFB, TX.

Roy H. Reiterman, AE'62, has been promoted to sales engineer in Bethlehem Steel Corporation's Houston sales office. Prior to his promotion, Reiterman was sales engineer in the firm's Kansas City, MO, sales office of the St. Louis sales district. He is a member of the Producers Council, Inc., the Construction Specifications Institute and is a registered civil engineer in Michigan and Kansas.

John E. Campbell, IM'63, has been elected a trustee of the Howell, MI, Board of Education. Campbell is married and is the father of two children.

Douglas N. Erwin, EE'63, is the superintendent of the Toledo Edison Company's Substation Construction and Maintenance Department. He received his M.S. in industrial engineering from the University of Toledo in 1968.

Erwin is the past president of the Board of Trustees of the Northern Wood County Chamber of Commerce. He is the father of two sons and resides in Toledo, OH.

Joseph J. Speth, MT'63, has joined the Clark Equipment Company Axle Division's Engineering Department as chief product engineer. In his new position, he will supervise application engineers in the selection and approval of proper axle equipment for original equipment manufacturers. He will also be responsible for the development of new products and systems to meet these customer's requirements. Prior to joining Clark, Speth served Rockwell International for 21 years.

Speth is a member of the Society of Automotive Engineers, Engineering Society of Detroit, and the Construction Industry Manufacturer's Association. He has also

News for Alumni Notes

Use the space below to send us news about you or your L.I.T. friends. Tell us about honors, promotions, marriages, appointments and activities. Moving? Please send us your new address.

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News notes:

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



Lonergan '55



Hogan '58



Burke '60



Travis '60



Hargraves '68



Cousins '73



Miller '73



Filipek '77

served as a Society of Automotive Engineers panelist on the application of axles for light trucks.

Harold R. Varner, AIA, AE'65, executive vice president of Sims-Varner & Associates, Inc., received the annual Engineering Society of Detroit Building and Construction Recognition Award for the design of the Orleans East Housing Development. The award is limited to construction projects built in Michigan in the last three years. The entries are judged on criteria that include: land use/environmental considerations; appropriateness of materials; innovative construction methods; quality of overall design; unique mechanical/electrical system features; degree of energy consciousness; end use/economic and social impact on MI.

Kenneth W. Fowler, IM'66, recently became a General Motors Dealer in Ukiah, CA. The Dealership carries Cadillac, Pontiac, Buick, and G.M.C. Trucks. He was previously district sales manager for Cadillac Motor Car Division for Northern CA. He resides with his wife and two children in Ukiah.

Talal K. Darzi, Ar'68, is assistant project manager for the Saudi Arabia Monetary Agency in Riyadh. He is supervising the construction of two ten-story concrete towers, designed by Minoru Yamasaki and Associates. Darzi will be returning to the States by the first part of 1978.

Gerald T. Hargraves, ME'68, has been named general superintendent-manufacturing of Pontiac Motor Division's Casting Plant. Hargraves joined Pontiac in 1959. He became a foreman in the pattern shop in 1964, and two years later was named a general foreman. He was appointed an assistant production superintendent in 1973, and became manufacturing superintendent in 1975. He and his wife have two children and reside in Union Lake.

Thaddeus C. Maslowski, IM'68, has received the 1977 Merit Award from the Association for Systems Management, an international group concerned with management information systems, including data processing and computers. The Association works to improve the professional and technical skills of persons involved in information systems.

Maslowski is the president of the North Detroit Chapter of the Association and has served as membership chairman, treasurer, secretary and program chairman before assuming his present post. Maslowski is a manager-consultant with Arthur Young & Company, Detroit.

1970-77

Charles W. Swenson, IM'70, has been named a sales manager in the Prudential Insurance Company's Livonia district office. He now supervises a staff of seven sales representatives headquartered in Livonia Pavilion East. He has also received the company's award for sales leadership.

Swenson is a member of Theta Xi fraternity. He and his wife, Judy, and their son reside in Redford.

Giles Ziolkowski, IM'70, has received a masters degree in business administration from Eastern Michigan University. He is the assistant director of advertising and public relations for Florists Transworld Delivery Assoc. (FTD). Ziolkowski resides in Dearborn Heights.

Richard F. Czubaj, IM'71, field examiner for the National Labor Relations Board, received his MBA from Xavier University. He is now attending Chase College of Law in Cincinnati, OH.

John Peterson, Jr., Ar'72, is employed by Chrysler Realty Corporation, Troy, MI. His current job classification is zone construction engineer assigned to the Memphis, TN, region. Peterson's responsibilities include supervising all new construction and maintaining existing facilities in the Mid-South.

J. Paul Seehaver, IM'72, has been promoted to the regional staff position of manager, transportation management with the U.S. Postal Service. His responsibilities include the contracting for and administration of all rail, air and highway transportation for traffic emanating from or moving within the State of Michigan, for establishing and maintaining cost effective distribution and routing schemes for all classes of mail carried by this transportation, and for the development and use of appropriate control procedures through the use of ADP equipment.

Prior to his appointment, Seehaver was manager, control and logistics with the Detroit Bulk Mail Center, USPS.

Harold J. (Skip) Miller, ME'73, recently received his MSME from Oakland University. He has been promoted to manager of the Engineering Analysis Department at G.M.C. Truck & Coach Division of General Motors.

Garnet R. Cousins, Ar'73, B of Ar'75, of Ellis/Naeyaert/Genheimer Associates, Inc., architects and engineers, has received his professional registration from the State of Michigan. Cousins joined the firm in 1976. He is a resident of Birmingham.

George Schneider, Jr., DT'73, has been appointed sales administrator for the Carmet Materials Division of the Carmet Company (a subsidiary of Allegheny Ludlum Industries). In his new position at Carmet, Schneider will be the direct liaison for sales engineering and Carmet's nationwide industrial distributor network. In addition, he will have authority over all carbide evaluation procedures and reports, as well as production and implementation of all sales and distributor training aids and programs.

Schneider is an industrial engineering graduate from Kent State University and earned a masters in business from Case-Western Reserve.

Ronald D. Grocoff, Ch'75, was on the Dean's List for all three terms of his first year at the Ohio College of Podiatric Medicine in Cleveland.

This summer he is working for the R.O. Hull Co. (division of the Lubrizol Company)

of Cleveland as a technical service engineer-salesman of electroplating products.

Bruce D. Hoenle, MA'75, ME'75, has recently received his M.S. degree in mechanical engineering from Purdue University, West Lafayette, IN.

David R. Nadeau, IM'75, has joined the firm of Watkins/Ross/Waterfield and Baines, pension consultants and actuaries, as a professional support director. He will be responsible for the coordination of work on planned documents. Prior to joining this firm, located in Grand Rapids, he was an Internal Revenue Service tax specialist and a consultant.

Arthur J. Makarewicz, BA'76, is the new director of the Veterans Memorial Recreation Center located in River Rouge.

He was employed at Great Lakes Steel prior to becoming employed with the City of River Rouge in 1970. He worked for the Department of Public Works until his recent appointment. He was also a part-time accountant with V.P. Nagy, Inc., of Livonia.

Makarewicz and his wife, Toni, and their two children reside in River Rouge.

Navy Ensign **Michael J. Meyers**, CE'76, has completed the Officer Indoctrination School at the Naval Education and Training Center, Newport, RI. The course is designed to prepare newly commissioned officers for duty in the Navy field staff corresponding to their civilian professions. Meyers joined the Navy in December 1976.

Rodney J. Filipek, EE'77, **John A. Foote**, Jr., EE'77, and **David L. Messenger**, EE'77, have all accepted field engineering positions with General Electric's Installation & Service Engineering Division (I&SE).

They will receive technical training at I&SE's Field Engineering Development Center in Schenectady, NY, and on-the-job assignments with I&SE and GE product departments as members of the Company's Field Engineering Program. Headquartered in Schenectady I&SE offers technical direction, job management and complete project services for installation, maintenance and start-up of GE mechanical, nuclear, electrical and electronic equipment.

All three of the recent graduates are members of the Institute of Electrical and Electronic Engineers. Filipek and Foote are members of the Engineering Society of Detroit and Messenger and Foote are members of the National Society of Professional Engineers.

In memoriam

Harold E. Foxman, Ch'38, of Baltimore, MD, December, 1976.

Scott W. Johnson, Ar'73, of Wilmington, VT, June, 1976.

Norman J. Perry, IM'61, of West Nyack, NY.

Morris A. Safford, EE'67, of Sterling Heights, MI, November 21, 1976. He is survived by his wife, Irene.

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Faculty / staff update

R. Bruce McAfee, associate professor of business and industrial management and **Blake C. Green**, IM'74 co-authored an article which appeared in the June, 1977 issue of *The Personnel Administrator*, the magazine of the American Society of Personnel Administrators. The article, entitled "Selecting a performance appraisal method," deals with methods for evaluating an organization's employees. Green is senior personnel representative at Detroit's Henry Ford Hospital. McAfee is a doctoral candidate in industrial psychology at Wayne State University.

Joseph B. Olivieri, associate professor of architecture, has also been named energy conservation consultant for the Bloomfield Hills (MI) School District.

Dorothy H. Clark has been named an admissions counselor. Clark earned her B.S. degree from Central Michigan and her M.A. from Michigan State. She formerly served in a variety of administrative positions with the U.S. Army, most recently as a recruiting/assistant operations officer in Lansing.

Flint native **Thomas F. Crandell** has been named an admissions counselor. Crandell, 27, holds both a B.S. and M.S. degree in biological sciences from Oakland University. He is a former biology lab instructor at Oakland, and was also an application engineering technician for an Owosso firm.

Melvin L. Janney, assistant director of business affairs, has been recognized by his professional colleagues and awarded the designation, Certified Purchasing Manager (CPM). The CPM title signifies achievement of stringent standards of competence and proficiency in purchasing and materials management as established by the National Association of Purchasing Management.

Thomas H.F. Masson, associate professor of humanities, participated in a "professor in residence" program at the National Bank of Detroit. The program helps L.I.T. professors bring current, firsthand knowledge of the needs of a variety of business organizations back to the classroom in an effort to better prepare students for "real world" careers.

Associate Professor of Architecture **James Abernethy** recently coordinated a tornado-spotting workshop for metro-area school district officials. The program featured Robert Snider, meteorologist-in-charge of the Detroit region of the National Weather Service, and was designed to help participants recognize conditions which may proceed a potential tornado disaster.

Beulah M. Buck, registrar, attended the national conference of the American Association of Collegiate Registrars and Admissions Officers in Houston, TX. Sessions on course registration, legal liabilities and record computerization were attended by Mrs. Buck.

Gregory R. Cheek has joined the faculty as an assistant professor of business and industrial management. Cheek, 28, was formerly general supervisor of metal assembly for the Fisher Body Division of General Motors Corporation in Grand Blanc. He received his B.S. degree in industrial management and his masters degree in engineering technology from Western Michigan University, where he participated in industrial curriculum development and instruction.

He is a past president of the Industrial Management Society, a member of the WMU Engineering Council, and also holds the distinction of being Michigan's 1974 AAU Light-Heavyweight Boxing Champion.



Stick 'em up!

Automobile window decals emblazoned with the College name are available free by calling or writing the L.I.T. Office of Public and Alumni Relations, 21000 West Ten Mile Road, Southfield, MI 48075; (313) 356-0200. Stick 'em up and show your spirit!