

Summer 1972

Volume XI - Issue 3 - Summer, 1972

Echoes Staff

Follow this and additional works at: https://scholar.rose-hulman.edu/rose_echoes

Recommended Citation

Staff, Echoes, "Volume XI - Issue 3 - Summer, 1972" (1972). *Rose Echoes*. 105.
https://scholar.rose-hulman.edu/rose_echoes/105

This Book is brought to you for free and open access by the Other Institute Publications at Rose-Hulman Scholar. It has been accepted for inclusion in Rose Echoes by an authorized administrator of Rose-Hulman Scholar. For more information, please contact weir1@rose-hulman.edu.

ECHOES

Rose-Hulman Institute of Technology



ROSE-HULMAN
INSTITUTE OF TECHNOLOGY

ON THE BANKS OF THE WABASH

Summer '72

ECHOES

Rose-Hulman Institute of Technology

ALUMNI MAGAZINE

Summer, 1972

Vol. XI, No. 3

ROSE TECH ALUMNI ASSOCIATION

EXECUTIVE OFFICERS 1971-72

Richard C. Brown '27, President

Vern E. Whitehouse '40, Vice President

Anthony G. Blake '31, Sec.-Treas.

COMMITTEE CHAIRMEN

Homecoming Wayne L. Loving '50

Fund Raising Vern E. Whitehouse '40

Student Recruitment

Fred W. Goetsch '57

Rose Tech Clubs Vern W. Fellows '62

Awards and Recognition

Charles B. Huppert '65

Continuing Education

Richard L. Brown '59

ALUMNI MEMBERS OF THE

BOARD OF MANAGERS

Fred W. Garry April '51

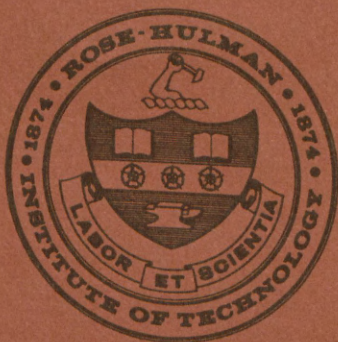
1968 to Annual Meeting 1972

Adam K. Grafe, '25

1970 to Annual Meeting 1974

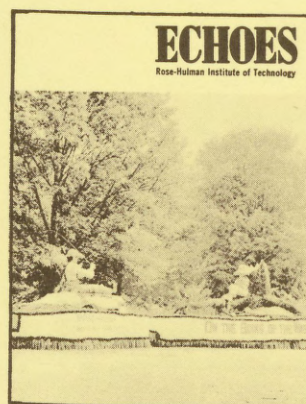
W. Kent Harris

Editor



In This Issue

Across the Campus	1
Commencement '72	2
Faculty and Students	4
Homecoming '72	5
For the Good of the Order	6
Constitution Revision	7
Engineer Sports Scene	11
News from Alumni	12
In Memoriam	16



The Cover

Rose-Hulman students, who have proved their expertise in float-building at recent Homecoming events, won the Governor's Trophy for the float most suited to the theme in the 500 Festival parade at Indianapolis in May. The float was the only non-professionally built entry in the parade which was viewed by 15 million along the parade route and over nation-wide television. (See story on page 4).

Published quarterly by Rose-Hulman Institute of Technology at Terre Haute, Indiana 47803. Second class postage paid at Terre Haute, Ind. Acceptance for mailing at special rate of postage provided for in section 1103. Act of October 3, 1917, authorized December 13, 1918.

When students return to campus for the start of the 1972-73 academic year next month they will find that Rose-Hulman has been a beehive of activity over the summer.

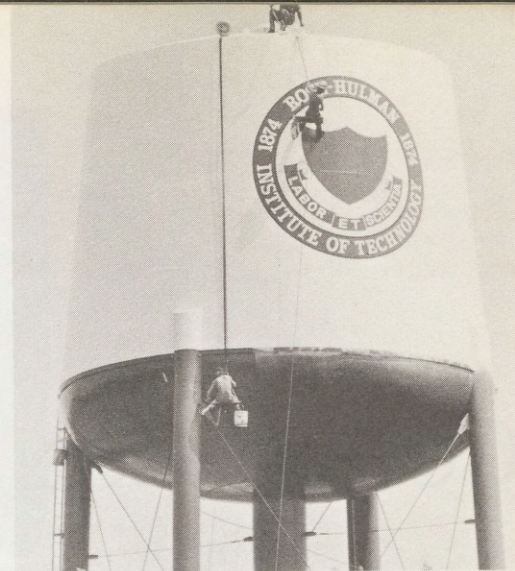
The first thing they will notice will be the beautification project on the water tower adjacent to the Main Building. The tank portion of the "red monster" has been painted white and a large seal of the school has been stencilled on the front of the tank.

As frosh swing left toward their dorms, they'll see newly renovated tennis courts--this project being only a small portion of improvements to the intramural and athletic facilities at Rose-Hulman.

For over the hill, spacious Shook Memorial Fieldhouse will provide much interest for college age "sidewalk superintendents." Although slowed by a three-week strike by roofers and unusually heavy rains for late July, work progresses on a sorely needed new roof for the fieldhouse. Inside, workmen will be installing a new Tartain surface track and basketball floor for the facility.

The Tartain surface was chosen for two reasons: 1) it will alleviate the moisture problems of the dirt floor and lessen the chances of rusting the metal sheeting which has been a problem in the past; and 2) this "surface of the future" will not only provide a cleaner, faster and more colorful surface for athletic endeavors, but will provide a flexible facility.

In addition to the installation of the rubberized floor surface pioneered at such places as the U.S. Air Force Academy and the University of Tennessee, Shook Fieldhouse will receive additional portable bleachers to replace the permanent stands, swing-down baskets and other improvements commensurate to such a project.



A welcome facelift



Ready for Tartain

A much-needed roof

The Main Building, which essentially has been remodeled from one end to the other over the last ten years, underwent further refurbishing. One of the building's last eyesores--the former civil engineering area--has been remodeled to include a large laboratory and faculty offices.

Other projects in the academic plant were the establishment of a physical chemistry laboratory in Crapo Hall, revision of the electrical engineering offices, a new stress analysis laboratory for mechanical-aerospace engineering and an extension of the biological engineering laboratory to include an experimental psychology laboratory.

Across the Campus

SUMMER, 1972

Commencement '72



Mayor Lugar - Speaks
On Challenges Ahead

One hundred seventy-three men received baccalaureate degrees in 11 disciplines during the Institute's 94th Commencement exercises May 26--a commencement marked by an extraordinarily fine principal address by Indianapolis Mayor Richard Lugar.

Speaking without so much as a note, the rising young political figure neither trailed on an idea or theme nor repeated himself in his brief (16 minutes) but informative address.

Lugar, who represented President Nixon at an international urban planning meeting in England for two weeks in May, presented graduates with what he called "a rational plan for achieving full employment, urban restoration and a pollution-free environment."

Stressing the decade ahead, he

called for leaders to get in tune with the people of this land, in fact the world.

The U.S. and Soviet Union had signed the Strategic Arms Limitations Talks (SALT) agreement earlier in the day, and this up-to-the-minute news became central to his address and his charge to the Class of '72.

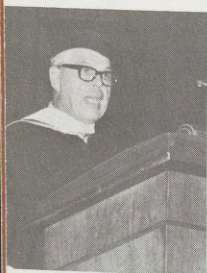
Alumni Association President Richard C. Brown '27 stressed the need for communications in his "welcome, new alumni" message to the graduating class. Another alumnus, Col. Robert N. Ladson '39 was featured speaker at commissioning ceremonies for second lieutenants.

Three alumni--Dr. James F. Guymon '33, Dr. Richard K. Toner '34, and Michael W. Percopo '43--were honored by having honorary

doctorates conferred on them by their Alma Mater.

Dr. Toner, professor of chemical engineering and clerk of the Princeton University faculty, received an honorary Doctor of Engineering degree, while Dr. Guyman was awarded the Doctor of Science in recognition of his work in enology at the University of California at Davis. Percopo, whose career in international business has led to his elevation to president of Squibb Western Hemisphere, Middle East and South Africa, a subsidiary of Squib-Beech Nut, Inc., in New York, received the Doctor of Laws degree.

Others receiving doctorates were Edward J. Cleary, noted environmental health engineering consultant from Cincinnati, and Lugar, a Republican hopeful for Senate or higher office by the end of the



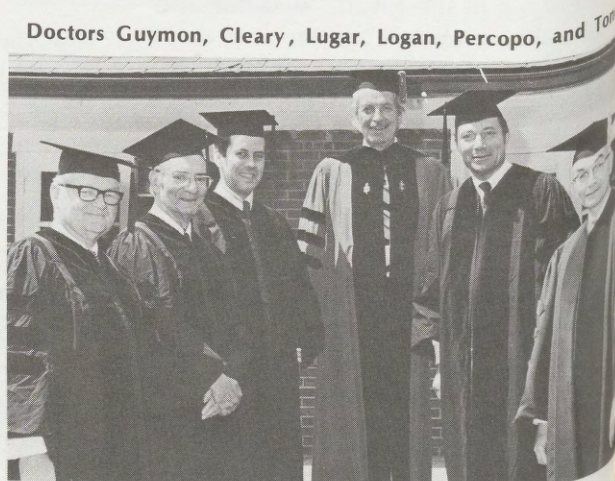
R. C. Brown '27
Greets New Alums



Col-Robert Ladson
Speaks at Commissioning

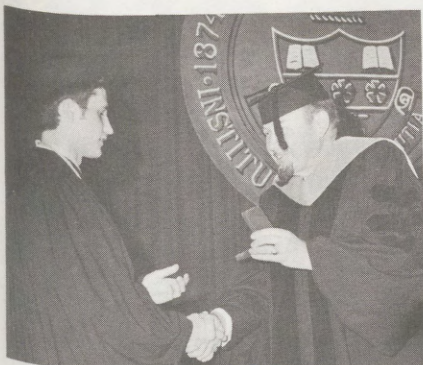


"Clancy" Gets Bars

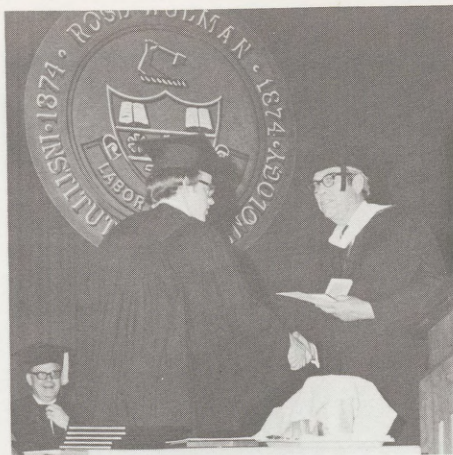


Doctors Guymon, Cleary, Lugar, Logan, Percopo, and Toner

ECHOES ALUMNI MAGAZINE



Dean Ford Receives
Heminway Medal



John T. Royse Award
to James Graham

decade. Dr. Cleary received the Doctor of Engineering, while Mayor Lugar received the Doctor of Laws--

Dean M. Ford, a mechanical engineering graduate from Montpelier, received the gold Heminway Medal as valedictorian of the Class of 1972. He completed all work undertaken with a 3.919 grade point average on a 4.0 system to earn the highest academic award bestowed by the Institute.

The John T. Royse Award, presented annually to the class member voted most outstanding by the senior class, went to James H. Graham of Bloomington, a high honors graduate in electrical engineering.

A dynamic student leader, Graham was active in numerous campus and fraternity activities and

served as president of the student body his senior year.

Dr. John T. Ying, professor of humanities and social sciences and director of the school's math-economics program, was presented the Dean's Outstanding Teacher Award.

The award is given annually to recognize a teacher who, by his attention and dedication to his students both in and out of the classroom, has demonstrated outstanding ability as a teacher. Dr. Ying previously had been named Teacher of the Year by the Rose-Hulman chapter of Tau Beta Pi, national engineering honorary, and Triangle Fraternity.

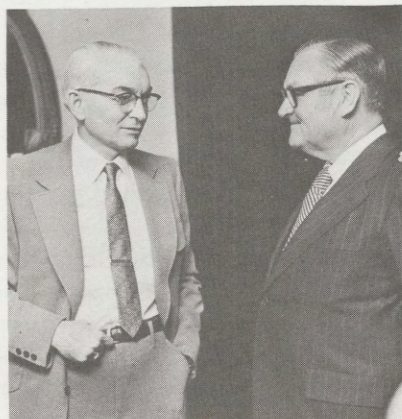
Dr. Ying joined the Rose-Hulman faculty in 1963 following completion of a Ph.D. in economics

from the University of Minnesota. Since that time his classes have been among the most popular (and heavily populated) at Rose.

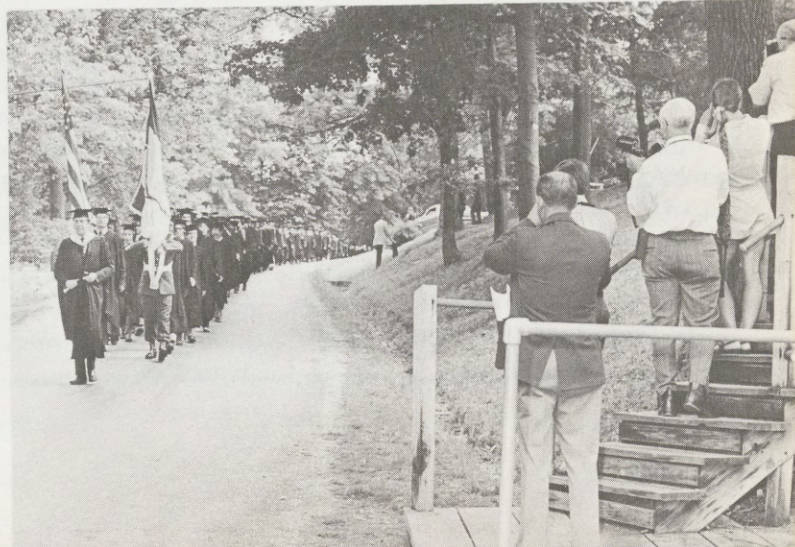
The President's Outstanding Service Award, sponsored by Bell Telephone Company, was presented to Mrs. Pauline Griffith, administrative assistant to President John A. Logan.

Mrs. Griffith was cited for her dedicated service to the Institute as a secretary and administrative assistant.

Mrs. Griffith joined Rose-Hulman in 1953 as a secretary and since has served as secretary and administrative assistant to Presidents Ford M. Wilkinson, Ralph Morgan, Herman A. Moench (acting), and Dr. Logan.



Toner, Guymon, Confer



Class of '72 Procession

Dr. Logan Marries

Of interest to alumni and friends is the marriage July 10 of Dr. John A. Logan and Norma Addison Schlenz, at the home of Dr. and Mrs. Richard F. Bergmann south of Terre Haute.

Mrs. Logan, a resident of Barrington, Ill., for 18 years, has been active in civic affairs in the Chicago area.

She is a member of the board of trustees of Elgin Academy and is a member of the Order of the Lion and the Chicago Art Institute. Mrs. Logan was president of the reorganized Sherman Hospital auxiliary and served two terms as president of the Women's Board of the hospital.

Mrs. Logan also has been associated with the Infant Welfare Society of Chicago, the Florence Crittenton Anchorage, the advisory council of the Freelance Writers of America and the International Platform Committee.

She has contributed to many journals as a freelance writer and is listed in the 1972 edition of "Who's Who of American Women" and in the 1972 British edition of "Two-Thousand Women of Achievement."

The Logans make their home at 335 Robinwood Drive, Terre Haute, the president's residence west of the Rose-Hulman campus.

The Road Ahead

New technological breakthroughs will not necessarily be needed in order to achieve dramatic improvements in our nation's current transportation systems.

This is one of the conclusions reached by special study which was conducted at the National Aeronautics and Space Administration's Langley Research Center, Hampton, Va., this summer under the leadership of a Rose-Hulman professor.



Dr. and Mrs. John A. Logan

Dr. J. Darrell Gibson, recently appointed professor of mechanical and aerospace engineering, was project director of an interdisciplinary design study group comprised of experts from 17 colleges and universities.

The study, the third such group headed by Dr. Gibson, concludes that the U.S. presently has sufficient technological capabilities to greatly improve bus, rail, subway and air terminal systems throughout the country. What however, is needed is stronger public support and leadership to initiate these improvements and thus the problems become as much political and social as technological in scope, according to the educators working on the project.

Dr. Gibson earned his B.S. and M.S. degrees from Purdue University and his Ph.D. from the University of New Mexico. He has taught at the University of New Mexico and the University of Wyoming prior to joining the Rose-Hulman faculty.

As a visiting professor at Rose-Hulman last year he taught courses ranging from the freshman "Introduction to Design" series to graduate level work and two continuing education courses in noise abatement.

Who's Who

Eight Rose-Hulman professors were profiled for the first time in the 1972-73 edition of "Who's Who in America."

Nominated for inclusion in the 37th edition of the publication which contains biographical sketches on more than 80,000 prominent Americans were Dr. Robert M. Arthur, professor of biological engineering; Dr. Herbert R. Bailey '45, professor and chairman of mathematics; Dr. Warren W. Bowden, professor of chemical engineering; and Dr. Oran M. Knudsen, professor of chemistry.

Also, Dr. James B. Matthews, '54 dean of the faculty; Dr. Wilkison W. Meeks, professor of physics; Dr. Noel E. Moore, professor of chemical engineering and director of graduate studies, and Dr. Charles C. Rogers, professor and chairman of the division of electrical engineering and physics.

Governor's Cup

Although the students no doubt could have picked two better weeks in which to put the finishing touches on the float (the week prior to and the week of final examinations), with the help of Admissions Director Duncan Murdoch, Fred Goetsch '57 and others, Rose-Hulman's entry in the 500 Festival Parade walked off with the Governor's Trophy as the "most suited for the theme."

Adapting to the theme, "Those Wonderful Years," the design of two boys fishing on the banks of the Wabash suggested by Cecil Whitaker, a senior from Lebanon, captured the eye of the judges.

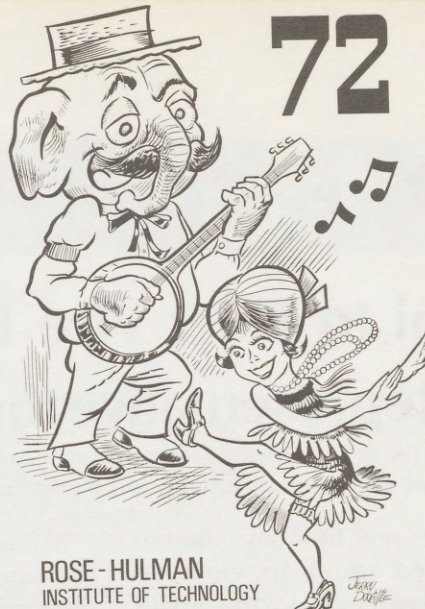
One boy sat on the bank which concealed the school's International Scout which served as puller for the fifty-foot long float. The other boy, a real "pumpkin duster" sort of youth, sat on the stump of an uprooted tree. A mechanized turtle swam up

(Con't on Page 16)

Homecoming '72

Oct. 20-21

**Fifty-Plus Club Meeting
Reunions of 2's and 7's
... And Much, Much More**



A Special Note to Class of '22 (Who Called 'Em Wrecks?)

As my little granddaughter says, "You know what?" Well, that's what I'd like to ask all you '22 "Wrecks". If I had been educated as a psychiatrist, a sociologist, or a superduper salesman, I'd probably know the magic words and phrases that would bring all you guys swarming into Terre Haute and the Rose-Hulman campus for that reunion of all reunions--the Golden Anniversary of our graduation--whoeee!!

It's absolutely wonderful--the excellent response we're having--it's fabulous--it's just out of this world. Counting those who Anna Mary Turner has heard from, those who Bob Failing has rounded up in the Chicago area (and as far as Detroit, Michigan), those I have heard from, and including the Terre Haute "wrecks," we count around 60 per cent as of the middle of July. So that would indicate we'll sure hit close to that 100 per cent objective, come October.

Here are a few of those who have indicated their intentions, desires, ambitions, or "Come hell

or high water, I'll be there" attitudes: "Bob" Failing, (with his Chicago area gang), Les Reinhard, "Ernie" Scott, "Ken" DeBlois, "Gene" Whitlock, John McCormick; from Louisville come "Hank" Offutt and "Joe" Englhaid; from Florida come Hal Dronberger and Ernest Hunt; from Indianapolis, "Brownie" D. L. Brown and "Al" Dunlap; from Arizona comes "Lee" Henderson; from California come "Herm" Mitchell, "Bill" Dedert and "Kay" Harmas.

Our thanks to those of you who have written to Anna Mary Turner and our thanks to her for passing the good words along to the rest of us. Although your name is in the "yes" column, don't let that stop you from sending a message to A.M.T. to be passed along to the rest of us.

Furthermore, if you know of a grad who has had that wonderful experience of a Golden Anniversary (graduation, I'm talking about) encourage him to write of his experience, give it to you, or

send it to A.M.T. for duplication and copies to each of the 22's. It will give him enjoyment and undoubtedly help us to make a special effort, if necessary, to be on hand for this 'greatest of all reunions.'

So, to all you other classmates, tall or short, fat or skinny, rich or poor, married or single, bald or otherwise, with cane, on crutches, or in a wheel chair, with or without hearing aids, make up your mind now to come to our Golden Reunion and bring your wife, of course. There you'll have the opportunity to turn back the years of time (about 50), relive those wonderful experiences, cause the waters to flow upstream, be young again.

Anxiously looking forward to seeing all of you.

K. E. Harmas For
The California Delegation

P.S.-A.M.T. has made reservations for us at the Ritz Plaza Motel so we can be together--sounds good, doesn't it?

For the Good of the Order

Alumni to Elect Vice President And Representative for Board

Within the next few days alumni will be called upon to elect an alumni representative to the Board of Managers and president-elect of the RoseTech Alumni Association.

The nominating committee of the association, which is comprised of the last five immediate past presidents of the association, presented the names in nomination during the last annual meeting in October, 1971.

Nominated for alumni representative on the board are **Albert L. Ahlers** '32, vice president of Container Corporation of America, Louisville; **J. T. Jones** '32, president of The Empire District Electric Company, Joplin, Mo., and **John T. Newlin** Feb. '43, president of Newlin-Johnson Company, Inc., realtors of Terre Haute.

Vying for president-elect of the association are **Frederick J. Bogardus** '32, vice president of Tri-State College, Angola; **Gerald C. Miller**, Jan. '49, president of Miller Engineering and Construction Company, Inc., Terre Haute, and **Thomas L. Reese** '58, president of Universal Tank and Iron Works, Inc., Indianapolis.

Ballots with information about each nominee will be mailed with the announcement and reservation card for Homecoming '72. Ballots must be in the hands of the election committee by return mail no later than Friday, Oct. 20. Announcement of the winner will be made during the annual meeting Oct. 21.

Revised Constitution Presented to Alumni For Final Reading

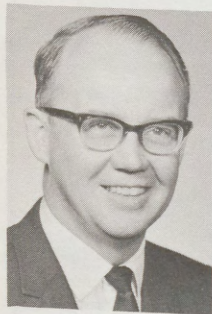
At the 1971 annual meeting of the RoseTech Alumni Association a motion was passed that "a committee be appointed by the president of the RoseTech Alumni Association to study existing Constitution and By-Laws of the Association for possible additions and revisions.

In accordance with this motion, Alumni Association Secretary Tony Blake '31 was appointed chairman of this study committee which presents the following revised constitution for reading as specified by

the existing constitution. Serving with Blake on the committee were Fred W. Goetsch '57, Richard L. Brown '59, Vern W. Fellows '62, and Charles B. Huppert '65.

The following four pages of The Echoes contains the text of the revised constitution as proposed for ratification by alumni at a later date. Revisions include a complete editing and re-wording of the text to provide consistent style and overall clarification to the document. Specific major revisions were: 1) Renaming the organization the RoseTech Alumni Association; 2) Revising the requirements for the nomination of non-graduates to membership in the association; 3) Creation of an operating committee responsible for assisting the alumni office in the orientation of the senior class in matters regarding the RoseTech Alumni Association; 4) Clarification of the procedure of tendering suggestions for possible candidates for "Honor Alumni" awards; 5) Clarification of the nomination of Honorary Degree candidates; 6) Revision of the policy of paid guests to the annual Alumni Banquet; and 7) Establishment of an Alumni-Senior Stag in conjunction with the alumni orientation program.

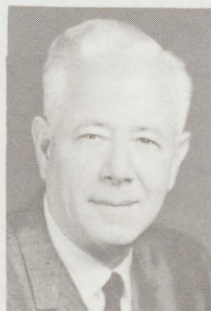
Major revisions have been placed in shaded areas. Specific comments are in italic paragraphs at the top of the page.



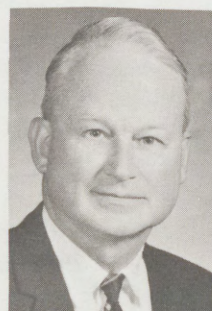
Newlin



Ahlers



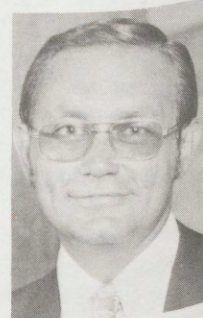
Jones



Bogardus



Miller



Reese

Title and Article I -- By a poll of the Alumni Association last year, it was the consensus that the name of the Association be "RoseTech Alumni Association"

CONSTITUTION

of the

ROSETECH ALUMNI ASSOCIATION

ROSE-HULMAN INSTITUTE OF TECHNOLOGY

ARTICLE I

Name

This organization shall be known as the RoseTech Alumni Association.

ARTICLE II

Object

Section 1. For cooperation and unanimity of action in matters pertaining to the interests of Rose-Hulman Institute of Technology and for the purpose of promoting and maintaining a feeling of good fellowship among the alumni, this organization has been formed.

Section 2. To carry out this objective, there shall be organized a RoseTech Club in an area where there is a sufficient number of graduates of Rose-Hulman Institute of Technology.

ARTICLE III

Membership

Section 1. There shall be three classes of membership in the Association; namely, graduate, non-graduate and honorary members.

Section 2. All graduates of Rose-Hulman Institute of Technology shall become graduate members of the Association immediately upon graduation. Graduate members shall pay such dues as may be provided in the By-Laws. Participation by graduates in any business meeting of the Association held within 24 hours following their graduation shall be limited to the right of floor discussion without right to vote.

Section 3. Non-graduates of Rose-Hulman Institute of Technology, who have attended the Institute for not less than one year with a creditable record, and who have been recommended for non-graduate membership by the Executive Committee, may become non-graduate members by vote of the majority of the members present at any annual business meeting after their class has been graduated. The Executive Committee may recommend only individuals who have been nominated by graduate members in a written communication

Article III, Section 3 -- It was the feeling of the committee that the requirement of nominations by three graduate members was not practical. It also was noted that the association should encourage the nomination of non-graduate members.

addressed to them at least one month before the annual meeting. Non-graduate members shall have all the rights of graduate members except that they shall not hold office.

Section 4. Honorary members of the Alumni Association shall consist of those individuals, not graduate or non-graduate members, who have been awarded honorary degrees by the Institute, and who have been elected to membership by vote of the majority of the members present at any annual business meeting. The names of all persons so honored shall be presented by the Secretary to the Alumni Association at the annual business meeting immediately following the commencement at which the honorary degree was conferred. Honorary members shall not be required to pay dues and shall not vote or hold office.

ARTICLE IV

Officers

Section 1. The officers of the Association shall be a President, a Vice-President, a Secretary-Treasurer, and the two Alumni Representatives on the Board of Managers.

Section 2. The President shall preside at all meetings of the Alumni Association and at the annual banquet. It shall be the duty of the President to: a) Recommend to the college administration an alumnus to deliver the annual address at commencement exercises. b) Appoint the chairmen of operating committees not later than 30 days following the date he assumes office, c) Appoint replacement chairmen of any operating committee in the event a vacancy occurs, d) Call meetings of the Association Board of Directors.

Section 3. The Vice-President shall perform the duties of the President in his absence and shall succeed to the Presidency in the event of the resignation or death of the President.

Section 4. The Secretary-Treasurer shall perform the following duties: a) Record the proceedings of all meetings and conduct all of the necessary correspondence of the Association, b) Prepare an annual report of the financial standing of the Association, c) Receive and dispense all monies. The Secretary-Treasurer shall exercise his own discretion as to the propriety of bills for routine matters. Unusual items of charge shall not be paid until authorized by the Executive Committee. At the close of his term of office, he shall surrender to his successor the books and funds of the Association.

Section 5. The Alumni Representatives on the Board of Managers of Rose-Hulman Institute of Technology shall attend the meetings of the Board and otherwise participate in the activities of the Board as that body may direct. The representatives, singly or collectively, shall report to the Association at its annual business meeting.

ARTICLE V

Standing Committees

Section 1. BOARD OF DIRECTORS. The officers of the Association (Article IV, Section 1) and the chairmen of the operating committees shall constitute the Board of Directors. The Board of Directors shall meet on call of the President to coordinate the activities of the college and the Association.

Section 2. EXECUTIVE COMMITTEE. The President, the Vice-President, the Secretary-Treasurer, and the two Alumni Representatives on the Board of Managers shall constitute the Executive Committee. The Executive Committee shall carry on the business of the Association between meetings and shall perform such other duties as may be assigned by this Constitution or by vote of the Association. The duties shall include those outlined in Article III, Section 3, in Article IV, Section 4, in Article VII, Sections 1, 2, and 4, and in Article IX.

Section 3. NOMINATING COMMITTEE. The five living immediate past presidents of the Association shall constitute the Nominating Committee. The Alumni Officer of the Institute shall be a member of the committee ex-officio, and without vote. The chairman shall be that member who first held the office of President. It shall be the duty of the Nominating Committee at each annual business meeting to present the names of three graduate members of at least three years standing as candidates for the office of Vice-President of the Association. Every second year the Nominating Committee shall present the names of three graduates of at least three years standing as candidates for the office of Alumni Representative on the Board of Managers.

Section 4. ELECTION COMMITTEE. The election Committee shall consist of the Secretary-Treasurer and an election assistant appointed by the Secretary-Treasurer. This committee shall conduct all elections of officers and report the results of the election to the next annual business meeting. (See Article VI.)

Section 5. OPERATING COMMITTEES. The following committees, each with a chairman appointed by the President, shall direct and coordinate the functional activities of the Association. The size of membership of each committee shall be at the discretion of the chairman but coordinated through the Executive Committee of the Association. No individual shall serve as chairman of any single operating committee for more than three consecutive years.

a. Fund Raising. This committee shall vigorously assist in all matters pertaining to the fund raising program of the Development Office of the Institute.

Article V, Section 5-h -- The committee found a need to create an additional operating committee to concern itself with the orientation of the senior class in matters relating to the Alumni Association. It was felt that additional alumni-senior contact would be conducive to continuing the strong alumni to school relationship so evident in the past.

b. Student Admissions. This committee shall assist in all matters pertaining to the recruitment of students, both graduate and undergraduate, in coordination with the Admissions Officer of the Institute.

c. Placement. This committee shall assist the Placement Officer of the Institute in all matters pertaining to the placement of Rose-Hulman graduates.

d. RoseTech Clubs. This committee shall assist the officers of the Association in supervising, planning and furthering the organization and program activities of the RoseTech Clubs.

e. Awards and Recognition. This committee shall review and make recommendations to the Executive Committee of the Association concerning all awards, honors, and recognitions to be conferred by the Association.

f. Continuing Education. This committee shall be responsible for all matters concerning the continuing education of the members of the Association including cooperation with the Administration of the Institute for special seminars and lectures.

g. Homecoming. The President of the Wabash Valley RoseTech Club shall be chairman of this committee. The President, Vice-President, and Secretary-Treasurer of the Association and the Alumni Officer of the Institute shall be ex-officio members of this committee. Additional members may be appointed at the discretion of the chairman. This committee shall plan and coordinate all alumni activities at the annual Homecoming.

h. Senior Orientation. This committee shall be responsible for assisting the Alumni Office in the orientation of the Senior Class in all matters regarding the RoseTech Alumni Association.

ARTICLE VI

Election of Officers

Section 1. The President of the RoseTech Alumni Association shall progress from the office of Vice-President of the Association upon expiration of his term as Vice-President. The President's term of office shall be for one year beginning at the end of the Annual Banquet held the year after his election as Vice-President. In the event of the death or resignation of the President the Vice-President shall assume the office of President.

Section 2. The candidate for Vice-President who shall receive the highest number of votes shall become Vice-President of the Association and shall serve for one year beginning at the end of the Annual Banquet held in the year in which he was elected. In the event of the death or resignation of the Vice-President, the candidate receiving the second highest number of votes shall assume the office of Vice-President.

Article VII, Section 3 -- This revision states the procedure of suggesting possible candidates for "Honor Alumni Awards." Formerly tendered to the Executive Committee, all matters relating to Alumni Awards and Recognition are to be handled by this standing committee.

Section 3. Candidates for the office of Secretary-Treasurer of the RoseTech Alumni Association shall be nominated from the floor at the Annual Meeting. The election shall be by majority vote of those members in attendance. The Secretary-Treasurer shall serve for one year beginning at the end of the Annual Banquet held in the year in which he was elected.

Section 4. The candidate for Alumni Representative on the Board of Managers of the Institute who shall receive the highest number of votes shall be certified to the Board of Managers by the Executive Committee as having been so elected. On election by the Board of Managers he shall serve for four years. The Representatives shall serve overlapping terms, one candidate to be elected every second year. In the event of a vacancy in the office of Alumni Representative on the Board of Managers, the candidate who received the second highest number of votes at the next preceding election for that office shall be similarly certified to the Board of Managers to fill that vacancy. No person shall serve more than two consecutive four-year terms as Alumni Representative on the Board of Managers.

ARTICLE VII

Honor Alumni

Section 1. "Honor Alumni" are alumni of Rose-Hulman Institute of Technology who have been recognized and designated "Honor Alumni" by the Executive Committee of the RoseTech Alumni Association by virtue of being outstanding in (a) loyal, unselfish and meritorious service in furthering the interests of the Institute or, (b) in contributing to the national interest of our country, or (c) professional achievement. At no time shall the number of "Honor Alumni" exceed two percent of the total living alumni.

Section 2. If the list of living "Honor Alumni" does not contain two percent of the living alumni, the Executive Committee may annually designate not more than three living alumni as "Honor Alumni", provided the quota of two percent of the living alumni be not thereby exceeded. If there are not more than two percent of the deceased alumni who have been designated as "Honor Alumni", the Executive Committee may annually designate not more than one deceased alumnus for a posthumous award.

Section 3. Suggestions as to possible candidates for "Honor Alumni" awards may be tendered to the Awards and Recognition Committee in writing, with statement of qualifications, by any alumnus, member of the faculty, or member of the Board of Managers of Rose-Hulman Institute of Technology.

Section 4. The Awards and Recognition Committee, after due deliberation, shall submit before September 1st for approval by the Executive Committee, a list of proposed "Honor Alumni" awards to be presented at the Annual Banquet.

Article VII, Section 6 -- This revision replaced the presentation of "a small key or lapel pin" with "an appropriately engraved plaque." It was felt that a plaque would provide more lasting recognition of the honor.

Article VIII, Section 3 -- To update to present procedures, nominations for honorary degree candidates should be presented to the President of the Institute instead of the Committee of the Board of Managers.

Section 5. Deliberations of the Awards and Recognition and Executive Committees shall be confidential and secret without record other than entry in the official records of the Association of the names, addresses, and classes of those designated as "Honor Alumni", together with statements of the bases upon which the selection was made.

Section 6. Each alumnus selected as "Honor Alumnus" shall be so honored and presented with an appropriately engraved plaque inscribed "Honor Alumnus" at the Annual Banquet following his selection. In the case of a posthumous award, the presentation shall be made to the closest living relative. A suitable plaque carrying the names of all "Honor Alumni" shall be displayed in a prominent place at the Institute.

ARTICLE VIII

Honorary Degree Recommendations

Section 1. Three graduate members of the Association may nominate a graduate of the Institute to be a candidate for an honorary degree to be conferred by Rose-Hulman Institute of Technology.

Section 2. A candidate shall have received his first degree from Rose-Hulman at least fifteen years previous to the commencement preceding the date of nomination.

Section 3. Nominations shall be in the form of a letter to the President of Rose-Hulman Institute of Technology and shall state the achievements deemed worthy of recognition by an honorary degree.

Section 4. The Association as a body shall not propose or endorse any candidate for an honorary degree nor shall matters relative to such a candidate form the subject of any motion, resolution or discussion at a meeting of the Association.

ARTICLE IX

Annual Business Meeting

The annual business meeting shall be held on such date and at such time and place on the campus of Rose-Hulman Institute of Technology as the Executive Committee may designate. A banquet shall be held each year on the day of the annual business meeting at such hour and place as the Executive Committee may designate.

ARTICLE X

Amendments

This Constitution may be altered, amended or abrogated by letter ballot by a vote of two-thirds of the returned ballots, provided that sixty days notice of such alteration, amendment or abrogation shall have been given to each member of the Association in writing by the Secretary-Treasurer.

By-Laws Article I. -- The order of business at the annual meeting has been revised to provide for a "State of the College" message by the President of the Institute.

By-Laws, Article V -- The committee's revision has reduced the paid guests to the annual banquet to include only the Board of Managers, first year faculty and Fifty-year plus association members. The committee felt the cost of providing free tickets to 80 members of the faculty-administration and more than 200 members of the senior class was becoming prohibitive.

By-Laws, Article VI -- This article provides for the establishment of an Alumni-Senior Stag each spring. Increased student activities at Homecoming have made close alumni-senior contacts impractical. It is hoped that such a function scheduled closer to Commencement will provide a more meaningful association.

BY-LAWS

of the

ROSE-HULMAN INSTITUTE OF TECHNOLOGY

ARTICLE I

Order of Business

The order of business at an Annual Meeting shall be as follows:

- a. Call to order
- b. Recognition of anniversary classes
- c. Approval of minutes
- d. Report from the President of Rose-Hulman Institute of Technology
- e. Report of Alumni Representatives on the Board of Managers
- f. Report of Secretary-Treasurer of the Association
- g. Presentation of the names of honorary degree recipients and election to honorary membership.
- h. Presentation of names of non-graduate member candidates and election to non-graduate membership
- i. Report of Alumni Association Committees
- j. Old business
- k. New business
- l. Report of the Election Committee
- m. Report of the Nominating Committee. Additional nominations for Vice-President and for Representative on the Board of Managers may be made upon a motion by any member and upon vote of a majority of the members present and voting.
- n. Nomination and election of the Secretary-Treasurer
- o. Adjournment

ARTICLE II

Vote

Vote in the meetings, except for the election of officers shall be "viva voces" and a majority of votes shall govern, except where otherwise provided in the Constitution or By-Laws.

ARTICLE III

Election of Officers

Section 1. Election of the Vice-President, and Representative on the Board of Managers shall be by letter ballot, the polls closing at 9:30 a.m. on the day of the annual business meeting.

Section 2. Election of the Secretary-Treasurer shall be by voice vote at the annual meeting.

ARTICLE IV

Dues

Section 1. There shall be no dues for any class of membership.

Section 2. Necessary funds for the ordinary operating expenses of the Association shall be transferred from the Institute to the Association Secretary-Treasurer to be used as the Executive Committee may direct.

ARTICLE V

Annual Banquet Guests

The Board of Managers, first year Faculty, and those members of the Association who have held membership for fifty or more years, shall be invited by the Executive Committee to attend the Annual Banquet as guests of the Association. Attendance by persons other than those herein listed and Members of the Association may be permitted by the Executive Committee insofar as such does not preclude the attendance of any Member or prescribed guest.

ARTICLE VI

Alumni-Senior Stag

The RoseTech Alumni Association shall sponsor in the spring of each year an Alumni-Senior Stag as a means of initiating the graduating class to Alumni status. The Senior Orientation Committee, working with the Senior Class Officers and the Alumni Office, shall be responsible for this function.

ARTICLE VII

Installation of Officers

The installation of officers shall take place at the annual banquet.

ARTICLE VIII

Procedures

Section 1. Robert's Rules of Order shall govern all proceedings at business meetings.

Section 2. Members who wish to submit matters for consideration or action at any meeting of the Association shall do so in writing at least 30 days in advance by sending same to the Secretary-Treasurer. The notice of such meeting shall recite all matters thus submitted.

Section 3. The Secretary-Treasurer shall present promptly to the members of the Association for vote by letter ballot any question altering, amending or abrogating the Constitution or By-laws of this Association following an affirmative vote of a majority of the members present at a stated meeting or an affirmative vote of two-thirds of the Executive Committee when such is required to carry on the business of the Association as outlined in Article V, Section 2 of the Constitution.

ARTICLE IX

Amendments

These By-Laws may be altered, amended, or abrogated by letter ballot by a vote of two-thirds of the returned ballots.

ECHOES ALUMNI MAGAZINE

If experience and depth mean anything, the Fightin' Engineers of Coach Bob Bergman should be much improved in 1972. The coming season will conclude a four-year escalation period at Rose-Hulman with 14 seniors playing important roles.

Capable experience will return at nearly every position, with the quarterback slot looming as the Engineers' lone question mark. Missing will be senior signal caller Mike Box, whose spring knee operation forced him to drop football. Box's exit leaves the position open to be fought for by five freshmen. The top freshman quarterback prospects are 6-1, 189-pound Pat Noyes of Harrison, Ohio, and 6-1, 165-pound Gary Lee of Lebanon, Ohio.

Leading the returning lettermen will be Little All-America honorable mention Kevin Murphy at Split end and flanker Rick Manuszak. Both are excellent receivers, as is sophomore tight end Mike Mueller. The Murphy-Manuszak-Mueller trio will team with Box's successor to lead the Engineers' aerial attack.

With the trio of receivers on the offensive line will be 252-pound Jerry DeMeyer and 6-4, 225-pound Joe Baker at the tackles. Filling the guard slots will be 202-pound Joe Steliga, 6-2, 210-pound Dave Linderman, and 200-pound Dave Holladay. Dick Frushour, a 6-1, 200-pound center, will be the number one candidate to anchor the offensive line.

Rounding out the offensive backfield will be two fullback and two running back contenders. Battling for the fullback slot will be 6-0, 208-pound Jerry Bertram and 6-0, 193-pound Pete Avenatti. Jim Hastings at 5-10 and 175-pounds and 5-9, 165-pound Mike McInnis will compete for the single running back slot, completing the offense.

SUMMER, 1972

Wabash, Depauw on Sked

Is '72 the Year For the Engineers?

Heading up the defensive line, where defensive coordinator Joe Touchton places a high premium on quickness and agility as well as size and strength, are 6-2, 218-pound Woody Heller and 6-4, 218-pound Jack Farr at the tackles. Middle guard Stan Mickey at 5-10, 205 pounds, will return to anchor the line, while 6-2, 195-pound Joe Zumar will return to handle one of the defensive ends. Mark Gudorf, a 6-1, 180-pounder, will be moved from a linebacking position to handle the other end.

Backing the line will be 5-9, 180-pound Brennan Banion, Steve Wolodkiewicz at 5-9 and 195 pounds, 5-10, 175-pound Tom Polster, and 6-1, 180-pound Tom Hunt. The defensive backfield will be manned by 6-2, 175-pound Bill Randall, 5-9, 165-pound Ray

Kominiarek, and 5-10, 165-pound John Kelm.

Accompanying Noyes and Lee as top freshmen prospects are John Schroeder, quarterback-safety; Jim Shegog, halfback; Curt Robbins, center; Dennis Schultz, center; Larry Spilbiler, a 6-3, 222-pound tackle; Mike Sobeck, tackle-guard; Bob Hildenbrand, tight end-wide receiver; Tony O'Neill, defensive end; Dave Mellor, defensive back; Dave Meese, linebacker-halfback; and Mark Gibson, linebacker.

Two-problems--first, a demanding schedule which is probably the finest in recent Rose-Hulman football history with five new teams namely Wabash, DePauw, Franklin, Anderson and Illinois Benedictine and secondly, the question mark at quarterback--stand between the 1972 Engineers and success.

'72 FOOTBALL SCHEDULE

September 16	FRANKLIN COLLEGE	2:00
September 23	at Anderson College	2:00
September 30	EARLHAM COLLEGE	2:00
October 7	at Hanover College	2:00
October 14	at DePauw University	1:30
October 21	ILLINOIS COLLEGE	
	(Homecoming)	2:00
October 28	at Wabash College	1:30
November 4	PRINCIPIA COLLEGE	2:00
November 11	ILLINOIS BENEDICTINE COLLEGE	
	(Dad's Day)	2:00
November 18	at Wilmington College	2:00

News From Alumni

Last Call for Alumni Directory Changes

Response to recent mail surveys for the upcoming printing of the alumni directory has been overwhelming! Any doubters should ask Mrs. Donna Snedecker of the Development Office who is sporting new glasses after poring over more than 1,500 address changes and job classifications, etc., in the last 90 days.

Gratifying as the response has been, Rose-Hulman will be accepting changes through mid to late September for the 1972-73 printing of the directory.

The "Lost Alumni" list has sliced almost in half through the help of alumni and a survey of parents of the more recent classes.

'24

William F. Lisman (E.E.) recently was appointed Chairman of the Board and Chief Executive Officer of Furnas Electric Company, Batavia, Ill. Lisman, who had been president and general manager of the corporation for more than 10 years, formerly served as vice president in charge of sales. Prior to the move to Furnas, he was chief executive officer for the former Leland Electric Company and Brown-Brockmeyer Company in Dayton, Ohio. Active in alumni affairs, he received an honorary Doctor of Engineering degree from Rose in 1967.

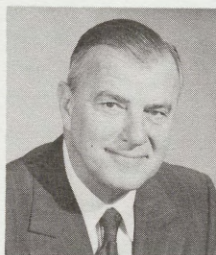
'29

John A. Derry (E.E.) retired June 29 as Director of the Atomic Energy Commission's Division of Construction, a post he had held since 1954. A member of the AEC staff since its inception in 1947, Derry formerly served as assistant to the general manager, as executive officer for the Division of Biology and Medicine and as Manager of the San Francisco Office. Major projects under his direction included AEC's Savannah River Plant at Aiken, South Carolina, the diffusion plants at Portsmouth, Ohio, and Paducah, Ky., and additions to the Oak Ridge, Tenn., plant which he had worked on as an Army colonel. Other Army service included an assignment as assistant to Gen. Leslie Groves, Commanding General of the Manhattan Project, handling liaison on construction of the Los Alamos Laboratory in New Mexico. The Derrys reside at 5723 Ogden Road, Bethesda, Md.

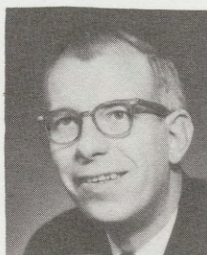
'39

Charles G. Fuller (C.E.), president of J. M. Rotz Engineering Co., Inc., consulting engineers of Indianapolis, was elected president of Consulting Engineers of Indiana, Inc., at the organization's annual meeting in May. Also of note was the election of **James M. Wade** (June, 1947 C.E.) of Huntington, Wade & Associates, Inc., of Indianapolis to the board of directors of the organization.

Col. Robert N. Ladson (Ch.E.) made two visits to the campus this spring--late in April for a visit with the R.O.T.C. unit and in May to preside over commissioning ceremonies at commencement. Col. Ladson, who recently was transferred to Fort Sheridan, is responsible for R.O.T.C. matters in his new assignment. He previously was Commandant of the U.S. Army Chemical School, Ft. McClellan, Alabama, from 1968-72. His new address is Coordinating Element Northern Area (CENA), Fort Sheridan, Illinois 60037.



Derry



Norman

'43

Lloyd A. Buchalter (M.E., Oct.) was promoted to supervisory mechanical engineer at the United States Military Academy, West Point, N. Y., effective April 1. In his new position he will be in charge of design of mechanical facilities of the engineering branch at the academy. He previously was in charge of operations and maintenance. Loyd's current address is R.R. 2, Box 424, Wallkill, N. Y. 12589.

'47

Lyn Eberly (M.E.) has been promoted to application engineering manager for Browning Corporation, Murray, Ky. Lyn, who formerly was with the Field Service Division of Link-Belt Company, joined Browning in 1967 as an application engineer and in 1971 became chief project engineer. The Eberlys address is R.R. 1, Forest Hills, Maysville, Ky. 41056.

'50

Donald C. Owens (M.E., August) pens a note that he is back in Italy after 17 months in Frankfurt, Germany, where he worked with the Engineer Command. Don, who is chief engineer for plans and services of the U.S. Missile Support Command, has worked for the overseas group since 1965. Owens' address is Headquarters, U.S.A. Engineering-Europe, A.P.O., New York 09757.

'52

James T. Norman (Ch.E.) was appointed area director-Europe for the BFG Chemical International Department of B.F. Goodrich Chemical Company as the company announced major overseas expansion in June. In his new position, Norman will be responsible for all B.F. Goodrich interests in Europe and interests in the Iranian associate, Abadan Petrochemical Company. Norman, who is headquartered in The Hague, joined BFG Chemical upon graduation and served at the company's Louisville, Ky., plant and worked on the construction and startup of an associate company in Japan. In 1967, he was appointed deputy general managing director of the Abadan Petrochemical Company Limited in Iran, a BFG Chemical associate company which at that time was newly organized for the purpose of building and operating a major petrochemical facility in Iran. He resided in Tehran, Iran, until late 1971 when he returned to the United States for a special assignment. Pending relocation, mail may be directed to him through corporate headquarters in Cleveland: B. F. Goodrich Chemical Company, 6100 Oak Tree Boulevard, Cleveland, Ohio 44131.

'55

James L. Lott (C.E.) is leaving the Corps of Engineers for a position as associate professor of civil engineering at the Illinois Institute of Technology in Chicago in September. Having continued his education, he earned the M.S. and Ph.D. and formerly taught theoretical and applied mechanics at the University of Illinois prior to joining the Corps of Engineers where he rose from research engineer to chief, construction materials branch, U. S. Army Construction Engineering Research Laboratory in Champaign, Ill.

'56

Drysdale F. Brannon (C.E.), assistant chief of electrical construction for the American Electric Power Service Corporation, has been transferred to the Donald C. Cook Nuclear Plant of the Indiana & Michigan Power Company. He assumed his new responsibilities Jan. 1, and moved to the Bridman, Mich., area in May. He formerly was at the Ohio Power Company's Gavin Plant during its construction. Says Brannon: "For sure, a nuclear plant is different than fossil units. Good experience, tho!" His new address is Box 60, Lakeshore Mobile Estates, Stevensville, Mich. 49127.

Stanley R. Carpenter (E.E.) was granted a summer stipend from the National Endowment for the Humanities to do research directed toward the design of interdisciplinary courses in technology and human values. Dr. Carpenter, who completed a Ph.D. in philosophy at Boston University, is assistant professor of philosophy at Texas A & M University. His address is 1003 Pershing Ave., College Station, Tex. 77840.

Ralph D. Lockhart (E.E.) has been named general manager, of Paper Industry Division of Industrial Nucleonics Corporation headquartered in Columbus, Ohio. He joined Industrial Nucleonics in 1960 and has served the company in a number of manufacturing and marketing capacities, most recently as general manager, Paper Industry Division. With his promotion to general manager of the division, he assumes overall direction of corporate activities in the paper industry throughout the United States. His current address is 7241 Riverside Drive, Dublin, Ohio 43017.

'58

Richard L. Trueb (E.E.) has been appointed manager of The Mead Corporation's paperboard mill in Cincinnati. Having gone with Mead upon graduation, he had been production manager at the mill since 1968. Trueb previously had worked with the corporate engineering staff in Chillicothe and was manufacturing engineer with the Paperboard Division in Dayton. His current address is 5197 Autumn Wood, Cincinnati, Ohio 45242.

'59

John S. Kennedy (E.E.) has returned to NCR (formerly National Cash Register) in Dayton as a project leader. John, who went with NCR upon graduation, worked as a design engineer and in the Telstar program prior to joining Magnavox Corporation in Fort Wayne where he rose to senior engineer. His new address is 3430 Blocker Drive, Dayton, Ohio 45420.

Barlow W. Brooks, Jr. (M.E.) was named vice president and general manager of Roll Forming Corporation, Shelbyville, Ky., during the corporation's annual meeting in June. Barlow, who went with the family-owned corporation upon graduation, previously served as design engineer, chief engineer and as an officer in the rapidly expanding business. His address is 9112 Tiverton Way, Louisville, Ky. 40222.

'62

Dr. Jerome E. Hahn (E.E.) has been promoted to associate professor of mathematics at Bradley University, Peoria, Ill. He also reports that he will be directing a computer-oriented calculus program scheduled to begin when the fall term commences in September.

'63

Dr. Billy L. Crynes (Ch.E.), associate professor of chemical engineering at Oklahoma State University, was named Young Engineer of the Year by the Oklahoma Society

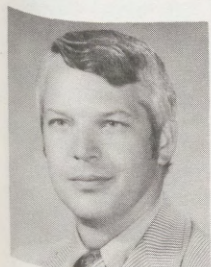
of Professional Engineers at their annual spring awards banquet. Bill, who earned his M.S. and Ph.D. at Purdue University in 1966 and 1968 respectively, has been on the faculty at Oklahoma State since 1967 and earned the distinction of being named Omega Chi Epsilon's Outstanding Teacher his first year at the University. Prior to joining OSU, he was employed as a professional engineer by E. I. DuPont de Nemours & Co., Inc.; American Oil Company; Commercial Solvents Corp., and Nalco Chemical Company. Engaged in Research in air pollution control, particularly automobile exhaust emissions and generating plant emissions, he is responsible for development of a large research program on the utilization of Oklahoma resources and is widely known for his research in developing synthetic fuels from coal with emphasis on coal liquification and gasification. Bill's address is 920 West Cantwell, Stillwater, Okla. 74074.

'64

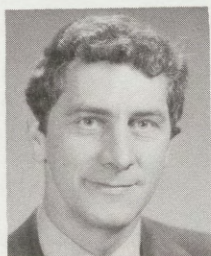
Edward K. Downey (C.E.) has been named general supervisor of labor relations for the Packard Electric Division of General Motors Corporation, Warren, Ohio. Ed, who received a J.D. from the University of Akron Law School in June, had worked in relations since 1969. He joined Packard upon graduation as a production foreman and was called to active duty in the U.S. Army Corps of Engineers the following year. Following service he worked two years as an industrial engineer prior to moving to the labor relations department. His address is 1446 Drexel Avenue, Warren, Ohio 44485.

Michael D. Thomas (M.E.) has been appointed manager, Business Planning Department, for Ford Motor Company's Latin American Group. Mike, who served in the U.S. Army from 1965 to 1967 and earned a master of business administration degree from the University of Denver, joined Ford in 1968 as a product planning analyst in the Product Development Group. He progressed through a series of positions in Car Product Planning to become Mercury Car Planning Manager in March, 1971. President of the Detroit RoseTech Club, he is married and resides in Birmingham, Mich.

Robert E. Leonard (M.E.) has been promoted to Project Manager, Polarstream, at Union Carbide Corporation where he is responsible for liquid nitrogen refrigeration equipment and systems and new business in the liquid nitrogen food freezing. Transferred to the Linde Division in Indianapolis from Houston, Texas, his new job includes responsibility for \$2 million in sales annually. Bob's current address is R. R. 1, Box 287 L. Pittsburg, Ind. 46167.



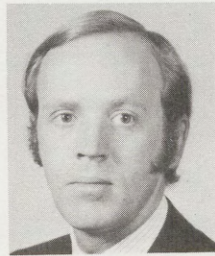
Lockhart



Crynes



Downey



Thomas

SUMMER, 1972

'65

John W. Boyer (E.E.) received an on-the-job masters degree in metallurgy and materials science during the June 11 commencement exercises at Lehigh University. Conferred by Lehigh, the degree was earned through a four-semester program of formal study at Lehigh and related research and study at the Bell System's Education Center and Engineering Research Center near Princeton, N. J. Boyer is a development engineer for Western Electric Company, having worked in Indianapolis and Philadelphia. His current address is 54 Manor Lane West, Yardley, Pa. 19067.

James W. Francis (Ch.E.) completed a masters in mining engineering at the University of Missouri-Rolla and since has moved to Norris, Ill., and a position of mining engineer for Consolidation Coal Company there. Prior to entering graduate school, he was a research engineer for the U. S. Powder Division of Commercial Solvents Corporation in Marion, Ill. Jim's new address is Box 158, Norris Mine, Norris, Ill. 61553.

Gus F. Carroll (Physics) has left RCA for the position of manager of development programs in the Electro-Optical Systems Division of Ball Brothers Research Corporation, Boulder, Colorado. Gus, who went with RCA following graduation was a design engineer in California and Colorado prior to his move to Ball Research. His current address is 1285 Berea Drive, Boulder, Colorado 80303.

'66

James A. Underwood (E.E.) has been appointed operations manager of W-TWO television, (Channel 2) Terre Haute. Jim, who had been chief engineer and sales representative for WBOW radio since early 1969 in addition to serving on the news staff at W-TWO, previously held positions in W-TWO engineering and news departments. Following graduation from Rose he went with industry for a short time before returning to Terre Haute to earn an M.S. in radio-TV from Indiana State University. He and his wife Marsha reside at 676 Delaware Avenue, Terre Haute, Ind. 47804.

Jeffrey I. Lackey (Physics) pens a note of change of address and the fact that he is "still plugging along towards the Ph.D." at the University of Michigan. Jeff, who is a resident assistant in the engineering mechanics department, resides at 7760 Willis Road, Ypsilanti, Mich. 48197.

14

'67

Robert W. Walden (Physics) reports he will move to the University of Oregon in September to continue post-graduate studies. Walden, who earned an M.S. in physics from Purdue University in 1969, formerly taught physics at the University of Cincinnati. After his move he may be contacted in care of the Department of Physics, University of Oregon, Eugene, Ore. 97403. Prior to September his address is 3309 Guion Road, Indianapolis 46222.

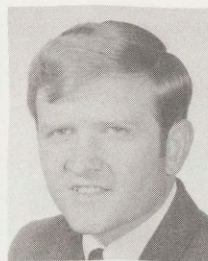
Charles H. Divine (E.E.) has accepted a position with Bell Telephone Laboratories in Denver, Colo., following completion of a Ph.D. in electrical engineering from Stanford University in January. His thesis was entitled "The Design of Wideband Radar and Sonar Systems." While at Stanford he studied under a National Science Foundation Traineeship and served as a research assistant. He married the former Carol E. Ash of Palo Alto, Calif., in February, 1970. The Divines reside at 8675 North Mariposa, 1D, Denver, Colo. 80221.

David S. Slavkin (E.E.) enjoyed an eventful and newsmaking spring. He was promoted to senior engineer for the Monsanto Company April 1; then on May 13 he was graduated Cum Laude from St. Louis University Law School and became the father of twin sons July 8. Dave reports he is working in process control for Monsanto, having formerly been an electrical engineer in the company's organic division. The Slavkins reside at 1747 Rock Hill Drive, Hazelwood, Mo. 63042.

'68

Jerry A. Wones (C.E.) recently was appointed City Manager of Tipp City, Ohio, following an internship of sorts as assistant city manager of Charlotte, N.C. Jerry, who has worked in the area of city planning and management since graduation, earned a masters in public administration from the University of Dayton in 1969. His new address is 657 West Broadway, Tipp City, Ohio 45371.

Capt. Donald E. Baker (C.E.) recently was awarded the Bronze Star for meritorious service with the U.S. Army in Vietnam. He was cited for his work as an engineer advisor to



Mitchell

the 9th Division Combat Assistance Team on road building and family housing projects from November, 1970, to October, 1971. Specifically, he was recognized for initiating programs which improved the unit's capabilities in demolition, operation of heavy equipment and preparation and handling of concrete. His efforts led to the completion of the Nui Cam Road much sooner than expected, according to the Army news release, which also praised the quality of housing structures built by his unit. Don currently is assigned with Headquarters Detachment, 56th Engineer Battalion of the 7th Engineer Brigade stationed in Germany. His address is R.R. 3 Orleans, Indiana 47452.

Gary E. Mitchell (M.E.) is keeping busy (and on the move) as a nuclear engineer for Babcock & Wilcox Company's power generation division headquartered at Barberton, Ohio. He was assigned to the nuclear service department in August, 1970 and since has been on the start up team of the Duke Power Company Oconee Nuclear Station near Clemson, S.C., (Feb., 1971) and lead engineer on the start up of the Three Mile Island Nuclear Station. His current address is 1323 Shreiner Road, Lancaster, Pa. 17601.

John A. Elzufon (Ch.E.) is a first year student at the Georgetown University Law Center in Washington, D. C. Prior to entering law school, John was a production engineer for E. I. duPont de Nemours & Company and resided in Newark, N.Y. His current address is 5422 Richenbacher Avenue, Apartment 302, Alexandria, Va. 22304.

Terrence M. Joyce (Physics) received a Doctor of Science in oceanography awarded jointly by the Massachusetts Institute of Technology and the Woods Hole Oceanographic Institution in June and since has accepted a position as a post-doctoral investigator at the Oceanographic Institute. His research is an experiment to measure deep ocean internal waves, an area of study very close to his thesis title, "Nonlinear Interactions Among Standing Surface and Internal Gravity Waves." Terry, his wife Karen and daughter Jennifer, reside in Woods Hole, Mass., 02543.

'69

Walter R. Mazzei (C.E.) has joined Caterpillar Tractor Company following his release from active duty with the U.S. Army. Walt, who spent two years in Europe with the Engineer Corps, currently is working in the sales development department of the Product Division of Caterpillar in Peoria, Ill. He also reports his marriage to the former Sarah Anne Singleton June 12, 1971. The couple reside at 12201 North Woodcrest, Apartment D, Lake of the Woods, Dunlap, Ill. 61525.

ECHOES ALUMNI MAGAZINE

Steven A. Kennedy (M.E.) pens a note concerning his busy, but exciting overseas assignment with B. F. Goodrich Chemical-Europe. Says Product Engineer Steve: "It might strike one as odd that an M.E. is working in the area of a Ch.E., but not really so. My job entails providing technical service on the company's plastic products in France, Italy, Belgium, Greece, Austria, Russia, Poland, East Germany, Hungary, Czechoslovakia, Romania and Bulgaria. I travel regularly in these countries and am gone from home about 50 percent of the time. I have specialized in the area of polyurethane for injection molding and textile coating via solution, melt coating, calendaring and film lamination. . . . It is an extremely interesting job for one is always subjected to widely varying peoples. Speaking French and German is a must to do one's job efficiently. I highly recommend students to seriously consider international business for a challenging career with substantial financial rewards." Steve's address is Vinkenlaan 23, Wassenaar, Holland.

John R. Albertine (Physics) recently completed an M.S. in physics at Johns Hopkins University and plans to begin a Ph.D. program at Johns Hopkins in the fall. John has been a physicist at the Johns Hopkins Applied Physics Laboratory since graduation. His address is 9516 Park Avenue, Laurel, Md. 20810.

James L. Tucker, Jr. (M.E.) has been transferred from Chicago to Oakland, Calif., as project engineer over construction of the bulk liquid terminal for GATX, Inc. Formerly assistant terminal manager in Chicago, Jim has been with GATX since graduation. His new address is 456 Cove Court, San Leandro, Calif. 94578.

'70

Walter Daugherty (M.E.) recently was promoted to Army first lieutenant while serving with the 593rd Engineer Company at Ft. Sill, Oklahoma. Lt. Daugherty is a construction platoon leader in the company. Mail may be directed to Daugherty at R. R. 1, Merom, Ind. 47861.

Lt. Jack E. Fuson, Jr. (M.E.) recently completed a 16-week helicopter course at the U.S. Army primary helicopter school, Ft. Wolters, Texas. He now is assigned to advanced flight training at the U.S. Army aviation school, Ft. Rucker, Alabama, after which he will receive a permanent assignment. Mail may be directed to Lt. Fuson at R. R. 31, Terre Haute, Ind. 47803.

Gary N. Kirschke (M.E.) completed an M.S. in mechanical engineering at the University of Illinois in June and since has joined I.B.M. as a marketing representative in the Springfield division. Gary will be selling small system computers throughout southeastern Illinois. While a graduate student at Illinois he worked parttime in the office of administrative data processing and as a freelance photographer (remember his pictures of Homecoming '71?). The Kirschkes reside at 110 Holiday Park, Apartment 401, Champaign, Ill. 61820.

Richard G. Kirkman (C.E.) has joined General Telephone and Electronics of the Southeast following his release from the U.S. Army in April. Kirkman who is assigned to the North Georgia Division, resides at R.R. 4, Riverside Drive, Dalton, Ga. 30720.

Ray J. Jirousek (Math-Econ) has been promoted to associate engineer in the Technical Studies area of the Cleveland Electric Illuminating Company. One of his responsibilities in the new post is teaching a course in engineering economics to company personnel. Recently married to the former Peggy Sue Unroe of Kent, Ohio, Ray's address is 3303 Linden Road, Apartment 705, Rocky River, Ohio 44116.

Robert C. Meyer (M.E.) has left the Long Lines Department of American Telephone and Telegraph for a position as prime technical engineer for Procter and Gamble Corporation in Cincinnati. Bob's new address is 707 Dixmyth Avenue, Cincinnati, Ohio 45220.

Lt. Larry R. Loudermilk (M.E.) currently is assigned to the first division artillery at Fort Riley, Kansas. Lt. Loudermilk, who is on military leave from Caterpillar Tractor Company, resides at 900 Garden Way 12, Manhattan, Kan. 66502.

Stephen E. Butwin (Math-Econ) has accepted a position as a planner in the Vigo County-Terre Haute Area Planning Department. Following his graduation from Rose-Hulman Butwin did graduate work at Indiana State University and taught school. He and his wife Sue are the parents of a daughter. The Butwins address is 2337 Second Avenue, Terre Haute, Ind. 47807.

Airman Stephen R. Berggren (Ch.E.) has completed training in munitions maintenance at Lowry Air Force Base, Colorado, and since has been assigned to Kadena Air Force Base, Okinawa, headquarters for air operations, Southeast Asia, the Far East and the Pacific area. Mail may be directed to Airman Berggren through his parents, Mr. and Mrs. Frank R. Berggren, 104 Ridgeway Avenue, Louisville, Ky. 40207.

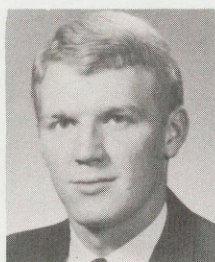
2nd Lt. James A. Williams (Ch.E.) recently completed the chemical officer basic course at the U.S. Army Chemical Center, Ft. McClellan, Alabama. His training included studies in administrative procedures, logistics and medical training and support in preparing him for duty in chemical units at platoon through company command levels. Prior to entering service, he worked for Weston Paper Company in Terre Haute. Mail may be directed to Lt. Williams at 7415 Wabash Avenue, Terre Haute. 47803.

Terry L. Luster (M.E.) is working toward a masters degree in mathematics at Indiana State University. Married to the former Kristie Van Allen of Terre Haute Jan. 26, Terry expects to enter active duty in the U.S. Army field artillery in August 1973. The Lusters' address is 201 Crawford Street, Apt. 304, Terre Haute, Ind. 47803.

Stephen A. Randolph (M.E.) has left International Harvester Corporation for a position as a mechanical engineer for the Bureau of Engineering, City of Chicago. The Randolphs reside at 18360 Glen Oak Avenue, Apartment 2C, Lansing, Ill. 60438.

Stephen F. Duncan (Math) has returned to the mathematics classroom--this time as a teacher of mathematics at Danville High School, Danville, Ill. Prior to joining the high school faculty, Duncan did graduate work at Indiana State University. His address is 3254 Vista Drive, Danville, Ill. 61832.

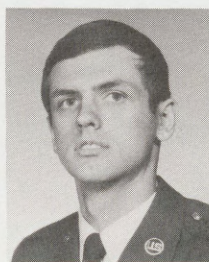
Ensign Michael D. Ayers (E.E.-Math) currently is a guided missile officer assigned to the U.S.S. Richard L. Page in the Atlantic. Ensign Ayers joined the Navy following graduation and received his commission following completion of the basic officer course. His address is Ens. Michael D. Ayers 312-54-0084, U.S.S. Richard L. Page (DEG-5), FPO, New York, N. Y. 09501.



Tucker



Williams



Berggren

In Memoriam

'05

Ferdinand W. Hahn (M.E.) died May 19 in Michigan City. Prior to his retirement, he was associated with the Pullman-Standard Car Manufacturing Company in Chicago. He was active in the Chicago RoseTech Club and last attended Homecoming in 1969 as the oldest alumnus in attendance.

'06

Arnold Freudenreich (E.E.) died June 20 in Hammond. Retired a number of years, he formerly was assistant manger of Universal Portland Cement.

'08

Jay H. Johnston (M.E.) died May 19 in Los Angeles, Calif. Having made his home in California for years, he formerly was associated with the American Well and Prospecting company in California, Texas and Oklahoma.

'11

Robert T. Reinhardt (E.E.) died May 22 in Indianapolis. Prior to his retirement he was an electrical engineer for Insley Manufacturing Corporation.

'13'

Albert F. Brennan (M.E.), the Heminway Medal winner of the Class of 1905, died in DesMoines, Iowa. Having resided in Marshalltown, Iowa, for 30 years prior to his move to DesMoines 16 years ago, he was credit manager of Lennox Furnace Company prior to his retirement.

'17

F. Guy Coates (C.E.) died June 17 in Michigan City. Active in engineering for more than 40 years, he continued as a construction consultant for Tonn & Blank, General Contractors of Michigan City.

'20

Rex J. Self (Ch.E.), retired manager of the former Sinclair Refining Company in Trainer, Pa., for nearly 30 years, died May 24 in Upland, Pa. Mr. Self joined Sinclair in East

Chicago shortly after graduation and in 1925 was transferred to Trainer where he rose to manager in 1934.

'22

R. K. Hartsock (C.E.) died Aug 8 in Louisville. Prior to his retirement he was vice president of Louisville Cement Company, and had resided in Sellersburg, Ind. for a number of years. His son, **Bart D. Hartsock**, followed as a second generation Rose man, graduating in 1958.

'23

Richard W. Bledsoe (E.E.) died Aug. 5. Prior to his retirement he was manager, supply sales for Graybar Electric. At the time of his death he resided at Park Ridge, Ill.

'37

Clyde E. Cromwell (M.E.) died June 17 in Yardley, Pa. Prior to his retirement, he was assistant vice president and general manager of Delaval Turbine, Inc.

'41

James F. Bartholome (E.E.) died June 30 in Dayton, Ohio. He joined the Delco Division of General Motors Corporation upon graduation and had spent most of his career in the Dayton, Ohio, area.

'52

S. Bernard Robinson (Ch.E.) died June 21 in Cinnaminson, N. J. Mr. Robinson, who formerly was an engineer for Rohm & Haas, Inc., more recently was owner and president of the Cherryhill Employment Agency, Cherry Hill, N. J.

'69

Henry W. Keahey (Ch.E.) died April 28 in Evansville. Following graduation he served two years with the U.S. Army, including a one-year tour as Battalion Adjutant with the Eighth Engineer Battalion of the First Cavalry Division. At the time of his death he was working toward an M.B.A. at Indiana University.

Dr. Charles A. Kircher Dies in Detroit

Dr. Charles E. Kircher, who taught chemical engineering at Rose-Hulman from 1947 through 1951, died Aug. 29 in Detroit. in Detroit. He was 63 years old.

Dr. Kircher, who helped build the world's first atom bomb, was involved as a project manager in the nation's super-secret Manhattan Project which developed the atomic bomb during World War II.

Much of the nuclear research was done in laboratories under the University of Chicago football stadium where Dr. Kirchner worked with a group headed by world famous physicist Enrico Fermi.

A native of El Paso, Tex., Mr. Kirchner received his bachelor's and master's degrees from the California Institute of Technology and his Ph. D. in chemical engineering from Iowa State University.

(Con't from Page 4)

to nip at the large mechanized foot of the second boy. A woodpecker doing his thing and a raccoon salting an ear of sweetcorn added movement to the float.

A nucleus of 20 to 25 men constructed the float. Heading the project were Gary Dougan, Holland, construction; Dave Haynes, Indianapolis, and Dennis McCleary, West Terre Haute, transportation; and Jay Sensibaugh, Warsaw, design. Faculty advisors were Ronald G. Reeves '58, coordinator, and Dr. John Aho of civil engineering, design advisor.

ECHOES ALUMNI MAGAZINE

ROSE TECH CLUBS

NEW YORK

James F. Haring '49, President
Gary W. Phipps '60, Vice President
James F. Young '63, Secretary
Russell E. Archer, Jr. '61, Treasurer

WESTERN NEW YORK

Richard Bieman '70, Chairman

SYRACUSE

Don Nelson '53, President
Fred Ryker '59, Secretary

PHILADELPHIA

Ed Jirousek '66, President
Bill J. Sims '66, Vice President
William R. Small '57, Sec.-Treas.

PITTSBURGH

George C. Harper '41, President
Gary L. Funk '66, Sec.-Treas.

WASHINGTON & BALTIMORE

John V. White '61, President
Donald G. Slack, Vice President
Larry J. Logue '59, Sec.-Treas.

CENTRAL FLORIDA

George R. McNeil '48, President
Richard C. Rapson '63, Vice President
John A. Kuhn '65, Sec.-Treas.

LOUISVILLE

David L. Roberts '63, President
Robert E. Miller '66, Vice President
James L. Brown '65, Sec.-Treas.

NORTHEASTERN OHIO

Ronald R. Meredith '57, President
Ronald L. Danilowicz '63, Vice President
Ned P. Hannum '62, Sec.-Treas.

SOUTHWEST OHIO

Carl Wokasien '51, President
Francis H. Potts '56, 1st Vice President
Frank W. Dorfmeier Jan. '49, 2nd Vice President
Edwin M. Izumi '68, Sec.-Treas.

DETROIT

Michael Thomas '64, President
Tom Bosworth '63, 1st Vice President
Bruce Kopf '64, 2nd Vice President
James D. Watkins '64, Sec.-Treas.

CHICAGO

Frank M. Mardjetko '50, President
Richard A. Myhre '53, Vice President
Peter B. Canalia '65, Sec.-Treas.

CENTRAL ILLINOIS

Jerome Hahn '62, President
Gilbert L. Robinson '63, Sec.-Treas.

NORTHERN INDIANA

William A. Carter, Jr. '61, President
F. E. Wilson '32, Vice President
W. Allen Jannasch, Jr. '63, Sec.-Treas.

KOKOMO

Robert B. McKee '40, President
James H. Sherman '55, Vice President

INDIANAPOLIS

Ernest W. Boodt '58, President
Larry K. Rust '69, Vice-President
Charles B. Huppert '65, Sec.-Treas.

WABASH VALLEY

Wayne Loving '50, President
Robert K. Sandberg '66, Vice President
Dale Oexmann '62, Sec.-Treas.

EVANSVILLE

Richard A. Mullins '40, Chairman

ST. LOUIS

Richard D. Thomas '52, President
Charles C. DeWeese '63, Vice President
John A. Jacobi '69, Sec.-Treas.

IOWA (Effective Nov. 1, 1972)

J. Joseph Tomlinson '69, President
James W. Lane '66, Vice President
Ray V. Frischkorn '65, Sec.-Treas.

DENVER

Charles S. Meurer '42, Chairman

HOUSTON

Andrew Spence '31, Chairman

NORTH TEXAS

W. T. Weinhardt '43, President
E. Moller, Jr. '43, Sec.-Treas.

NORTHERN CALIFORNIA

Bruce E. Powell '43, President
Harry Larman '33, Vice President
Alfred J. Mayle '65, Sec.-Treas.

SOUTHERN CALIFORNIA

David W. Hackett '55, President
David C. Flock '57, Vice President
John W. Jardine '59, Sec.-Treas.

ARIZONA

Albert V. McEowen '35, Chairman

HONOLULU

Melvin A. Izumi '65, Chairman

ECHOES

Rose-Hulman Institute of Technology
5500 Wabash Avenue
Terre Haute, Indiana 47803

Second Class
Postage
PAID
at
Terre Haute, Ind.