

Rose-Hulman Institute of Technology

Rose-Hulman Scholar

Institute Inklings

Student Newspaper

Fall 10-22-1970

Volume 6, Issue 5 - October 22, 1970

Institute Inklings Staff

Rose-Hulman Institute of Technology, library@rose-hulman.edu

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Recommended Citation

Institute Inklings Staff, "Volume 6, Issue 5 - October 22, 1970" (1970). *Institute Inklings*. 79.

https://scholar.rose-hulman.edu/institute_inklings/79

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INSTITUTE INKLINGS

VOLUME 6, NUMBER 5

ROSE POLYTECHNIC INSTITUTE TERRE HAUTE, INDIANA

OCTOBER 22, 1970

"WELCOME ALUMNI"

ROSE WELCOMES NEW FACULTY MEMBERS

The *Inklings* Staff is pleased to welcome ten new members to the Rose faculty this year, along with two returning faculty members who for the last year have been doing postgraduate work.

Dr. Michael J. Moloney, who taught physics at Rose two years ago returned to the faculty as acting chairman and associate professor of physics. Dr. Moloney spent the last two years at Lafayette College, Easton, Pa. Originally from Albany, New York, he has earned a B.S. from the Illinois Institute of Technology, a masters from Massachusetts Institute of Technology in 1962 and a Ph.D. from the University of Maryland.

Dr. Teruo Ishihara joins the mechanical and aerospace engineering department as a associate professor after four years at the University of Missouri at Columbia. Dr. Ishihara received a B.S. in mechanical engineering at Washington State University, Pullman, in 1949. Following graduation, he turned to mathematics teaching and earned teacher certification at the University of California, Berkeley, in 1952 and masters in applied mathematics from San Jose State in 1958. He since has earned the M.S. and Ph.D. (1969) in mechanical engineering at the University of Arizona.

A native of New Mexico, Dr. Glenn Baca joins the chemistry department as an assistant professor. He holds a B.S., M.S. and Ph.D. in chemistry at New Mexico State University, Las Cruces.

Dr. Clarence Hull of Indiana
(Continued on Page Four)

HOMEcoming ACTIVITIES-1970

"Daisey Daisey . . ." Out of the gay nineties and into Homecoming '70 rides Rosey with his best girl. It's time to don the old derby, wax up your mustache, and join him this year on October 23rd and 24th. Why not plan to attend one or more of the numerous activities planned in correlation with this year's festivities? As a reminder, the following is a schedule of events:

FRIDAY

Alumni Institute (Registration at 12:00 noon and luncheon at 12:30).

Class Agent's Meeting (4:00 p.m. in the Hulman Memorial Union).

Pep Rally, Queen Coronation, and Bonfire (8:00 p.m. west of Shook Fieldhouse).

THE RASCALS (9:00 p.m. in the Fieldhouse).

SATURDAY

"Tuskers" Breakfast.

Rose Alumni Association Annual Meeting (10:00 a.m. in the auditorium).

Luncheon (11:30 to 1:00 p.m. at Hulman Memorial Union).

Football Game (kickoff at 1:30 p.m. against Illinois College).

Happy Hour—Alumni and Seniors only (post game in front of fieldhouse).

Alumni Banquet (6:00 p.m. in Hulman Memorial Union).

Homecoming Dances (in the Hulman Memorial Union).

Let's all try to make as many of these activities as we can—it should be a good time.

A. S. M. E. DINNER

As a prelude to the Homecoming festivities this weekend, a special invitation is extended by the Rose Chapter of the A.S.M.E. to all members of the faculty and student body to partake in a Section Dinner sponsored by J. I. Case, Inc. The course of events is scheduled to start this afternoon at 4:30 with a tour of J. I. Case, Inc. From here the activity adjourns to the Phoenix Country Club where from 6:00-7:00, all are encouraged to mingle and mince thoughts with the many successful engineers to be in attendance. At 7:00, a tantalizing steak dinner will be served to all. Cost of the meal is minimal at \$2.25, to be paid at the door.

Concluding the series of events and highlighting the program will be a joint chapter meeting of the central Indiana A.S.M.E. Certainly, everyone should be interested in attending this valuable experience, if not the fine dinner.

CHEM E's GET MONEY

Rose Polytechnic Institute has received a \$3,000 aid-to-education grant from the Atlantic Richfield Foundation.

The grant is designated as a restricted gift to the chemical engineering department and will be used for the purchase of equipment or instrumentation not available through normal department funding. The specific use will be for instrumentation and process control.

Rose is one of five colleges
(Continued on Page Two)

INSTITUTE INKLINGS STAFF

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All letters to the editor will be printed as received. There will be no editing or censorship. All letters must be typewritten, and must be signed. The name will be withheld by request. Please try to make letters brief and to the point. Letters must be in Box 605 before 3 P.M. on Mondays to be in that week's issue.

—Editor

Letter To The Editor

To the Editor:

The following letter was released recently by the Weatherman underground: "This is the fourth communication from the Weatherman underground.

The Weatherman Underground has had the honor and pleasure of helping Dr. Timothy Leary escape from the POW camp at San Luis Obispo, California.

Dr. Leary was being held against his will and against the will of millions of kids in this country. He was a political prisoner, captured for the work he did in helping all of us begin the task of creating a new culture on the barren wasteland that has been imposed on this country by the Democrats, Republicans, Capitalists, and creeps.

LSD and grass, like the herbs and cactus and mushrooms of the American Indians and countless civilizations that have existed on this planet, will help us make a future world where it will be possible to live in peace.

Now we are at war.

With the NLF and the North Vietnamese, with the Democratic Front for the Liberation of Palestine and Al Fatah, with Rap Brown and Angela Davis, with all black and brown revolutionaries, the Soledad Brothers and all prisoners of war in AmeriKan concentration camps we know that peace is only possible with the destruction of U.S. imperialism.

Our organization commits itself to the task of freeing those prisoners of war.

We are outlaws, we are free!
 (Signed)

BERNADINE DOHRN"

Dr. Leary also issued a statement at the same time, here are a few excerpts from that statement:

"... I declare that WWII is now being waged by short-haired robots whose deliberate aim is to destroy the complex web of free wild life by the imposition of mechanical order.

Listen. There are no neutrals in the genetic warfare. There are no non-combatants at Buchenwald, My Lai, or Soledad.

You are part of the death apparatus or you belong to the network of free life.

Do not be deceived. It is a classic stratagem of genocide to camouflage their wars as law and order police actions ..."

"... If you fail to see that we are the victims-defendants of genocidal war you will not understand the rage of the blacks, the fierceness of the browns, the holy fanaticism of the Palistinians, the righteous mania of the Weatherman, and

the pervasive resentment of the young.

Listen Americans. Your government is an instrument of total lethal evil ..."

"... Listen. There is no compromise with a machine. You cannot talk peace and love to a humanoid robot whose every Federal Bureautic Impulse is soulless, heartless, humorless, lifeless, loveless ..."

"... Listen comrades. The liberation war has just begun. Resist, endure, do not collaborate. Strike. You will be free ..."

"... Listen, the hour is late. Total war is upon us. Fight to live or you'll die. Freedom is life. Freedom will live."

Those are pretty strong statements from the apostle of love! With Leary now living in the underground with Rudd, Dohrn and the rest of the Weathermen, it will be interesting to see what develops in the coming weeks. It would seem that the number of bombings of Government buildings will take a sharp increase. It will also be interesting to see what steps Tricky Dick, Spiro, and Mitchell will take to try to curb the actions of the Weathermen. I only hope that something will be done in this country so that the Weathermen will not have to resort to such violence and destruction.

—MARK THOMPSON

Editor:

Last Tuesday, the thirteenth, I suggested to someone that we should bribe the officials for the Rose-Hanover game. I told him that we should have the officials allow us to rough the kicker and that they should kill the play early, to our advantage. In addition I suggested that we have someone sabotage the official clock, not call a two minute warning, and just listen to our coach for the official time.

It now (Oct. 17) occurred to me that I have never seen this man before, and the other people with whom I was with at that time also did not recognize him to be a member of the faculty, or the administration of Rose.

Sincerely

—JACK SMACK

CHEM E'S GET MONEY

(Continued from Page One)

and universities in Indiana sharing a portion of \$606,124 given by the foundation to 123 colleges, universities and educational foundations in 34 states, the District of Columbia and Canada.

PORTRAIT OF A TYPICAL ENGINEER

What is a typical engineer? What kind of fellow is he? Raudsepp recently correlated the results of a large group of studies made by psychologists to determine the personality, habits, attitudes and abilities of the engineer. Here is what he looks like:

Personally:

Reserved, self-sufficient, independent, well adjusted. Has little interest in people—he is object and idea oriented. Tends toward shyness and is not emotional or impulsive. Industrious, determined; serious, sincere, honest, orderly.

Intellectually:

Very intelligent—in the upper ten per cent of the population—he prefers math and science. Tends to be narrow; has few cultural interests; reads little outside his field. High mechanical and visual ability but is poor at communication.

Socially:

Not gregarious; he has a casual relationship with colleagues. Superficially friendly; avoids leadership in group activities. Insensitive to needs of others, has few intimate friends. Tends to conform socially; dislikes chit-chat.

At Work:

Action oriented, hard worker, eager beaver, well organized. Highly motivated to achieve a successful solution. Prefers concrete, orderly mechanical tasks; tends to be conventional. Works hard to avoid criticism and failure; cautious and conservative. Respects authority, but dislikes being supervised.

At Home:

Excellent husband and father—family oriented. Solid middle-class suburbanite; willing worker in community projects; interested in gardening, home repair and crafts.

At Play:

Active hobbyist; primarily mechanical hobbies; strong interest in outdoor life. Spectator of team sports, active participant in non-competitive sport activities. Willing participant in family-oriented recreation.

To sum up: He's an intelligent, hard-working, independent, action-oriented, solid citizen and family man.

In 1968 Rose Polytechnic Institute became the first college in the nation to grant a B.S. degree in biological engineering.

The bobcat is also known as the North American bay lynx.

What's Happenin'

Midterms are now upon us, and with six weeks behind, it seems convenient to look at those first six weeks and try to figure out just what the rest of the year will hold.

Of course, the most apparent changes were the physical improvements to the campus—new furniture in the student lounge in the main building, remodeled and refurnished classrooms in the A section. More significantly, there is the snack bar lounge for with this will come entertainment and lectures, hopefully the start of a once-nonexistent social life on campus. And finally, there is the addition to the building, which when completed, will provide the much needed office space for the Math Department. And who knows, maybe the additional classroom space will alleviate the stairway traffic jam during period changes.

But there have been some less apparent changes, too. There are many new faces in the faculty, and many missing faces. Yet it seems that the new faces are bringing change with them. Dr. Maloney, the new acting chairman of the Physics Department, has introduced a new approach to the teaching of Physics. This quarter, Physics III students were divided into two sections, one being taught under the regular method, the other, in this new method. The new method is an independent study program, where the student learns at his own pace, and may discuss any problems he has with the instructor. Testing follows each chapter, with a deadline for completing

the test with full credit. The tests are discussed with the student as they are graded, and important points which the student does not understand, are explained to him. Then he is retested and may take as many as three tests on each chapter.

Two things are at first apparent from this program. First, by putting the initiative on the student, the program will tend to separate the eager from the lazy, the achievers from the non-achievers. Secondly, the emphasis is on an individual student-faculty relationship, not only during testing, but also while the student is learning the material in the chapter. Only time and the final will tell the worth of the new program, but as a student in the new program, I feel it is a long-awaited and welcome change.

A new Humanities professor, Prof. Johnson, also brings change to Rose. Working with his two Hum IV classes, a new format for that course was decided upon. Significant points in the new format include selection by the student of those books which will be read; writing a "reaction log" for each book, an attempt to have the student analyze his feelings concerning the topic of the book, both while reading it, and after discussing it with others; and grading of these reaction logs by two students and the instructor. Again, more time is needed to analyze this approach, yet perhaps this is just what is needed to raise the esteem of the Hum Department in the eyes of the student.

So change it is on the Rose campus this year. Good or bad? You decide, but be aware of what is happening around you.

NEARSIGHTED? ENGINEER OR SOLDIER

U.S. Army vision requirements for induction or enlistment are (According to AR-40-501 Section VIII 2-13 Vision):

The causes for medical rejection for appointment, enlistment, and induction are listed below. The special administrative criteria for officer assignment to Armor, Artillery, Infantry, Corps of Engineers, Signal Corps and Military Police Corps are listed in paragraph 7-15.

a. Distant visual acuity. Distant visual acuity of any degree which does not correct to at least one of the following:

(1) 20/40 in one eye and 20/70 in the other eye.

(2) 20/30 in one eye and 20/100 in the other eye.

(3) 20/20 in one eye and 20/400 in the other eye.

b. Near visual acuity. Near visual acuity of any degree which does not correct to at least J-6 in the better eye.

c. Refractive error. Any degree of refractive error in spherical equivalent of over—minus 8.00 or plus 8.00; or if ordinary spectacles cause discomfort by reason of ghost images, prismatic displacement, etc.; or if an ophthalmological consultation reveals a condition which is disqualifying.

d. Contact lens. Complicated cases requiring contact lens for adequate correction of vision as keratoconus, corneal scars and irregular astigmatism.

Local Industry Eliminates Pollution

The Western Tar Products Corporation, 2525 Prairieton Road, has installed two new boilers at an approximate total cost of \$75,000 that will virtually eliminate all of the company's contribution to the air pollution problem in Vigo County.

Representatives of city and county government, the Terre Haute Area Chamber of Commerce, and the news media toured the company's facilities Friday morning.

Dr. Noel Moore, director of the Vigo County Division of Air Pollution Control, said, "We are elated with this voluntary

effort by the company to comply with ordinances sooner than is required." Dr. Moore said the new system will eliminate at least 95 per cent of the visible ash and carbon particulates and the sulphur dioxide will be substantially reduced.

Lew Taylor, executive vice president of the Chamber of Commerce, said, "the installation of the pollution-free combustion equipment illustrates that industry is doing something about air pollution and environmental improvement."

FIRST CLASSMANSHIP

The Ten Commandments Of Design

(1) Thou shalt have no other goal before quality.

(2) Thou shalt not make any false images of thy product.

(3) Thou shalt not bow down to the pressures of compromise.

(4) Thou shalt not take the name of thy product to shame.

(5) Honor thy customer and thy profit margin.

(6) Thou shalt not kill thy sense of perfection.

(7) Thou shalt not commit abuse of thy product's function.

(8) Thou shalt not steal lon-claims against thy design.


(9) Thou shalt not bear false claims against thy design.

(10) Thou shalt not covet thy neighbor's design, nor his design engineers, nor his production techniques.

Twelve per cent of all the male "Hoosier Scholars" of 1970 are enrolled as freshmen at Rose Polytechnic Institute.

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HANOVER RUNS OVER ROSE

The Fighting Engineers' superb defense over the first four games fell apart this past Saturday afternoon against the Hanover Panthers. On the account of this complete reversal, the Panthers' homecoming was a 25-20 success. On the running of Erich Blevins and Jim Reed, Hanover's offense rolled up a devastating total of 271 yards on the ground. This performance overshadowed the fine efforts of Rose Poly's quarterback Mike Box, who threw for 274 yards which included two touchdown passes to split end Kevin Murphy.

The Panthers struck first in the game on a six yard pass that was delivered from quarterback Dick Bergman to tight end Rick Sheppard. The p.a.t. was successful, so the Engineers were trailing 7-0 with just six minutes gone in the game. But this lead did not last for long as scrambling Mike Box connected on a 48 yard scoring strike to Mr. Murphy. Randy Shoaf added the point after touchdown and the score stood at 7-7.

During the second quarter, the roar of the Panthers could be heard over the entire stadium as they drove their way down to the Engineer's 11 yard line. At this point Rose dug in and fought gallantly for seven plays until quarterback Bergman sneaked in for the touchdown from the one yard line. This time Bill Randall blocked the p.a.t. attempt so the score stood 13-7 for the home team.

The Engineers' offense did not quit at this time as they took the ensuing kickoff, and marched down the field. This particular drive included some fine runs by backs Roger Ward and Dan Holliday and again the passing of Box. The Big Red machine finally scored on a 39 yard pass play from Box to Murphy with Shoaf kicking the successful p.a.t. Therefore, the Engineers nursed a slim 14-13 halftime lead, but the fatal second half was yet to come.

The third quarter was entirely controlled by the Panthers as they took the lead away from the Engineers and also added a little padding to that lead. The first score came on a four yard run by

FROM THE COACH

The Coaching Staff and football team wish to thank all those fans who traveled to Hanover last Saturday. We appreciate your enthusiasm and we're sorry we didn't come out in the top end of the score.

I hope you will give us the same backing at the pep rally Friday evening and also Saturday at the ball game. We are planning to be 4-2 after Saturday's ball game.

—COACH BERGMAN

Hanover's fullback Blevins, which gave his team a 19-14 lead. Unfortunately, the Engineer's offense could not mount an attack this time, so Hanover took over the ball. Again, the rushing Panthers were too much for Rose's defensive unit. They charged down the field for the score with Jim Reed carrying the pigskin over the goal line from three yards out. An attempted two point conversion failed but Hanover still had gained a 25-14 lead for Rose.

Again Box tried to fire up the defenseless Engineers with scrambling runs and pinpoint accurate passes as the game moved into the final stanza. Box moved the team down field until he scored himself from the 17 yard line to turn the lead to 25-20, as the p.a.t. attempt failed. The Engineers defense did toughen up in the last period, but it was just too late as time ran out! This week is Homecoming for Rose. Let's hope Rose can get back once again on a winning note. The ball game will begin at 2:00 p.m. against Illinois Central.

ROSE WELCOMES

(Continued from Page One)

State University is assigned as an adjunct professor and will teach organic chemistry in place of Dr. Benjamin Benjaminov who has been granted sabbatical leave to study and engage in research activities at the University of Strasbourg in France.

The mathematics department has acquired the services of Raymond Beasley. He earned a B.A. at Phillips University, Enid, Oklahoma, he also has a M.S. from the same university.

PEACE?

"I believe that there is only one way to get out of Southeast Asia, and that is to accept the fact that the damage caused by our continued military presence there to our true national interests and to our economy and social structure far outweighs the questionable advantages that result to our national interest by maintaining the Thieu-Ky government in South Vietnam or even of maintaining the division of Vietnam into two countries. When we have accepted that fact, we should firmly carry out the resulting decisions as best we can, recognizing, as France did in 1954, that the decisions may well result in a unified Vietnam under Hanoi.

Many friends of mine have written and urged me to back the President, saying that he is our only President, that he knows more of the situation

He is presently a candidate for a Ph.D. in mathematics at the University of Illinois.

Alan H. Johnson, a new member of the humanities and social science department, is also a candidate for a Ph.D. at Indiana State University. He received a B.S. in electrical engineering from Rose in 1961. He then received a masters in psychology at ISU and studied two years at Union Theological Seminary in New York City.

Louis W. Harmening, Jr., is the new registrar at Rose. He is assigned as a part time professor of humanities with the rank of assistant professor. A nine-year veteran teacher of English at the high school and college level, he has received an A.B. from DePauw and a masters from Northern Illinois University.

Robert F. Stalcup joins the biological engineering department as an instructor. He received a B.S. in biology and chemistry from Indiana State.

The R.O.T.C. department gains the services of Maj. Philip J. Galanti and Capt. Charles A. W. Hines, both hold degrees in general engineering.

Prof. Henry Winton returns to the electrical engineering department after completing work for a Ph.D. in electrical engineering at the University of Santa Clara in California. Prof. Peter Parshall is back in the humanities department after work for his Ph. D. at Indiana University.

The *Inklings* extends a hearty welcome to all!

there than any of us, that he is trying to do the best job he can, and that we should back him and our country, right or wrong. But as a man who has been in the Senate for 10 years, who has been sitting on the Foreign Relations Committee since 1964, and who, for some years now, has been in favor of withdrawing from this war, of deescalating it rather than escalating it, I would reply with the words of Carl Schurz: "My country right or wrong. But, when right, to keep it right, and when wrong, to put it right."

—Senator Clairborne Pell
R.I.

MUM PICKUP

On-campus or off-campus students who bought mums may pick them up at their specified dorms from 10 a.m. to 12 p.m. on Saturday, October 24, *only!* Please show your receipt.

Frat orders will be delivered to the house. The Student Wives' Club wishes to thank each student and faculty member who bought a mum for their support. See you again next year!



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