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Editor's note: Written by Senior M.E.

Plainly, today's mechanical engineer relies heavily on broad-ranging scientific concepts as well as his creative ability and practical experience. Almost inevitably, it seems that Rose is as weak in the opportunities for creative work and practical experience as most other institutions of learning. But then perhaps the school has accomplished more than enough if each graduate understands in four years all the basic engineering principles developed in the last decades.

A graduating mechanical engineer finds that prospective jobs generally require: (1) the use of some fundamental scientific knowledge, (2) the ability to make appropriate engineering assumptions, (3) the knowledge of basic computer programming, (4) the ability to solve complex problems by forming sets of simpler problems, (5) the ability of overall system variables such as cost and ease of manufacture, (6) the ability to think creatively, and (7) a high degree of social interest. Let us briefly examine how the Rose Mechanical Engineering graduates are prepared in each of these areas.

Taking the first three areas together, one finds in all sincerity that the Mechanical Engineering Department, with its own curriculum and with its latitude in possible electives, offers as good an opportunity for serious students to learn the fundamental background and techniques in engineering as any undergraduate school in the nation. Moving to the fourth area, that of combining simpler problems to approximate complex problems, the student seldom sees the power and necessity of this approach; but it does seem to justify the studying of "ideal" cases which at times seem far from realistic. Little course work is offered in the fifth area, and cost analysis must usually be learned

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COMMITTEE ACTION

This is the first in a series of articles designed to keep you, the student, better informed about the interworkings of the Institute. Several years ago the Institute began a policy of appointing student members to faculty committees. These members were to represent the student body as a whole by expressing student opinions and voting accordingly. These representatives are appointed by the student body president and serve for one year. However, in order for these committee members to truly be representatives of the entire student body, it is necessary that they be aware of student opinion and also, that the students be aware of committee actions.

In order to further this aim, one student member of each committee is to submit a brief report of every meeting to which he is assigned. This report will be converted into an article for the *Inklings* by the student body secretary. Published with the article will be each committee member's name and box number. Student response in the form of comments, suggestions, or questions, is encouraged.

In this way alone can we make effective use of our representation on the faculty committees. The articles will be published as received and this will not necessarily be a weekly article.

—DANA WINN
Student Body Secretary

The Constitution does not prescribe a minimum age for federal judges, the question of age remaining within the discretion of the appointing officer.

M.E. ANALYSIS

(Continued from Page One)

on a specific job. New, much can be said about the area of creativity, listed sixth, but let it suffice to say that creative thinking remains primarily an individual responsibility. All too often, a Rose M.E. student spends four years using "plugs" derived for him and techniques generated by authors while seldom attempting to produce original ideas of his own. If creative thinking can in fact be impaired by disuse, the problem becomes more than academic.

Fortunately, the large majority of professors concern themselves more with the method of solution to problems than the final result, thus allowing creativity some room to work.

The last category, which is social interest, most certainly rests on the individual. Well-roundedness is part of it. One sees that such things as social awareness are indispensable when judging the engineering mistakes that have polluted the natural resources of our country, air and water for example.
Harken back, young student, to your high school days and the occasion when the thought of attending RPI first crossed your mind. Think of the pressure and tension involved in waiting and wondering whether your mind. Think of the presence of attending RPI first crossed the occasion when the thought sure and tension involved in the pleasure of obtaining knowledge. In the past it is anticipated. And two new regions that are starting to send numbers of students to Rose are Cincinnati and northern New Jersey, especially Bergen County.

With about 700 applicants to work with, the Admissions Department will be able to judge which are admitted on other criteria than strictly academics since most applicants are well-qualified on paper. (Sat scores and rank in high school class.) They will be able to use an individual's motivation and desire as well as extracurricular activities to obtain students who can become human beings and engineers both. Of this large number of applications 520 will be accepted with approximately 460 paying the $50 deposit.

This number is expected to drop to 350 by fall. The number of men actually showing up depends on the amount of financial aid needed and the ability to get it, whether it be at Rose or any other school the student ends up attending.

A large part of the recruiting program involves personal visits to high schools by Messrs. Murdoch, Howard and Reeves. But in addition, Rose alumni clubs have been doing a great deal, inviting prospective freshmen and seniors who were visiting various parts of the country on plant trips were asked to call applicants, but the response was far from overwhelming. But maybe the underclassmen would be interested in maintaining and improving the quality of the student body, if so the best bet is to contact the Admissions Department to see what assistance may be offered.

DOUBLE DUTY

The Wyoming Department of Public Health is probably unique in the United States in that it not only must carry out statutory and governmental programs on the state level but also provide services at the local level that ordinarily would be carried out by local health units in more densely populated states.

The divisions functioning under the Wyoming Department of Public Health are the division of maternal and child health, division of crippled children, division of maternal and child health, division of dental health, division of preventive medicine, division of sanitation and division of nursing.

ENFORCEMENT FUNDS

Illinois Law Enforcement Commission officials estimate that if current indications are correct the state will get some $12 million for 1970 under the federal crime control act.

The Law Enforcement Commission members are appointed by the Governor.

The Little Dipper is the common name for the constellation Ursa Minor.
Student Government
by Jim Graham
Student Body Historian

During the past quarter, the Rose Student Government has been one of the most active organizations on the campus. A look at the accomplishments of this body makes one wonder what has happened to the grand apathetic Rose tradition. For example:

Big name entertainment at Rose—After several years of debate on the feasibility of such a project, the question was decisively settled by the success of the Association concert at Homecoming.

Quality of education—Sensing the widespread concern among the students on this subject, the student government made it an area of major importance. The first concrete step was taken when the student committee on quality of education conducted a poll which permitted students to evaluate any or all of their current professors. Tau Beta Pi followed this lead by instituting a quarterly poll for this purpose.

Improving the snack bar—The student congress gave a boost to this worthwhile goal by allocating $1,000 for this purpose.

Initiation of the shuttle-bus system—The student government played a major role in persuading the administration to join with ISU and St. Mary's in this program.

Refrigerators for the dorms—This program was proposed by Student Body President John Hodden last fall and received final administrative approval in time to go into operation this quarter.

Amendments to the student body constitution and by-laws—These amendments, passed by the student congress, clarified several points and improved the efficiency of the student courts. They remain to be passed by the general student body.

New student handbook—A committee of the student congress is nearing completion of a revised, and improved, student handbook.

Improvement of student faculty-communication—During the past quarter, student leaders have had the opportunity to voice student opinions at open faculty meetings and at informal dinners with President Logan and various faculty members.

Much more is expected to be accomplished during the following quarter, as the members of the Rose Student Government continue to donate their time and effort toward making Rose just a little bit more liveable.

MORE SELECTED SLAMS
(Continued from Page One)

4) Telling when he is lying is easy—if his lips are moving, he is.

5) The main problem when he speaks is not that truth is stranger than fiction, but instead that truth is scarcer.

6) The guy is so crooked that he could hide in the shadow of a corkscrew.

With added insults from the Library of Cut (those are from 2000 More Insults) should along with the author's originals help in destroying superior forces. A word of advice—learn to be original when possible as real life situations are twice as funny when you can spontaneously add some humor of your own design.

Spain and Portugal are the two leading countries in the world's production of cork.
Maybe we can light your fire.
Chances are, we can.
Particularly if you're interested in Engineering or Management positions.

Or in Accounting, Research and Development, Sales or Marketing.
The only way to find out is to see the Alcoa representative when he arrives on campus.

Sit down and rap with him awhile.
It could be a blazing success.
Get together with Alcoa:
February 17, 1970
An Equal Opportunity Employer
A Plans For Progress Company

Change for the better with Alcoa
two hot shooting guards, sophomore Jerry Banks and senior Tom Kinder. SUPPORT YOUR team with YOUR cheering this evening.

Last Saturday saw MacMurray College tow with the Engineers throughout the second half as they raced to a 54-39 halftime margin after holding only a 31-29 edge with seven minutes remaining in the half. This was courtesy of seven Rose turnovers, poor Engineer shooting, and a beautiful sleve-like "defense." Things didn't improve the second half as MacMurray maintained a continuous 15 to 24-point stranglehold on the Engineers on route to a 99-80 win. Don Ings and Larry Erwin led Rose with 23 and 19 markers respectively.

Friday evening, Rose had an atrocious first half as they trailed 38-35, but a brilliant second half sparked by 31 points in the first eight minutes completely subdued Illinois Tech by a 93-68 count. Ings and Tom Butwin tallied 25 and 23 points respectively to lead the Rose scoring parade.

Rose's lackadaisical Engineers face a crucial game with Earlham here tonight after showing ineptness, brilliance and then mediocrity all in two nights last weekend before sparse home crowds. The Engineers' hopes of landing a berth in the District No. 21 NAIA playoffs which could send them to the NAIA finals in Kansas City ride heavily on this game as the Quakers and Hanover are the two best squads in the district. Also, a BIG game is scheduled this Wednesday as Rose travels to Greencastle for a match with rival DePauw. A victory over a larger ICC opponent would be a big plus to the Engineer season and to their chances for a post season tourney.

Earlham boasts a fast breaking offense coupled with deadly shooting and a pressing, tenuous defense. Leading the balanced Quaker attack are freshman center Dave Gray, who leads in scoring; jumping jack Ken Stewart, a fine outside shooter and rebounder; and

LARRY SNAPP receives "Silver Snoopy" pin from Eugene Cernan for his work on Apollo 10 and 11.

ROSE GRADUATE RECEIVES ASTRONAUTS PERSONAL ACHIEVEMENT AWARD

Lanny Snapp, a Rose graduate and a member of Sigma Nu fraternity, received the Astronauts Personal Achievement Award from Eugene Cernan for his work on the manned-spacecrafts. Employed by North American Aviation, he works on the electrical systems and electronic instrumentation of the space capsules which govern the environment of the capsule and transmit data back to earth. Lanny's sister, Ethel McLain, is employed by Saga Food Service and it was thru her that this information was obtained.

Earlham Here Tonight,
Visit DePauw Wednesday

Nearly half of the wild turkeys in the United States are found in Texas.

No Blues For Blue Cheese

American blue cheese consumption has nearly tripled in the past 30 years, from 3½ million pounds in 1939 to more than 13-million pounds today. The blue streaks in the cow's milk cheese is created by the growth of a powdered ingredient, penicillium roqueforti.

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WANTED:
Frosh to join a going club that is interested in helping Rose. Come to the BOOSTER CLUB meeting Thursday, 7:00, B-119.

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At Hughes, technical staff members prepare technical publications and instructional devices for the operation and maintenance of electronic systems. Assignments are varied and provide a wide range of systems-oriented experience.

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Hughes Technical Training prepares both civilian and military personnel to operate and maintain advanced electronic systems. Instructors work directly with customers to evolve special training devices, plan field training programs and prepare courses for use at customer bases.

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Design Engineers develop sophisticated training simulators, automatic checkout and test equipment, inertial guidance, infrared testing and Command/Control systems. Included are design of analog circuits, digital logic, switch/relay logic and electro-mechanical packaging. Responsibilities extend from concept to final fabrication and evaluation.

Requirements:
B.S. degree in Electrical Engineering or Physics.

Campus Interviews
February 11

For further information on the career opportunities available at Hughes Aircraft Company, please contact your College Placement Officer or write:
Mr. R. J. Waldron,
Hughes Aircraft Company,
P.O. Box 90515,
Los Angeles, Calif. 90009.

Hughes

Hughes Aircraft Company
Equal opportunity M/F employer. U.S. citizenship is required.
Rose and Centre battle for ball during recent game.

ON THE INSIDE OF BASKETBALL

by Tom Butwin

Since the last article the Rose Basketball team has shown that when they are good they can play with anybody and when they are playing bad anybody can stay with them. Having the most talent ever to don Rose Basketball uniforms, the Engineers have not been able to put together with any great consistency the type of ball they are capable of playing. The team which has had hopes of receiving a bid for the NAIA post-season playoffs has now got to win a large portion of the remaining games to make record respectable enough for the honor. Rose is an independent team and is in competition with the rest of the independent teams of the State for the bid. It seems as though Rose has a real good chance with only one or two other teams with winning records in their section.

There is an old saying that "the third time is the charm," but Rose has proven again that conventional wisdom doesn't always apply. For the last two years Rose has hosted an invitational basketball tournament and lost. With everything going for them this year Rose came out again on the short end. It seems as though every time the team is about to prove itself, some unforeseen problem (finals, layoffs, sickness or injury) pops up and ruins everyone's hopes. Maybe all the problems are out and for the rest of the season the team can show everyone why they should receive a post-season game bid.

The latest report on the man that knows "where it's at," Til, our trainer, is that the Hai-Karate commercial people are wanting an interview with him to see if he'll accept a position in their commercials. It seems as though they have learned about him yelling in Italian and demonstrating his famous Karate chops. Watch out he'll probably be practicing and anything can happen.

Support this year for basketball has really been great. Faculty, Administration and students have really been turning out for games and also helping the spirit at school. The team says thanks and keep up the good work!

Rumors have it that one or both of the managers have been shot by Cupid and may be in need of help. Does anybody have a cure? The band adds a lot to the spirit and atmosphere of the basketball games. When they are not there something seems to be really missing. The players say it starts the adrenalin flowing.

STATE PARTY CHAIRMAN

(Continued from Page One)

on the duration of the meetings of the state legislature.

Finally, when asked to make a prediction about the next gubernatorial election, Mr. St. Angelo stated that there are many possible candidates, but reaction to the policies of Governor Whitcomb and President Nixon will be the main factors in determining the candidates of both parties.

ANNOUNCEMENT

Our Managers, Betty Rich and Jim Dryer, have "Gone Out of Their Heads" over you and have declared Tuesday Evenings at "BELOW THE SALT" as pitcher Night each week.

Between the hours of 6:00 p.m. and 9:00 p.m. all pitcher beer will be sold to customers at $1.00 per pitcher except our imported Lowenbrau Beer.

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