Rose-Hulman Institute of Technology

Rose-Hulman Scholar

Institute Inklings

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INSTITUTE INKLINGS

VOLUME 5, NUMBER 14

ROSE POLYTECHNIC INSTITUTE

TERRE HAUTE, INDIANA

FEBRUARY 6, 1970

M.E. ANALYSIS

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. Alright, let's admit 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 optimization 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 graduate is 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

VALENTINE DANCE

The I.D.C. is sponsoring a semi-formal Valentine Dance on Friday, February 13. The dance will be held from 9-12 in the main dining room of the H.M.U. There will be no admission charge for I.D.C. members and their dates with a charge of only \$1.00 for all others.

This is the only dance planned for this quarter by the I.D.C. and a lot of time, effort and money is being spent to make it a really great evening. One of the best bands in the area, The Massachusetts Assembly, will be featured and they will also provide a light show. Refreshments will also be provided. The Valentine Dance has had good support in the past and Henry Balough, I.D.C. president, is looking forward to a good turnout.

SKITRIP

On Friday, February 20, 22 students from Rose are scheduled to depart for Cadillac, Michigan, for a weekend of fun and excitement. They will be embarking on the annual I.D.C. ski trip. As an added attraction, a few girls from the Woods will also go along.

The cost is very nominal, with fees amounting to only around \$28 per person, not including food and transportation. Car pools will be set up to provide rides for everyone. At the lodge, professional instruction is available for beginning skiers and this instruction is included in the cost of the trip. There are slopes for beginners, advanced beginners and proficient skiers, so everyone can get in the act.

If you think this would be a good way to spend a weekend or if you would like to learn to ski, or both, be sure to sign up next year. A fun time is guaranteed for all.

STATE PARTY CHAIRMAN SPEAKS AT ROSE

On Monday, January 26, the Humanities Department welcomed Gordon St. Angelo, the State Chairman of the Democratic Party, to the Rose campus. The purpose of his visit was to give a presentation on the general subject of politics in connection with the Humanities II study of some of the social aspects of political maneuvering.

A graduate of North Central College, Mr. St. Angelo was Chairman of the Dubois County Democratic Party before he successfully headed the campaign of former governor Roger Branigan. In his opening remarks, Mr. St. Angelo stated that too many people in the United States are concerned about government and too few are concerned about politics. Because the United States is moved by a comparatively small number of people, Mr. St. Angelo emphasized the necessity of individual participation in politics. He noted that the "nuts and bolts" of politics are polling and registration on the precinct level, making individual participation easier but all the more necessary.

When asked who the major policy-makers in the State Democratic Party are, the State Chairman noted that there is a large body of people in positions of responsibility. Bi-racial in nature, this group is composed of former governors, Congressmen, lawyers, and businessmen. On some of the major issues in Indiana:

Democrats do not oppose the Unigov program as unworkable, but feel that the issue should have been taken to the people for a public referendum.

On the issue of reapportionment, the Democrats urge Governor Whitcomb to follow the orders of the court.

The Democrats also support a bill to lower the voting age to 18 and another bill to length-

(Continued on Page Eight)

Fall Admissions Close In February

Students who have not made application for admission a freshmen at Rose Polytechnic Institute next Fall are urged to do so before the end of Ferruary, it was announced Friday.

Duncan C. Murdoch, director of admissions at the college of engineering and science for men, said that due to a marked increase in the number of applicants and the limiting of the incoming class to 350 men, in probably will be necessary to close admissions in February

Murdoch, however, pointed out that there would be a limited number of spaces available for upperclass transfer students into early summer.

Rose Polytechnic is predicting a record enrollment of 1,10% when the 1970-71 academic yeabegins Sept. 4. This figure represents more than a 100 percent increase in enrollment i the last 10-year period.

During this same period of time the college has adopted six new degree programs, and currently offers degrees in aerospace, biological, chemical civil, electrical and mechanical engineering; chemistry, computer science, mathematics and physics.

MORE SELECTED SLAMS

Upon further consideration, it was felt that the selected slams offered last week might not last in the heat of battle and you would lose the encounter simply because you ran out of ammunition. Therefore, ar expanded arsenal might be in order. Here are a few which should hold against assault:

1) She's on the 201st day of a 14-day beauty plan.

2) They have put better heads than his on umbrellas.

3) He could never murder th truth; he never gets close enough to try.

(Continued on Page Four)

(Continued on Page Two) ...

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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 Rose. 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 apopinted 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 of the committee 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 members name and box number. Student response in the form of comments, suggestions, or uestions, 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 discetion of the appointing officer.

M.E. ANALYSIS

on a specific job. Now, 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.

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UNDERWRITERS AND INVESTMENT BANKERS

1974

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 the pleasure of obtaining knowledge in these hallowed halls would be yours. Now inject a bit of conjecture into your thoughts. Think about trying to enter the Class of 1974 and then realize that there might be a faint chance that your application would be refused.

Due to enlargement of Rose's curriculum and a much improved recruiting program under Duncan Murdoch the quality of next year's class is expected to surpass any other presently enrolled. Approximately 700 applications are expected before the end of February, about 100 more than last year, for a class of 350. Due to large number of well-quali-

fied applicants it is expected that admission will have to be closed at the end of this month.

Although 55 per cent of the class will again be from Indiana, with a large number again journeying down from the Chicago area, a wider geographical distribution than in the past 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 wellqualified 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 frosh to smokers in various parts of the country. Also present freshmen were asked to help over the holidays by talking to high school friends who might be interested in attending Rose. 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.

'DRY' LAKE

Lake George, near Canberra, Australia, fills with water three or four times a century to become 15 miles long, but it otherwise is generally dry land used for pasture, according to the Encyclopaedia Britannica.

NURSES

New York state leads the nation in the number of employed registered nurses with a total of 74,280 as of 1966; California ranks second with 58,694 and Pennsylvania third with 45,809.

OMBUDSMAN

Ombudsman is the title of the Swedish official who has the legislative authority to take up the ordinary citizen's complaints against the government.

The Naional Association for the Advancement of Colored People has paid-up membership of more than 450,000



The World Almanac notes that on election night in 1948, Republican Thomas E. Dewey went to bed anticipating becoming the next President of the United States. He awoke next morning to find that his Democratic opponent, Harry S. Truman, had been elected. Most opinion polls had predicted a Dewey landslide and some morning newspapers even came out with reports that Dewey had won.

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 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



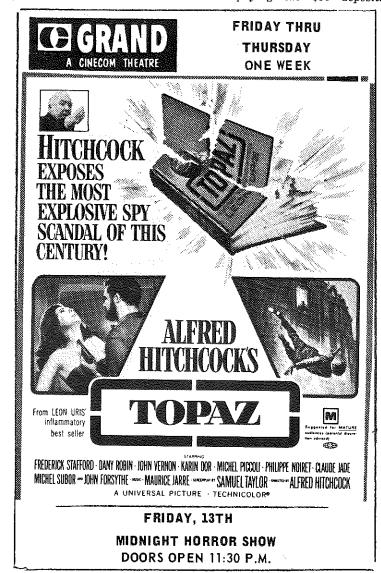
Delicious

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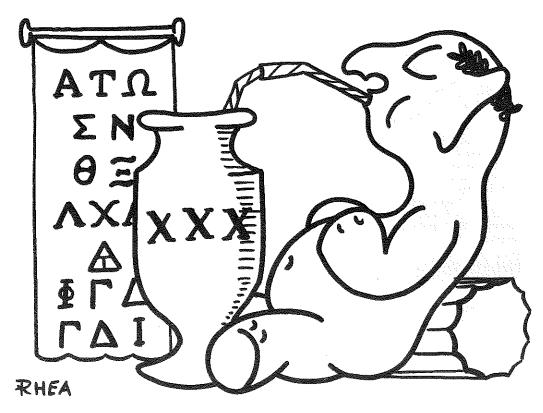
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WHY WORK TO RUSH GREEK?



AFTER ALL, WHAT'S A GRECIAN URN?

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

Initiate s Changes

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 insti-

tuting 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 Hodsden 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

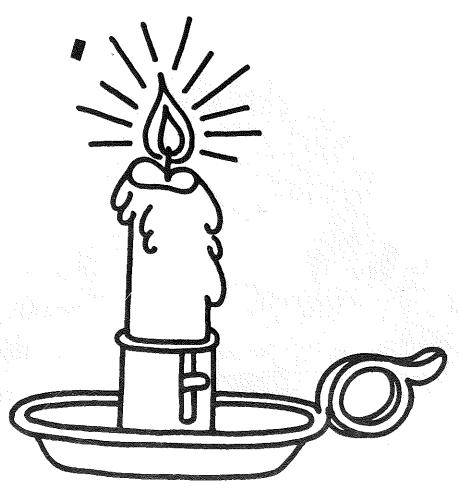
(Continued from Page One)

- 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 (these are from 2006 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.

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February 17, 1970

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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 Cernen 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

Rose's lackadaisical Engineers face a crucial game with Earlham here tonight after showing ineptness, brilliance and then mediocricity 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

WANTED

Frosh to join a going club that is interested in helping Rose. Come to the BOOSTER CLUB meeting Thursday, 7:00, B-119. season and to their chances for a post season tourney.

Earlham boasts a fast breaking offense coupled with deadly shooting and a pressing, tenacious 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

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 sieve-like "defense." Things didn't improve the second half as Mac-Murray maintained a continuous 15 to 24-point stranglehold on the Engineers en route to a 99-80 win. Don Ings and Larry Erwin led Rose with 23 and 19 markers respectively.

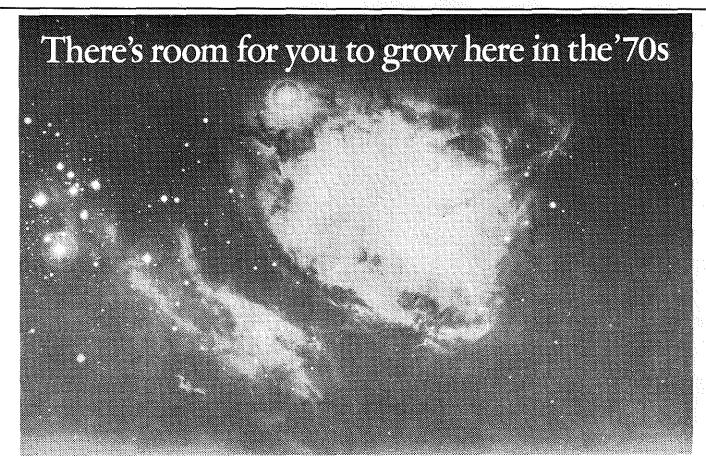
Friday evening, Rose had an atrocious first half as they trailed 38-35, but a brilliant second half sparked by 31 points in the first eight minutes completely subdued Illinois Tech by a 93-68 count. Ings and Tom Butwin tallied 25 and 23 points respectively to lead the Rose scoring parade.

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 15-million pounds today. The blue streaks in the cows' milk cheese is created by the growth of a powdered ingredient, penicillium roqueforti.

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





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Campus Interviews

February 11

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Rose and Centre battle for ball during recent game.

ON THE INSIDE OF BASKETBA

bu Tom Butwin

Since the last article the Rose Basketball team has showed 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 unforseen problem (finals, lay offs, sickness or injury) pops up and spoils 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 its 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 basket-ball 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!

Til's Italian laundry is still in need of support.

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) en 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.

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