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## Volume 5, Issue 15 - February 13, 1970

Institute Inklings Staff  
*Rose-Hulman Institute of Technology*

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# INSTITUTE INKLINGS

VOLUME 5, NUMBER 15

ROSE POLYTECHNIC INSTITUTE

TERRE HAUTE, INDIANA

FEBRUARY 13, 1970

## MODIFICATION: PART I

The first in a series of articles on the future plans of the various departments making up the curricula at Rose Poly concerns the mechanical engineering department. Last week an article was featured on the mechanical section as seen through the eyes of a senior mechanical engineering major, concentrating on the strengths and weaknesses in the structure of the department, as he sees them now. This article will pertain to the future programs of improvement to be undertaken by the mechanical engineering department.

The prefabrication building in the rear of the main building now houses the engine labs and also the aerospace lab. A major improvement is to be made when a subsonic wind tunnel will augment the present scope of study and experimentation. The part of the facilities which were previously used to house the engine labs will be converted to a laboratory to be used to study the effects of various types of stress, force, and torque. Part of the cost of the lab will be underwritten by Mueller Company.

The National Science Foundation, through one of its sponsored programs, College Science Improvement Program or CO SIP, has given a grant to the mechanical engineering department for a self-education laboratory with audio-visual aids which are geared to allow the individual student to work at his own rate of progress. This three-year program is just now getting underway and so should reach completion sometime during the '71-'72 school year. An additional increase of two members to the staff is also contemplated.

The mechanical engineering department appears to be in the process of expanding its facilities in an effort to not only keep pace with the demands made by technological advancements now, but also the postu-

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The shadow of the new water tower looms over the main building as students head for classes.

## On Student-Faculty Relation

Tuesday, February 3, the student body was invited to attend a Student-Faculty meeting. About 30 or 40 students showed up, some with proposals to make, others merely interested in what is going on.

At the meeting, it was announced that the present program for freshmen in the ROTC—40 hours of classroom contact—was not sufficient to meet the requirements of the U.S. Army. In order to meet the requirements, the program must contain 60 hours of classroom contact, and ten hours of drill. This matter was to be considered and a recommendation will be made at a later date. This will not affect the

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## PROBLEMS IN ROTC

Two weeks ago, the *Inklings* learned that the present ROTC program was not up to the standards set by the Secretary of the Army. So we decided to learn what is being done to correct or replace the program.

The trouble with the present set-up stems from the use of an experimental program with local options which was put into use at Rose last year. All that is required of the Military Science Department and school is that the course of instruction include coverage of certain areas and a minimum number of contact hours of instruction. Otherwise, all details are left to the school. It is with the number of contact hours that the majority of the trouble arises. Since MS II is not

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## DR. LOGAN IN THAILAND

Dr. John Logan was recently in Bangkok, Thailand, to deliver the keynote address at a Water Supply and Sanitation Seminar. The conference was sponsored by the United States Department of State with 500 participants from 16 South East Asian Nations. Dr. Logan also summarized the proceedings and the papers which were presented by 40 speakers. The purpose of the conference was to possibly put forth some priorities for long range water usage with the hope that developing nations will not have to face the problems of water usage and pollution currently faced by industrial nations. The conference was held from Jan. 19 to Jan. 23, 1970.

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## FRATERNITY AFTERMATH

By Bob Rollings

This is a report on the fraternity phenomenon which, as a traditionally powerful college lobby, in some manner affects every student. Caution yourself first that the information in this article clarifies and explains the fraternity subject and can only undermine the existing structure where it has relied on misinformation and impressions more than fact.

Let us begin with the controversial phrase "fraternities are dying" because we can determine the degree of truth in this statement only by knowing something about the living fraternity. As most fraternity adherents vehemently deny the supposed death of fraternities, they fail to understand the implications of the word "death." So how can a living institution like the college fraternity die? Fraternities die most often through change and only through disbandment when change is forbidden. The college fraternities which disband every month across the nation constitute only a small portion of the fraternities that die without disbanding. These fraternities experience changes from within that eliminate the qualities which had previously distinguished them from common clubs, co-op houses, or mystic orders. In essence, these fraternities die out through

evolution into an already existing social form. Thus, a living fraternal institution in its process of change ceases to be a fraternity when it can more accurately be termed a boarding house or a booze club, for example.

Then let us consider some of the common distinguishing characteristics of social fraternities which are changing. Today, the founding stones of the social fraternity, its secret ritual and oaths of membership, receive only small consideration from the members; and this is actually the reason such absolute secrecy can be maintained. Eventually, these founding stones will be done away with as an inconvenience. Also, in the past few years many fraternities have outlawed the traditional foolishness of pledge-ship and initiation. Students who once joined fraternities in order to jump blindfolded into a box of potato chips thinking it to be a box of broken glass now reject such antics as meaningless and unnecessary. Further, the supposedly all-important hard-sell rush conducted by fraternities against each other receives continually less support from students who do not wish to spend a large part of their college life being "face men" and who would not object to knowing somebody a little different than themselves.

Consider for a moment the traditional "Greek" image of Saturday drinkers, hell-raisers and seducers of women. Of course this image was highly stereotyped, but fraternities today must play up less to the image than in the past. They know that the intelligent and experienced students want and get more from their college life than these status symbols. These students create their own action without the fraternity crutch and still place importance on their education. Increasingly evident at learning institutions is that students concerned with social matters avoid the Greek label, students concerned with religious matters avoid the Greek label, and eventually students concerned with anything but their own pleasure and escape will avoid the Greek label. These are the forces which cause fraternities to evolve or else disintegrate. A few fraternities have taken on community projects; however, to date most fraternities have only been able to delete their unsatisfactory qualities without adding any new ones. In fact, many fraternities have disintegrated into card clubs, drinking clubs, or dance clubs because this fits the needs of the members. As fraternities these organizations have died.

The reason for joining a social fraternity today is plain enough: the fraternity exists— one cannot experience it without joining. By failing to join, a person loses the opportunity to take part in an organization

bigger than himself and his friends, an organization with a history before his college days and a future beyond his graduation day. The person would not experience the unusual brotherhood of a social fraternity based on a few contrived experiences and, surprisingly enough, expected to last through the trials of a lifetime. The strength of the brotherhood is probably the best condition a college fraternity can offer, but do not be misled by the irrational fraternity claim of a monopoly on all human companionship. Human associations and loyalties existed long before any college fraternity.

The need for brotherly feelings in today's world would justify the existence of fraternities which foster these attitudes. However, the need for understanding between different units of people causes one to question the fraternity's role of exaggerating differences while maintaining an exclusive, selective membership.

Hopefully, the axiom that free discussion keeps an institution from becoming stagnant and unprepared for the stresses which tend to tear it apart will work here to strengthen the college experience of all Rose students in the face of open discussion about the often concealed fraternity phenomenon. Certainly, every student should question the value of his experiences, whether he be a fraternity member or not, and seek to improve what he finds unsatisfactory.

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**DR. LOGAN IN THAILAND**

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Dr. Logan stated that he was "impressed with the acceptance of American Culture," in South East Asia. He also stated that he was impressed with the problem of water development and that there are no easy answers. In the United States we have taken our water supply for granted, assuming it to be limitless, and this has caused our present problems concerning water. It is now realized that the use of water must be planned in advance. The United States has, and is developing, the necessary techniques for the controlled use of water and it is hoped that the emerging nations can avoid our pollution problems.

In summarizing the conference Dr. Logan had this to say: "It represented a truly cooperative undertaking on the part of manufacturers, consultants, academicians, government officials, and students; it was pio-

neering; it was truly regional; and it was unique in its objectives."

Since Dr. Logan was to summarize the conference he had to attend every session and consequently was not able to see very much of the country, but yet when asked what he thought of the area he replied, "Bangkok is a sophisticated, attractive, pleasant, glamorous city."

Dr. Logan also stated that there is opportunity for leadership by engineers in South East Asia. This area, like other underdeveloped areas of the world, presents a unique opportunity and challenge for engineers to be in the forefront of their development.

**PROBLEMS IN ROTC**

*(Continued from Page One)*

scheduled this quarter a shortage of hours of contact is expected.

So an ad-hoc Student-Faculty committee was set up to study the matter and report to the Faculty Senate who have the final vote on all changes made. This committee includes Drs. Rogers and Meeks, Prof. Oxeman; students Chuck Bosenberg, Bruce Williams and Roger Ward. It is presently studying and discussing the matter with Colonel Steinborn acting as an advisor of sorts answering all questions regarding the present program and changes proposed.


The term "bank holiday," used in Great Britain, means the same thing that the term "legal holiday" means in the United States.



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**THE AGE OF WRTR**

*Editor—This article is written by one on the inside of the staff of campus radio station WRTR in an attempt to summarize their purpose in delaying the recommencement of programs from the beginning of the quarter.*

Sunday, February 1, saw the dawning of a new age in radio for Rose Tech. True to its new Aquarian self WRTR (Whimpy Radio Turned Right) has set forth to fill the gap left by the

other area radio stations. With the breaking of "Sugar Sugar" at promptly one o'clock, Wonderful Rose Tech Radio, ushered in the sound of progressive or "underground" rock, in a program of wall to wall music.


The station has been off the air since the end of last quarter in an attempt to make ready for the "Big Change" by improving their broadcasting facilities. These new improvements include a transmitter in each dormitory in order to bring you the music you want to hear, the way you want to hear it.

To sum up the results, you can say good-bye to pimple rock, pick the bubble gum out of your ears, and say hello to WRTR, broadcasting from 11 A.M. to twelve midnight each day at 1550 on your am dial.

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## B.S.B., ATO CAPTURE MAJOR B-BALL TITLES

With most of the regular season contests completed, only tournaments and playoffs remain for those whose season efforts met with success.

Recent matches witnessed the downfall of previously unbowed Mees Hall (19-2). Still on top, though, in I.M. bowling with a three-match lead over conquerer LXA, Mees' potency stems largely from their one-two punch of Paul Scheibelhut and Jim Sutor whose 179 and 177 averages place them third and fourth respectively in overall individual standings. For the first time this season, Geoff Germane of contender LXA has fleeced top individual honors from Mark Brown (Sharpenburg), 185-183, using a 431 series to reach the peak.

The I.M. volleyball championship will be at stake when third place ATO (4-2) challenges Sigma Nu (5-1) who is in a dead heat with TX for the top spot. A Sigma Nu victory would force a playoff allowing Sigma Nu to face its master of earlier in the season.

With the regular season completed and the first round of tournament play underway, what at first was considered to be a surprise developed into a veritable mismatch as B.S.B. took the measure of Sigma Nu twice, the second meeting determining who should advance in tournament play. Establishing themselves as tourney favorites, B.S.B.'s remarkable rebounding crew of Hans, Bubenzer, Foster and Olleck told the story in both games as they won convincingly, 62-51, in the opener. In the second confrontation, B.S.B., sparked by the play of Dallas Canfield, surged

from behind to edge an improved Sigma Nu team, 67-60. In other first round tourney action, Mees spanked TX, 55-46, while Speed cancelled Faculty's efforts, 50-45. Triangle's John Laehy maintained his individual prowess despite several sub-twenty point performances. Behind his 24.8 point average, cruise Brad Crackle (21.2) and Ken Horten (19.2). Final league standings revealed ATO (4-1) as the pacesetter, ahead of Mees, Sharpenburg, and Triangle all at 3-2. In league B, undefeated B.S.B. crested at 5-0, with Sigma Nu finishing second at 4-1, and Deming third, posting a 3-2 slate. Tourney Time continues with the two league victories in opposite brackets, which, barring the upset, sets the stage for a fine championship battle.

### MODIFICATION:

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lated advancements still to be made. When another expansion will be necessary is an academic question, but at this moment indications are that the mechanical engineering department is keeping abreast with situations and circumstances.

### ENGINEERS WIN

Rose Poly's basketball Engineers, continuing their win one, lose one pace, brought the season's record to 12-10 with a 96-88 win over Blackburn last Saturday night at Blackburn. Earlier this season Rose downed Blackburn at home, 109-92. The Engineers jumped off to a quick lead and led at half-time, 45-39, then put it away in the second half. Don Ings tied Barnes of Blackburn for high point honors with 28. Tom Butwin added 26. Larry Erwin, Jim Eppen and Gary Dou-

gan were also in double figures. As a team Rose hit on 55 per cent of their shots, one of the best figures of the year.

Earlier last week, on Tuesday, the Engineers traveled to Greenville and won 69-62. Rose raced to a 20-point advantage in the first half, and still led by 15 at the intermission, 35-20. Greenville came back in the second half to tighten up the game but the Engineers got hot and pulled away at the end. Gary Beck of Greenville led all scorers with 24 points. For Rose, Ings had 16, Barry Jenkins had 14, and Eppen dumped in 13. The win was somewhat costly for the Engineers, however, as Ings hurt his left arm in the game.

## CANCELLATIONS

A recent interview with Mr. Paul Headdy revealed that a number of companies have cancelled interviews at Rose within the last few months. The first three months of this academic year saw approximately 12 companies cancelling trips to our campus, however the month of February alone has reached this total.

The primary reason lies in the fact that President Nixon has attempted to tighten our economy, therefore almost all of the industries are tightening their factories and cutting their labor force down. Furthermore, many of the companies are interviewing for summer employment earlier than last year.

It is hoped that recruiting will pick up as the year goes on, however the economic situation looks bleak at the moment. Of the job offers received by the seniors, it appears that they are running a little higher than last year but no significance can be detected at such an early date.

### STUDENT-FACULTY

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present freshmen, nor will it affect the sophomore program.

Following this report, John Hodsden, president of the Student Government, made a report on what the Student Government has done so far this year, most important of which is the preparation of a complete and current Student Handbook. Also discussed were ways to improve student-faculty relations. Most of the students present expressed the idea that the faculty should try to develop a more personal relationship with the students. One suggestion was that there be set

aside a larger lounge where both the students and faculty could meet to talk about things other than what goes on in the classroom.

There were two proposals made by the students concerning the courses at the school. First, it was suggested that there be more pass-fail courses. The present system offers one course in the junior year and one course in the senior. It was suggested that this be increased to one a quarter for juniors and seniors, and to any freshmen or sophomores who wished to take an overload. It was also suggested that students could audit courses and accomplish the same ends.

The second proposal was to review the present lab situation. It was felt by the students that, compared with the amount of time put into writing up a lab report, the student did not receive an equitable amount of credit, nor did he gain that much from it.

The philosopher Eratosthenes first calculated the earth's circumference with an equation based on the linear distance between the Egyptian cities of Syene (now Aswan) and Alexandria.

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