

Spring 4-17-1970

## Volume 5, Issue 18 - April 17, 1970

Institute Inklings Staff  
*Rose-Hulman Institute of Technology*

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### Recommended Citation

Institute Inklings Staff, "Volume 5, Issue 18 - April 17, 1970" (1970). *Institute Inklings*. 91.  
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# INSTITUTE INKLINGS

VOLUME 5, NUMBER 18

ROSE POLYTECHNIC INSTITUTE

TERRE HAUTE, INDIANA

APRIL 17, 1970

## MOVING OUT . . . THE ROSE RACING ASSN.

What's happening on the Rose Campus? The Rose Polytechnic Institute Racing Association. The club was organized at the beginning of the 68-69 school year. At that time the club's 60 members decided to build a rail dragster, but when the sponsoring company failed to come through with the money to finance the car they decided to build a stock dragster.

To finance this the Racing Association sold auto parts and worked on cars. They still lacked money though, so Dr. Hill, the club's faculty sponsor, donated approximately two thousand dollars.

They had the money, now they had to decide upon which stock body to use. After looking all around the country, the club noticed that 1963 Dodge Station Wagons were doing a lot of winning in the D stock automatic class. Dr. Hill again came through for the Racing Association when he donated his 1963 Dodge Station Wagon.

The club got the engine free of charge from Chrysler Corp.; a 426 CID, 425 HP wedge-head engine.

Right now the car is built and ready to receive its 26th coat of lacquer. It will be metal-flake yellow with a metal-flake red stripe on either side.

Upon completion of the car anyone who has contributed their time to the building of the car will be eligible to enter the run-off competition to determine the driver. After that the Racing Association will be ready to race, hopefully sometime in May. The car will compete in meets throughout the country. During the two years that they will run the car they hope to make enough money to pay back Dr. Hill and maybe even come out ahead.

We then asked Dr. Hill if the RPI Racing Association had any big plans for the future.

He replied, "We hope that the wind tunnel will be far enough

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## ENVIRONMENTAL TEACH-IN

April 16 to April 26 is set for the Environmental Teach-in in Terre Haute. Renowned speakers including Ralph Nader, Senator McGovern, Mayor Lugar of Indianapolis, Mayor Hatcher of Gary, and Dr. John Logan of Rose Polytechnic Institute will discuss the topic of pollution and its control.

Mr. Nader will visit Rose on April 16 from 1 p.m. to 3 p.m. discussing the problem of pollution and conducting a question and answer period concerning that topic. April 22 will see Dr. Logan and Senator McGovern speaking at Indiana State, while Mayors Hatcher and Lugar will appear the 23rd.

Throughout the week, seminars will be conducted pertaining to the serious problem of pollution and the dangers resulting from it.

It is hoped that the faculty of Rose Polytechnic Institute will see fit not to schedule tests that week and allow students to attend these seminars without fear of penalty. Pollution is an extremely critical problem, and we as engineers must assume leadership positions in an attempt to control the serious consequences resulting from our rapid technological development.

—GREG DAWE

## CAMPUS TRAFFIC RULES

Bob Rollings

Just one more irritating situation to start the day off wrong or to begin the quarter with a sour taste is the parking problem on campus. Creeping up on you in the morning when you are thinking about something else, it is like putting a little sand in your shoe that stays there all day. In an odd sort of way those few irritating minutes of parking the car may even become the most valuable training you can get in this mass-produced Detroit society because you cannot escape the problem anywhere. The answer for the present must simply be to mentally accept the situation and stubbornly refuse to let it spoil your short little life. Park at the fieldhouse if you must; and then enjoy the short walk to the main building. Don't let the parking problem get to you because the ultimate solution of paving what remains of our small green campus can never be very satisfying.

The traffic regulations have been recently changed by a student-faculty committee to more adequately meet the parking

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## OPERATION CATAPULT

Area boys interested in attending Rose Polytechnic Institute's unique "Operation Catapult" are urged to make application within the next few days, according to Duncan C. Murdoch, director of admissions. Mr. Murdoch reports that applications for this summer's program are running approximately twenty per cent ahead of this date a year ago. In fact, more than 100 applications have been received for the program which will be limited to two sessions of 60 boys each.

The four-week sessions are June 21-July 16, and July 19-August 13.

The program is open to boys who have completed their junior year of high school and are considering a career in engineering, science or mathematics. Students must have completed three years of mathematics and one year of either chemistry or physics.

Catapult is designed to provide the student with practical experience through the "scientific method" of investigation. This includes the design of an experiment by three-man groups, as well as the collection of data and suggestions for further study.

Since the computer is now an

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## DON'T SAY IT, PROGRAM IT!

How would you, the Rose student, like to learn through the use of programmed texts, television, and the computer. On the weekends of April 4 and 11 the Rose faculty actually looked into the possibilities of using such techniques through a series of workshops conducted as a part of Rose's College Science Improvement Program (CO-SIP).

The workshops were aimed at bringing the latest innovations in engineering education to the Rose campus. Members of the faculty were able to explore and experiment with the new approaches to engineering education to find out what use and value these approaches would have to the individual professor. At the same time they were able to consult with two leaders in the field of educational technology.

The two leaders of the workshop were Robert D. Strum and John R. Ward, professors of electrical engineering at the Naval Postgraduate School, Monterey, Calif. Working together, Professors Strum and Ward have developed very different effective methods of programmed instruction in Laplace transforms and system analysis. They have published a number of programmed textbooks, including "On the Response of Linear Systems" and "State Variable Analysis." Their work has been highly praised by the American Society for Engineering Education and other educational organizations.

This, interestingly, was not the first visit to the Rose campus for Professor Strum. Having gone to Wiley High School he received his B.S. in E.E. in 1946 and later taught electrical engineering here from 1950 to 1958.

The weekend workshops included discussion of educational needs and objectives, programmed instruction and building

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## EDITORIAL

Third quarter of the 1969-70 school year has arrived at the Rose Campus, and within a few weeks the freshmen who decided that a fraternity was to be part of their college life will be activated, provided they made grades. Greek Weekend which takes place in May is to be closely correlated between fraternities through the Interfraternity Council to produce a function which will be one of the highlights of the year. Activation and Greek Weekend will provide the students at Rose with an opportunity to scrutinize the system as a whole and as each individual fraternity.

The method and spirit used by each individual fraternity in putting their pledge class through the pre-activation rigors will certainly be closely watched by those in other fraternities and also the independents. If personal degradation of the pledges is the dominant feature of the ceremonies before activation, certainly legitimate questions can be asked as to whether the fraternity is building respect and brotherhood between members and fulfilling its other goals.

Careful scrutinization will take place during Greek Weekend this year to see if the social fraternities on the Rose campus can plan and execute a successful social function for the fraternity men at Rose Polytechnic Institute. Realizing a goal of brotherhood will be a point of criticism during

this period. The purpose of the Interfraternity Council is to unify the different fraternities and direct a united effort toward common goals. If the council fails to show some forethought and planning for the events to be held, how can one expect others outside the fraternities to believe that the council is a truly united, intelligent organism working for the benefit of its members.

In conclusion, this quarter will be a period of trial for the fraternities of Rose in which there will be plenty of opportunity to show "their stuff," good or bad. Certainly if they fail to accomplish all their projected goals, there should be no harsh criticism for this failure; however, if the majority of their plans fail, the fraternities should make a careful re-evaluation and bring their planning more in line with what they profess.

—Editorial Staff

## LETTER TO THE EDITOR

It's that time of year again. From now until the end of the quarter there will be a high school prom in the Union building every Friday and Saturday evening. These large dances usually present some traffic problems. To help alleviate the traffic problem, the Union will have men placed at the main intersection and elsewhere to direct these outside groups to appropriate parking areas.

Rose men should ignore the guys directing traffic, but they should also avoid running over them. Your cooperation in handling this inconvenience will be appreciated.

Thanks,  
—The Union Staff

## WRTR EDITORIAL

This past week has witnessed several editorials from WRTR directed primarily toward the faculty and administration. Although they may have been somewhat painful, we felt that what was said needed to be said. The following editorial is directed toward the students. Although it may be somewhat painful, we think its points are also important.

The amount of vandalism taking place on campus has grown tremendously since last year. Rowdiness has reached epidemic proportions in some locations. Some residents object to this, but are afraid to do anything concrete for fear of reprisals. Obviously, this situation does little to make campus life pleasant. Two questions that have to be answered now are why this is happening, and what can be done about it. Here is one possibility.

We at WRTR feel that a major cause of the increase in damage to facilities is just plain bitterness. Oh, the upperclassmen will say that everybody's always bitter around here, and the situation will never change. As with most simple statements, it is simple, direct, and wrong. A cursory examination of the freshmen and sophomores, compared to the juniors and seniors, yields some interesting conclusions. In general, the freshmen and sophomores are less willing to sit back and ignore things that bother them. They believe in taking action. They are more impatient; finding fault quicker when the system fails to function. They talk about problems among themselves, and, when all else seems to fail, they take out their bitterness on each other—or the buildings.

This sort of protest is automatically self-defeating. Look at the events of the past year from the faculty's point of view. Fall quarter came with an easing of dormitory regulations. They were eased still more this quarter. At the same time, vandalism rose. A \$125 exit sign disappeared from Deming basement. Vending machines were smashed. Mysterious long-distance calls appeared on the school accounts. It doesn't take much consideration

to see the reaction to this. "All this trouble started when we eased the rules," the faculty might say. "The best way to stop it is clamp down on everyone and can anybody who gets out of line!" We are afraid that this has already started to happen. At a time like this, even the slightest misstep by either side could easily lead to disaster. Somebody taking his frustrations out on a fire alarm could lead to the incident that might polarize the campus. A clampdown on suspected troublemakers could lead to further student bitterness, and the whole situation could spiral out of control. Let's face it: In an out-and-out confrontation between the students and the faculty, the students would be the immediate losers. Anybody who doesn't realize where the power lies around here is either blind or stupid. So we have a student body constitution—so what? It exists only as long as the faculty chooses to accept it. The same thing applies to any student organization.

The system hasn't broken down yet. Things are still working to an extent, but excesses will kill it. Therefore, we ask you, the student, to stop and think. Sure, you're bitter. But will stacking furniture or smashing lights accomplish anything? If you're bitter, why aren't you out talking to the people who can help—instead of sitting in your rooms talking to each other.

"Alright," you say. "So who's to talk to?" For a start, how about your S-G-A and I-D-C representatives? They are your first line of action. Through them, you can make the administration aware of your gripes. If you don't have a representative, or he isn't doing anything, talk to the organization presidents. They are willing to listen.

Maybe it's some problem the Student Government can't or won't deal with. If it's an administration matter, and you know roughly who is in charge, go see him. In our experience, there is nobody on the administration or faculty who locks students out of his office. Have  
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## ARE YOU INTERESTED? ATTEND STUDENT-FACULTY MEETINGS!

For those who attended, the student-faculty meeting on April 7 provided a means by which students and faculty members could exchange ideas and views concerning the immediate environment of Rose. Since its inception, the attendance at the meeting by students and faculty alike has greatly increased. Many pertinent facts and ideas are thrashed about during this meeting, facts which are likely to influence you in the future.

Several important issues evolved during the last meeting. Colonel Robert T. Willets, Rose's business manager, is participating on a government committee to evaluate higher education in Indiana. Working with Dr. Logan and various faculty members, Colonel Willets will present five recommendations to the committee:

1. Increase state scholarships fivefold.
2. Form a Board of Regents for independent colleges (like Rose) to open regional campuses and establish new programs to promote graduate degrees and specialized study.
3. Review the tuition level of state schools. Determine if these levels are realistic with those of other schools and compare the quality of education received in the state schools.
4. Maintain the highest quality of education possible.
5. Pay a certain amount of money to a school for each graduate it produces at any level. (B.S., M.S., Ph.D.).

Recent developments in the

status of numerous faculty members were brought to our attention by Dr. Logan. Dr. Matthews became Dean of Faculty replacing Dean Criss who assumed the position of Director of Institutional Research. Dr. Roper was appointed Chairman of the Mechanical and Aerospace Engineering Department. Dr. Knudsen returned to the full-time responsibility of teaching, relinquishing the chairmanship of the Chemistry Department to Dr. Guthrie. Dr. Rogers is now devoting all his time to teaching and research as Professor Smith assumed the responsibilities of the Electrical Engineering Department. Litton Industries recently acquired the talents of Dr. Friedman, while Randy Reifers will seek his fortune in the competitive world of professional golf. Mr. William Sisson is the new Director of Placement, replacing Professor Paul Headly who is retiring after compiling an enviable record at Rose. John Bloxome also announced his retirement, crowning an outstanding career at Rose.

The Sloan Foundation, which is striving for a greater emphasis on the design segment of engineering, often provides schools throughout the nation with financial assistance to promote interest in design and its application to engineering. Although Rose was not fortunate enough to profit from the Sloan Foundation's most recent endowment, it has shown its interest in design through the

establishment of freshman projects and system analysis courses.

The Ewing Miller and Associates firm of Terre Haute is currently redesigning the Learning Resources Center which will now contain such features as:

1. New library.
2. Multi-functional auditorium seating 500 people.
3. Five experimental classrooms.
4. Computing center.
5. Audio visual storage and retaining facilities.
6. Video-tape lecture lab.

A committee under the leadership of Dr. Matthews is reviewing the current standards of the pass-fail option. Currently there exist two conflicting sets of rules governing the use of the option. Jim Graham, acting as a voice for many students expressed a desire for a greater degree of flexibility in the pass-fail system. As it now stands, students are only permitted to take one pass-fail course in each of their junior and senior years. Furthermore only eight units of pass-fail may count towards graduation. However, the rules are extremely vague and action is being taken to clarify this situation.

John Hodsdon proposed a new registration program which students would register the last week of the quarter (before finals) during the convocation hour. He felt that this would alleviate the traffic jam which occurs at the beginning of each quarter. However some opposition was raised by the administration:

1. Availability of time to obtain books would be decreased if students did not have to return to the campus before the first day of classes.

2. What about the payment of fees? When would one be able to pay his tuition and other charges?

On a final note, the admissions department issued a statement concerning Parent's Weekend on May 2 and 3. They felt that to alleviate congestion in faculty offices, parents should set up an appointment with each faculty member. Furthermore they expressed a desire that the parents attend classes on Friday in order to become better acquainted with Rose.

Next time a meeting is posted, bring your gripes and sit in. It is the best way to solve many problems existing on our campus.

## OPERATION CATAPULT

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indispensable tool in all of science, the Catapult program includes basic instruction in the use of the FORTRAN language for the IBM 1130, along with the machine-oriented language used in the Bendix G-15 computer.

While the "month of college" approach is the central idea of the program, the outstanding faculty is the key to the success of Operation Catapult. Selected for their reputation as being excellent teachers, the faculty includes Prof. Alfred Schmidt, director, and Professors Herman Moench and Oran Knudsen of the Rose faculty. Also on the staff is Harry M. Johnson, science coordinator for the Vigo County Schools.

## EXPANSION!

Necessitated by a growing student body and a need for more and better laboratory facilities, a new wing will be connected to the Chem. Eng. department at the rear of the main building here at Rose.

The new wing, which will cost approximately one-half million dollars, is part of Rose's long range development-expansion plan. The new wing will try to solve many problems at a minimum cost. When plans for the new wing were originated, the need for more office space, more classroom and study space and a long overdue shortage of laboratory space was considered.

The building will try to have a maximum use of space at minimum cost. The wing, designed and built by Construction Consultants, Inc., should be ready for use by early fall, according to business manager Col. Robert T. Willets. The wing will house eleven classrooms, a graphics laboratory, 15 faculty offices, a student lounge, mechanical room, study area, and neutron accelerator inside its 25,000 sq. ft. floor area. The building will be totally environmentally controlled, being air condition and filtered as well as heated. There will be no windows in the building. According to Col. Willets, the building will be built to look as austere as possible with a limited amount of funds. It was designed similar to a factory of today, just as the main building was designed similar to a factory at the time of its construction. It has been built with an eye to the future needs of Rose Polytechnic Institute.



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## INTER-FRATERNITY COUNCIL REPORT

The last I.F.C. meeting saw the discussion of new rush policies, Greek Weekend, and the election of officers for the coming year.

A recently proposed rush plan presents a completely new system of rush activities. The plan contains many new features which should bolster the fraternity system on our campus. Following is a brief outline of the proposed plan:

1. The first set of get-acquainted parties will occur two weeks after school begins in the fall.

2. An I.F.C. dance open to all rush prospects will kickoff the rush program. This dance will probably be scheduled the third weekend after the fall quarter begins.

3. "Open rush" begins after the first set of get-acquainted parties.

4. No fraternity men shall be allowed to discuss fraternities or attempt to "rush" a prospective initiate within the confines of a dorm after 6:00 p.m.

5. Rush will be closed for a specified period during finals week.

6. Pledging shall occur before Christmas.

7. Penalties for infraction of rush rules will not exceed a \$100 fine and-or loss of a pledge class.

As it now stands, the constitution will either be completely rewritten or the I.F.C. will wait a year to observe the aspects of a new plan before amending the present constitution.

The dates of May 15, 16 and 17 was set aside for Greek Weekend. The dance will be held Friday night, the 15th, at the Phoenix Country Club while the games will be held on the 17th. Further information concerning the activities scheduled will be presented in the next issue of the *Inklings* when more definite plans are made.

Selection of officers for the upcoming year will be made after each fraternity selects its new representatives.

In the future, the *Inklings* hope to present a more comprehensive report of the activities which surround the Greek system at Rose. We hope to provide the reader with up-to-date information concerning the events and activities which involve students and faculty alike.

## Drug Violation Arrests Of Americans Overseas

The Department of State wishes to bring to the attention of Americans traveling abroad, and particularly of young Americans, the serious consequences which may result from their arrest by foreign governments on charges of possessing, trafficking in, or smuggling illegal drugs. This announcement is made in view of a marked increase in such arrests reported by the United States consular offices.

There were 142 Americans under detention on drug charges in 20 foreign countries in February, 1969, but by February, 1970, the total has risen to 404—the largest number of Americans held for narcotics violations since records have been kept by the Department of State.

Young Americans (under 30) who are now traveling widely and in larger numbers than ever before, represent the greater number of U.S. nationals arrested abroad for narcotics violations. Most of them are unaware of the grave potential consequences of violating the laws of a foreign country, and of the limited capability of their government to assist them if they are arrested overseas. Some are the dupes of drug peddlers who subsequently inform on them to the authorities.

The penalties for narcotics violations in most countries are severe. The charge—whether possession or, more serious, trafficking—is usually determined on the basis of the quantity of narcotics involved. Possession of more than 500 grams (about one pound) results in a minimum of six years in jail plus a heavy fine in some countries, one to three years in a "detoxification asylum"—usually a mental hospital—in others. Trafficking in drugs evokes a penalty of ten years to life in others.

In some countries prison conditions are primitive (e.g., damp, underground locations; rats and vermin; insufficient light, heat and food; absence of sanitary facilities; abuse by other prisoners). Pretrial confinement of those charged can be prolonged—in some countries up to 1 year without bail. Some of it is spent in solitary confinement. Language difficulties compound the tragedy.

The increase in arrests of Americans abroad on drug charges is in part the result of intensified worldwide efforts by the U.S. Government which is working closely with other governments in an international effort to suppress the illicit trade in narcotics and marijuana. It is also related to the increase in illegal use of drugs in this country and in attempts to smuggle narcotics and marijuana into this country as indicated by Bureau of Customs seizures.

Americans traveling abroad are subject to the laws of the country they are visiting; they are not protected by U.S. laws. The U.S. Government can only seek to ensure that the American is not discriminated against—that is, that he receives the same treatment as do nationals of the country in which he is arrested who are charged with the same offense.

When a United States citizen is arrested abroad, U.S. consular officials move as quickly as possible to protect his rights, but the laws of the country where the arrest takes place determine what those rights are.

Whenever possible, an American consular officer visits the detainee on learning of his arrest, informs him of his rights, and provides him with a list of local attorneys from which to select defense counsel. If the detainee wishes, the consul helps him contact his family or friends to let them know what has happened and seek their assistance.

The consul reports the arrest and subsequent developments to the Department of State. He is in regular contact with the detainee, his attorney, and local officials to determine how the detainee is being treated, and to make sure that processing of the legal charges is not unduly delayed. He also does whatever is possible to solve any difficulties which may result from the conditions of detention. (For example, in some foreign prisons a bare subsistence diet is provided, and families are expected to supply most of the prisoner's food.)

Under U.S. law, official U.S. funds cannot be used to pay legal fees or other expenses for an indigent American detainee.

### MOVING OUT . . . ROSE RACING ASS'N.

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along in the next couple of years so that it can be used to design an all out speedcar. The type that is run on the

Bonneville Salt Flats. Now, we won't be going 500 mph, we want to get a smaller engine and get as much speed from it as possible, say in the vicinity of 200 mph."

We think the RPI Racing Association is planning to keep very busy since they also sponsor road rallies, and have a racing film every other week besides their regular weekly meetings which is every Wednesday at 4 p.m. Dr. Hill encourages all who are interested to attend.

## WRTR EDITORIAL


Some of the liberal youth of today have accepted into their ideology the use of marijuana and other illegal drugs. This change of concepts has been felt to a degree on the Rose campus; some members of the Rose student body do condone and indulge in the use of drugs.

While it is no one's business to question another's moral convictions concerning the use of drugs, a problem does arise when one's convictions effect others. No matter how one expounds the virtues of drugs, no matter what his moral convictions, he cannot side step the fact that the use of drugs, right or wrong, is illegal. A student arrested, tried, and convicted on drug charges can only serve to embarrass as well as degrade his institute, not to mention himself, in the eyes of the public. Unfortunately, a few Rose men seem to be headed in this direction. Until more lax drug legislation is passed, or until public opinion changes, this will be the case, right or wrong.

We therefore ask the few Rose students who do use marijuana and other illegal drugs to consider our points, and henceforth include the welfare of Rose, your fellow students, and particularly yourself in thoughts about drug use.

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**CAMPUS TRAFFIC RULES**

*(Continued from Page One)*

problem on campus. The new rules are more explicit in nature than the old set of rules and should be reviewed by every student. Here are the main changes:

1. Strong action will be taken against those people who do not obey safe-driving practices, because some students still like to walk safely on campus.

2. The fieldhouse lot is specifically designated as the overflow lot to be used when no room is left in your lot.

3. Driveways, lot entrances, loading zones, and areas behind the Union are at no time available for parking. Marked spaces in the lots themselves are open to all students after 5:00 on weekdays.

4. Fines will be paid to the cashier and NOT taken out of breakage deposits.

5. Students are subject to a \$5 to \$10 fine and/or suspension of the parking privilege upon receipts of a fourth ticket during any one quarter. This depends upon the decision of the Student Traffic Court, which will also call students in automatically after a third violation.

Obtain a copy of the rules in

the counseling office or read the one posted on the main bulletin board for specifics and further minor rule changes.

The Student Traffic Court will strictly enforce all stated rules in the Traffic Code. Since the parking situation is a problem, this court will not hesitate to suspend the parking privileges of those who cannot force themselves to meet the rules. This includes the freshmen and sophomores who are using the upperclassman lot east of the main building. That lot is for juniors and seniors only; and the Traffic Court will take steps to permanently suspend the parking privileges of anyone who deliberately tries to defeat the rules by obtaining a fraudulent permit.

If you do not agree with the new set of rules, talk with your Student Government representative. Also if you have extenuating individual circumstances, do not fail to appeal your traffic ticket to the Traffic Court—that's what it is for.

**WRTR EDITORIAL**

*(Continued from Page Two)*

you tried talking to your faculty advisor? Even if it has nothing to do with your courses or schedules, maybe he can help. Rose also has a counseling of-

ice—how about seeing them? If all else fails, remember that Dr. Logan maintains open office on Monday mornings just to take care of problems. Remember, if you don't utilize the accessibility that's there, how can you gripe about nobody listening to student complaints. Did you bother to make yours known?

Suppose you've seen everybody, and still can't get satisfaction. Make your problem public. The *Institute Inklings* accepts letters. WRTR will provide time for your personal statement. Maybe in this way you can let others whose opinions agree with yours know that they aren't alone.

And if all that fails, you still have one nonviolent avenue of protest. If things troubling you about Rose are sufficiently disagreeable, leave. Simply that. If enough things trouble enough students that much, the resulting mass exodus will convince even the blindest administration that something is wrong.

So there you have it. We have presented several nonviolent alternatives to tearing the place apart in order to express your bitterness. Any of them will be more effective than damaged doors, missing furni-

ture, or writing on the wall. Just because you're bitter, don't spoil things for everybody else.

**THE GREEKS ARE HERE!**

The I.F.C. is proud to announce Greek Week-End 1970, to be held on May 14-17 (Thursday thru Sunday). The Greek Week-End Planning Committee is presently submitting the following program to the I.F.C. for approval in the hopes of creating such an event truly representative of our strong Greek system at Rose Tech. The I.F.C. is in the process of re-evaluation and self analysis of its operations to determine what corrective action should be taken to put the I.F.C. into the governing capacity it is supposed to be. This analysis has been carried over to the planning of Greek Week-End, where this year's present proposal will attempt to increase the spirit and strength of the Greek system through strong interfraternity competition and through the application of intense interfraternity cooperation to organize it.

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## TENNIS TEAM SPLITS

On April 7 the Rose Tennis Team made its first road trip of the season. Earlham hosted Rose in what turned out to be a rather one-sided affair. Handicapped by the sidelining of Ron Westby due to illness and a sprained ankle sustained by Ken Brown in the second doubles match, the Engineers fell to the Quakers by a score of 8-1. The only victory for Rose was gained by Beldon Beasley in the fifth singles position. For five of the six players this meet was an introduction to intercollegiate competition.

Last Friday, April 10, Rose hosted its first meet of the season. Despite the temporary loss of two of Rose's top five players, Westby and Brown, the team managed to beat St. Joe by a score of 5-2. Victories were recorded by Rick Keevin, Al Hrubby, Gary Hess and Beldon Beasley in the top four singles positions, respectively. Later Keevin and Hrubby teamed to give Rose its first doubles win of the season.

This week the team has been practicing for the biggest meet of the season. On April 17-18 the team will travel to Wabash College for the Little State Eliminations Tournament. There, the team will be pitted against eight other Indiana small colleges including such powers as Evansville and DePauw. Probable players will be Keevin, Hrubby, Hess, Brown and Beasley.

### DON'T SAY IT, PROGRAM IT!

(Continued from Page One)

programmed laboratory equipment. They also discussed the use of television, the computer in education, and improved

methods of laboratory instruction. In addition there were a few faculty members who attempted to write a programmed instruction sequence.

One of the professors who wrote a programmed instruction sequence was Dr. Bailey. Dr. Bailey said that through these programmed texts the "student is lead to discover the material." Commenting on the workshops he said, "They were very well presented and interesting. Professors Strum and Ward are very bright men." Dr. Bailey pointed out that there is great difficulty in writing a programmed instruction sequence. For instance he said, "I spent seven hours on a section that only covered two paragraphs of a text. This helps to point out really how hard a book is to teach." On the question of whether we, the Rose students, would be using programmed texts he commented, "Never, because the material matter changes so often it just isn't feasible to write the programs."

There were two things that Dr. Bailey said he discovered from the workshop:

"1. Programmed instruction is a better way to learn in certain situations.

"2. Everybody should write one. This way the teacher is able to know the objectives of the course to be taught."

This workshop is one phase of Rose's \$300,000 COSIP program which received \$186,000 funding from the National Science Foundation last year. Primary objectives of the COSIP program at Rose are:

1. The improvement of the teaching effectiveness and efficiency by means of improved methodology.

2. The improvement of teaching techniques through the use

of teaching aids and experimental classrooms.

3. The development of a self-study laboratory in mechanical engineering to serve as a model for more effective instruction in other laboratories.

4. An investigation of the role of television in the Rose program and the establishment of a link with the four state universities' TV network to permit Rose to exchange programs with Indiana State, Indiana, Purdue and Ball State.

5. The establishment of communication with other colleges and universities which are developing new approaches to teaching and research.

To attain these objectives there will be a faculty member from the Chemistry, Physics and Math Departments working this summer on these objectives and on the writing of several programmed sequences.

## ROSE RECEIVES GRANT

During the past month Rose has announced the receipt of two new grants. One was from the Lilly Endowment Fund, Inc., for \$50,000; Lilly Endowment is funded by the Eli Lilly Company and is one of the five largest foundations in the country and has contributed \$943,000 to Rose, the majority during the last ten years.

The other grant is to cover a space of four years with \$5,000 annually to be given RPI by IBM.

Both grants are to be directed towards the Rose Centennial Development Program. This program is not something new, but it has received very little publicity in the last few years.


It is a ten year program started in 1955 and culminating in Rose's centennial year of 1974. It has as its goal 17 million dollars to be raised for various projects. At present 7 million has been raised with the remaining amount to be raised yet.

The major benefits of this program are the new buildings which are being built as a result of the funds obtained from outside sources (tuition and fees are directed exclusively towards operating expenses and only part of those are taken care of by student money). The buildings being built are the new classrooms currently under construction; new information

resources center which is now in the preliminary design stages; and the sports and recreation center (rough design sketches only at this time); as well as remodeling and improving the main building.

Of the 10 million yet to be raised, 6.5 million is earmarked for construction. Almost all of this portion will have to come in the form of grants from large foundations. 3.3 million dollars is the amount deemed necessary to meet the annual operating expenses of the school. The money to meet operating expenses (that are not covered by student tuition and fees) must come from individuals, corporations, government grants, groups interested in Rose, and the money contributed from the Alumni Fund. The Alumni Fund is able to supply \$80,000 yearly from money collected from generous Rose graduates.


The Rose Centennial Development Program is a very large undertaking but hopefully it will all be completed by the fall of 1974. The facilities to be made possible by this program will change the look of the Rose campus and will bring some of the improvements to Rose that are needed if it is to survive as a small private school.



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