New Course In Operations Research

A course in Operations Research will be offered by the Mathematics Department, second quarter this year. Operations Research was started and named during World War II in connection with military applications and has since grown in many directions to include management decisions, airline scheduling, oil refinery operations and more recently to problems in urban planning.

Professor Bailey spent five weeks this summer at a National Science Foundation Institute on Operations Research. Each week one of the outstanding people in Operations Research gave lectures on his area of interest. These included: hospital management; a simulation of the electrical system of Mexico to choose between steam and nuclear energy for a new generating plant; and money management in international companies.

The course at Rose is intended primarily for sophomores and juniors and will emphasize applications more than theory. The four prerequisites will be (1) a passing grade in Calculus (2) a small amount of computer usage (3) no more than 29 others have already signed up and (4) that it fit into your schedule.

It is hoped that the course will culminate with a project in cooperation with local industries in which teams of students will "operations research" some plant operation.

ENTERTAINMENT

As I'm sure most of you have seen, the Snack Bar has been redone. Now for it to be much of a success, entertainment is needed. It is my intention to bring in entertainment from off-campus. However, this (Continued on Page Two)
### INSTITUTE INKLINGS STAFF

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<td>Assistant Editors</td>
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<td>Circulation Staff</td>
<td>Wad Southworth, Manager; Richie Brunner, Ken Simpson, Al Hubry, Mark Helderburger, Bill Eagle, Al Feldmeyer.</td>
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<tr>
<td>Advisor</td>
<td>Mr. Kent Harris.</td>
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**Tommyknockers**

(Continued from Page One) joy both the building and the burning of that Noble Candle.

ITEM: While I neither condemn nor mourn the “loss of traditions” here at Rose, I accept the fact that the hordes of little green-beanied Freshmen doing plop tricks are gone for good. Yet I find myself wondering what will take this tradition’s place; for all things considered, it did have a useful function.

That is—How will Freshmen readily meet Upperclassmen now that the “magic” is gone? It appears that we did not propose any alternatives or consider all of the consequences before we burned this bridge.

ITEM: A certain club here at Rose has had difficulty in the past with attendance at parties. Doesn’t anyone like the idea of all the food that can be had and all the fermented malted barley you can drink for $1.50? Goodness gracious and land sakes alive! Has the Spirit of Apathy struck our appetites, too?

ITEM: A professor pointed out an additional “game” taking place last Saturday. This is how he explained it to me.

The participants need not belong to a fraternity, but more than a few do. The only requirement one needs to play this game is a girl. Regulations simply state that either she must be physically appealing to the majority of your friends, or that she wears expensive and/or fashionable clothes. Under no circumstances may your outfit be anything but green teeth. Woodsies with no teeth are not eligible.

She may wear whatever you wish, including padding, as long as your outfit is not ridiculous.

Now the game itself. You must arrive at the Football game, though when not in season a Basketball game will suffice, at least 10 minutes late. (NOTE: You are disqualified if your entrance coincides with the final gun.) You must then approach the girl in front of you and stand, keeping score as you go. You may stop and chat with your friends if you wish. You must leave the Football (Basketball, or if you’re desperate, Squamish) game after one quarter. Your exit must have an obvious one to all, as it signals the end of scoring.

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**Playboy Slams Engineering**

Between the boos and bangles in the pages of September’s Playboy was a weak, and in fact, rather had attempt at an “intellectually appealing” or serious article, “The Engineering Mentality.” The author, Gene Marine, tries to correlate the dependence of modern society on science and technology and the current state of de-humanization of life—the originality of the article strikes you immediately! I do wish to try to prove or disprove this thought, only to note what kind of a job was done by this article.

In the article, Marine attempts to ally the mystery which the average person feels towards science and technology with current actions in the political and social arenas which he feels exhibit “the machine reactions of a technological approach.” Marine feels that everybody is so wrapped up in finding simple solutions to problems and with the technique involved that they have lost their humanity in the decisions. By ascribing to such simple answers, the people have been conned by the “engineering mentality.”

Marine’s most brilliant assertion has to be: “Chicago’s cops are as much a manifestation of the engineering mentality as chain saws in the redwood forests.” First, I think it is a slam on anyone associated with engineering to be compared to the Chicago cops. Most of those “distributors of justice” would not have the foggiest notion of what an engineer does, nor have the same type of thought processes as have been developed by the four or more years of brain-badgering that most engineers go through. This is where Marine’s analysis fails. He has not distinguished between simpleton answers to problems and those which are the result of thought processes as have been developed by the four or more years of brain-badgering that most engineers go through. This is where Marine’s analysis fails. He has not distinguished between simpleton answers to problems and those which are the result of thought processes as have been developed by the four or more years of brain-badgering that most engineers go through.

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**Tennis Team Starts Fall Practice**

The Rose Tech tennis team has initiated a fall practice aimed at assessing the talent of its Freshman prospects and arriving at a tentative line-up of the six who will comprise the Rose team this spring. Returning will be the entire team from last year. Lettermen are senior Al Hruby, juniors Ron Westby, Beldon Beasley and Don Jones and sophomores Rich Keaven, Gary Hess and Ken Brown. Also, there are about 14 new aspirants hoping to make the starting team. If all goes as planned, in the short time the weather allows for the team to practice before the start of the season in the spring the team will concentrate on developing the proficiency of the doubles teams. In the last few years the tennis team has steadily improved. However, the teams Rose plays have also. Hopefully, the interest displayed this fall by those offering their talents to the team will be reflected in a winning season next year.

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**Entertainment**

(Continued from Page One) form of entertainment is costly. To supplement this entertainment, I would like Rose individuals and groups to perform without fee. This is a good chance for you to get exposure. If you would like to perform in the Coffee House on weekends, either by yourself or with a group, contact me through Campus Mail.

—Mark Murnan, Box 385 Student Activities Board
Squamish Team Turns On

Rose’s squamish team finally got itself together and started practicing for this season’s matches. A long and joyous summer of partying followed their capturing of the world championship, the squad is regrouping under new leadership. The Rose squamish team now has a new coach, Mr. Milton Freenie of Bland, Montana. He has been working diligently all weekend plotting the strategy of the team for the next ten years. It will take a supreme effort to fill the gap left by former coach and human being, Yehudi Fentish. As you know, Mr. Fentish passed on to that great squamish field in the sky as a result of complications following his injury at the victory party last spring. Because of the impression left on the squamish world by the one-time star of the Aloha, the Bali Hai bottle with which he shipped his teeth was placed in the Squamish Hall of Fame in Hoboken, New Jersey.

Now some background on Coach Freenie. This being his first coaching endeavor anywhere, Freenie said he spotted the better part of an hour familiarizing himself with Rose’s team, the history and advanced techniques of squamish. Before embarking on his new career as coach, Freenie worked as a welder at the Clay City Scrap Iron and Metal Co. After ten years as an apprentice, the usually patient Freenie lost interest and began looking for some other activity to direct his energies towards.

“I was looking mainly for a way to make a quick buck,” Freenie said in an unexpected burst of honesty. He spat and missed the wastebasket and added, “I missed.”

The main point of interest about our new coach is the technique that he’ll use during practice. He plans to hold the major portion of the practice session at night.

“I’m gonna take night movies with no sound.” This way, he says, the players will have to think to remember exactly what their mistakes were. “When I play the movies for them, it’ll be up to them to fill in the picture in their own minds,” added the freshman coach.

With preparation like this, it looks like the squamish team is off to another season.

REPRESENTATIVES TO STUDENT CONGRESS

The following men have been elected as Representatives to the Student Congress for the 1970-71 school year.

Blumberg—John Cook, James Duvall, Mike Rominger and Larry Teteloff.

Mees—Bruce Brown, Greg Gwinn, Tony Milnar and Frank Simpson.

Scharpenberg—James Marleit and David Vail.

Lambda Chi Alpha House—Ernie Jones.

Phi Gamma Delta House—Gary Bowman.

Deming—Speed—BBS—Ron Sturgeon.

CIVIL PROJECT

For each of the last five years civil engineering students at Rose Polytechnic Institute have formed mock consulting engineering firms for the purpose of analyzing the kinds of problems they will be facing as professional engineers. The students have looked into subjects as diverse as navigation of the Wabash River, local airport and hospital facilities, urban development and pollution problems of Terre Haute and Vigo County.

Although these studies were carried out strictly as academic pursuits, reports such as “Project Salvair,” an engineer’s study of the local airport, have received favorable comment from the public and various persons in the community who participated with the students on the projects.

This year the civil engineering project has taken on new dimensions. It has been expanded to include sophomore, junior and senior civil engineers, as well as students from other disciplines at Rose. Moreover, an effort is being made to include students and faculty from Indiana State University and St. Mary-of-the-Woods College.

Aided by a $7,500 federal grant under Title I—Higher Education Act of 1965, the civil engineering project this year will embark on what Dr. Dennis Sapp, chairman of civil engineering, calls “A Plan for Community-Academic Interaction.”

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THE PASSING

(Continued from Page One) with her first big song, “Down On Me.” While they were making millions of records as their fortunes grew, the driving force behind the scenes in the songs of Joplin and Hendrix spoke of longing, frustration and sorrow which was transmitted through singing and playing of “their” songs.

Dead of overdoses of drugs are Hendrix and Joplin. Perhaps drugs brought them closer to reality which they sought, but it also led to greater reality, death. The frustration expressed by Janis Joplin and Jimi Hendrix still draws the followers to their music, but now, because of drugs and the situations that prompted the singers’ decision to use the drugs, it no longer is possible for Hendrix or Joplin to see the solving of the problems of which they sang.
INTRAMURAL SPORTS

The head-knocking on the Intramural field has just begun but already many interesting games have been played. SN leads the IF standings, after a decisive victory over AXA 25-0 in the biggest game so far of this young season—witnessed by one of the largest crowds ever!

TX gained their first IF victory with a 6-0 triumph over ATO. In the other IF game, this past Sunday, Triangle rolled over the Figi’s 20-0!

First place SN also won its first game in IF with a 19-0 victory over TX. Last week of action. ATO started off on the right foot with a 6-4 romp over the brothers of Triangle.

In IM play, the fraternities were again dominating the action. SN moved down Off-Campus 26-0 while ATO ran over BSB 34-0 and LXA beat the Figi’s again, 34-0. In the other remaining contests, the following scores were recorded:

<table>
<thead>
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<th>Team</th>
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<tr>
<td>SN</td>
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<tr>
<td>PHI</td>
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ROCK GROUPS IN CHICAGO AREA

If you might happen to be in the Chicago area there are a number of rock groups which you might think heavy enough to bother to see.

Oct 10—Poco/Livingston Taylor

Oct 16 — Grand Funk Railroad

Oct 24—Leon Russell

Nov 6—Traffic

Nov 13—Rod Stewart and Small Faces

Nov 14—John Sebastian

Nov 20—Ten Years After

Nov 21—Frank Zappa and the Mothers of Invention

Nov 22—Smooky Robinson and The Miracles

Nov 26—Chicago

If you want any information on tickets for any of the concerts you can write to: 22nd Century Productions, 70 West Hubbard Street, Chicago, Illinois 60610.

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ROSE CAPTURES SECOND WIN

Much can be said about Saturday’s conquest of Principia’s Indians. Regaining their winning form, the Engineers completely outmaneuvered a hostile Indian crew by far more than the 17-7 final margin would indicate. Coming to town boasting of victory over tough Iowa Wesleyan, Principia was on the warpath, seeking to continue its seemingly endless football domination of Rose. Not so on this day! In rare form, however, the Engineers’ offense, led by Seniors Denny Smith and Roger Ward, gave the defensive crew a needed respite from its chores, as the offense controlled the ball for virtually the entirety of the contest.

Despite the absence of scoring in the initial quarter, it was typical of the entire afternoon as the Engineers allowed Principia just six offensive plays. The second canto saw the scoring ice broken, as Kevin Murphy took one of talented Mike Box’s flings 68 yards to open up a ten-point bulge, Randy Shoaf having split the uprights from 25 yards out earlier in the contest. Before halftime activities could start, however, the Indians’ Scott Bemis pounced over from the one to narrow the bulge to 10-7.

The Rose Legions put together another offensive effort at the outbreak of the third sector of play, culmination in the final marker of the contest, as rugged Dan Moss accepted Box’s second T.D. toss.

From this point, the defense, unable to play through most of the game, took charge of the skirmish, almost laughingly squelching the Principia offense and its fine quarterback, Glenn Johnson.

It is impressive to note that the Rose running attack, notably Roger Ward and Dan Holiday, accumulated 222 yards. Meanwhile Mike Box, going the distance at the driver’s seat, looked superb as he threw the ball with ease to Murphy, Moss and Ed Adams for 156 yards and two T.D.’s. Also to be noted was the grandeur with which the defensive gladiators, such as Buzz Scharringham and Dan Peelman, sought to literally destroy a formerly staunch attack. Moreover, the Engineers have found their studs and should be ready for the fine Indiana Central team next week.

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HARRIERS WIN

The Rose cross country team ran its record to 2-1 by defeating Evansville last Saturday by a score of 19-40 in the first home meet of the season. Rose took four out of the first five places and nine of the first 12 as Tom Hans crossed the line ahead of all runners in a time of 22:23 for the four miles. Following in a closely-packed group was Rose teammate Eric Nelson at 22:32, an Evansville runner at 22:38, Cecil Whitaker at 22:40 and Chuck Moseman at 22:43.

This week there was a home meet with Marian College Tuesday (results not available) and a home meet will be held tomorrow against the Speed parking lot against Franklin. Rose defeated Marian earlier this season and Franklin last year. Franklin should be considered the underdog again as Rose’s depth is greater this year than last even though senior Greg Shuttske, a top runner, is still recovering from a kidney ailment.

More than 75 per cent of the student body receives financial aid of some kind at Rose Polytechnic Institute.