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Rose-Hulman Institute of Technology

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INSTITUTE INKLINGS

VOLUME 3 - NUMBER 16 ROSE POLYTECHNIC INSTITUTE TERRE HAUTE, INDIANA FEBRUARY 9, 1968

TO THE STUDENT BODY

February 8, 1968

The Rose Chapter of the AAUP (American Association of University Professors) has been discussing the subject of "intellectual atmosphere" in recent meetings. Areas of concern have been the factors which contribute to and detract from academic and intellectual stimulation and their relation to conditions at Rose. Thus far, debate has been within our faculty group. Now we wish to examine this topic from another viewpoint.

Thus, we ask you to consider such questions as: What have been the motivating factors in your academic endeavors? What, if anything, has stifled your progress here? What facets of the curriculum and overall academic program are the strongest? Which require improvement or changes?

We invite your answers to these and related questions and ask that written comments be submitted to Dr. Sakano in the Chemistry Department, Box 337, by Monday,

(Continued on Page Two)

NEW CIVIL HONORARY FRATERNITY FORMED

Recently another honor fraternity has been formed on the Rose campus. Chi Epsilon is a national honor fraternity for civil engineers. It has been stipulated that Chi Epsilon will be open to sophomore, junior, or seniors who are in the top one-third of their civil engineering class. Present members of Rose's colony are: Don Wile, Sr.; Jerry Wones, Sr.; Dave Ripple, Jr.; Mike Isenberg, Jr.; Joseph Schneider, Jr., and Ken Burkhart, Jr. Chi Epsilon is being organized with the assistance of Major Reedy of the military department. Major Reedy is a Chi Epsilon of the University of Missouri.

ASCE CONFERENCE HOSTS FINE SPEAKERS

The student chapter conference of the American Society of Civil Engineers, which is to be held on February 16 and 17, on the Rose Campus will feature several fine speakers. This sixth annual meeting of the Great Lakes Region of ASCE will host six prominent men of the civil engineering world.

Speaking on "Human Factors in the Lunar Module" will be Bernard Kram of Grumann Aircraft Corporation. Mr. Kram is group leader of a team of engineers that are building an exact scale model of the moon's surface based on pictures from Ranger 9 Satellite.

Tom Henderson, general manager of the Properties and Buildings division of Guy F. Atkinson Company will present a talk on the "Oakland-Alameda County Coliseum Complex." Mr. Henderson played a key role in the construction of the 15,000 seat structure.

A talk on "Introduction to Deep Ocean Engineering" will be given

by Don Potter. He is an engineer with the Waterfront and Weight Handling Section of the Naval Facilities Engineering Command. His discussion will center around the present and future activities of this Bureau.

Cornelius Wandmacher, Dean of the Engineering College at the University of Cincinnati will discuss "Development of the Engineer."

The "Erie-Niagara Basin" area of the New York State Comprehensive Water Resources Plan is the topic of Alan H. Schultz. Mr. Schultz is section head of a group which is master planning the use of the basin's water through the year 2020.

As an added feature, a film of the Experimental Prototype City of Tomorrow which will be in Disneyland will be shown.

All interested students and faculty of Rose and others are welcome to attend the conference.

ACADEMIC HONESTY COMMITTEE FORMED

The Committee on Academic Honesty was initiated by John Elzufon, President of the Student Body, in the hope that the practice commonly known as cheating could be suppressed.

The Committee has to date met twice. During the first meeting on January 24, the problem was discussed in general terms. The committee met a second time on January 31. The following general policy statement was agreed upon by the committee members.

"In light of the fact that giving and receiving of assistance on examinations does exist on this cam-

(Continued on Page Three)

INQUIRIES RECEIVED FOR "OPERATION CATAPULT"

With enrollment limited to only 60 students in each of the two "Operation Catapult" sessions at Rose Polytechnic Institute this summer, over 25 inquiries have already been received, according to Dr. Marvin McMillin, director of the program.

Designed for prospective engineers and scientists, "Operation Catapult," begun last year, was a single four-week incentive program for young men who had completed their junior year of high school. Popularity of the program was shown by the total of 67 students coming from as far away as Florida, Texas and New Jersey. Twenty were from outside Indiana, 10 from the Vigo County area and

(Continued on Page Six)

INSTITUTE INKLINGS

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LETTER TO THE EDITOR

Dear Sir:

Some students tell me that a Rose man does not feel free to express himself in print—in the *Inklings*—for fear of criticism and/or reprisals from faculty and administration. Past cases of alleged repression of people and ideas are cited, but in no case are the details clear.

I happen to believe that freedom of expression is a student right, guaranteed by the Constitution, and that the faculty and administration of this institution honor and uphold that right.

Let us lay to rest this tired tale of suppression by initiating some genuine dialogue about issues important to Rose. The campus newspaper is the students' best channel for responsible expression of opinion, for advocacy of change, and for the kind of constructive "griping" that is necessary to the vitality of any school. "Speak," as they say, "or forever hold your peace."

L. Rose
 Humanities

TO THE STUDENT BODY

(Continued from Page One)

February 19. On the bases of these comments, several students will be invited to participate in our next chapter meeting, Monday, Febru-

ary 26. Selection will be on the basis of responsible constructive replies with an effort to secure a representative cross section of the student body. Hopefully the information from our initial meeting with the students will result in an open forum involving the entire student body. We ask all interested students, including the rabble-rousers and dissenters, to give us their comments.

Rose AAUP Executive
 Committee
 Dr. Theodore Sakano
 Dr. Frank A. Guthrie
 Dr. Larry L. Rose

TUTORING PROGRAM BEGINS

The Hyte Community Center Tutoring Program will again be in session this quarter, beginning with tutor training meetings, Monday through Friday, Feb. 12-15. Actual tutoring begins Monday, Feb. 19.

In this program, college students work with children of grade school age. The primary concern is the sharing of ideas between child and tutor. This is a learning process which may mean help with fundamentals of reading and arithmetic or just plain companionship. Rose students have been very responsive to the program and are

again urged to participate.

Interested students who did not attend the Feb. 6 organization meeting are asked to contact either Dr. Rose, Humanities, or Dr. Sakano, Chemistry, as soon as possible.

BIOPHYSICS SEMINAR

Rose Polytechnic Institute will present a biophysics seminar Wednesday, Feb. 14, with Dr. John Swez of Indiana State University speaking on "Observation on the Injection Mechanism of Bacterial Phase I."

Dr. Swez, assistant professor of biophysics at Indiana State, is concerned with the research areas of molecular biophysics and microbiology. His presentation will be on a study of the time required to transfer the nucleic acid of a virus to host bacteria and he will discuss diffusion and kinetic studies as a means of determining the mechanism of transfer.

The joint seminar is sponsored by the Rose Physics and Biological Engineering Departments.

The lecture, which will begin at 9:40 a.m., is scheduled for Room B-119.

VIDEO-TAPED COURSES

Video-taped courses by three members of the Rose Polytechnic Institute faculty will soon be used in the educational program of International Business Machines Corp. (IBM) throughout the country.

IBM has taped courses at its Greencastle plant by Dr. James B. Matthews, associate professor and chairman of the Rose Mechanical Engineering Department; Irvin P. Hooper, professor of mechanical engineering, and Dr. P. David Smith, associate professor of electrical engineering. Dr. Matthews' recording was of a course in machine design, Hooper's course was in physical metallurgy and Dr. Smith recorded a course in electronics.

The courses are part of the IBM in-house program for training its personnel.

A bridegroom is a man amazed at the outcome of what he considered to be a harmless little flirtation.—Brandon (Fla.) News.

**ACADEMIC HONESTY
COMMITTEE FORMED**

(Continued from Page One)

pus, appropriate action should be taken. It is understood that all students should govern and discipline themselves. However, from a practical and realistic point of view some students are not inclined to be voluntarily honorable. It then becomes the joint responsibility of faculty and students to take positive action which will promote justice and equity for all."

Also at the second meeting two lists were formulated. The first tabulates some of the known methods of cheating and the second consists of suggestions to the faculty. Although neither list is complete, the committee feels that it has a useful starting point in these lists.

Forms of Cheating

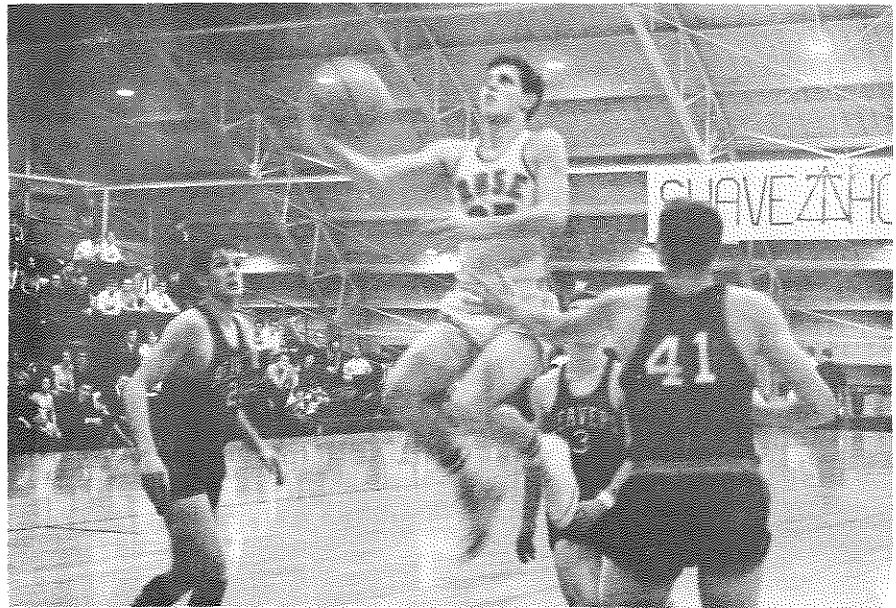
1. Crib sheets.
2. Pre-arranged scating patterns.
3. Paper passing.
4. Restroom meetings.
5. Direct verbal communication.
6. Prearranged codes.
7. Intentional delay of test date (individual).
8. Exposing test answers.

Suggestions to the Faculty

1. State position against cheating.
2. Avoid crowded test room.
3. Closer proctoring.
4. Scramble sheets and test.
5. Have test checked in when leaving.
6. Open book exams.
7. Make-up exams different from original test.

Academic Honesty Committee:

John Shambach, Ted McKain, John Borst, Toby Kraft, John Andis, Chairman; Dr. James Matthews, Dr. Charles Rogers, Major John Ratcliffe and Prof. Herman Moench.



Don Ings drives for a lay-up against Blackburn cast Saturday night. Ings led the Engineers to the 102-75 victory by scoring 26 points.

BLEACHER BEAT

With an impressive 15-5 record under their belt, the Engineers will invade Rockford, Ill., Saturday night to play the best ball club Rockford is averaging 98 points a game, as opposed to Rose's 95-point average. The game will be played in Rockford's beautiful new gymnasium complex. The trip will be a long one for the Engineers, and will require a layover in Rockford before heading home Sunday.

Tuesday, Rose will travel to Earlham College to play the best small college team in the state of Indiana. Earlham is 20-1 for the season, dropping its only game to

Indiana Central, who they have since destroyed in a second game by 30 points.

With last Saturday's conference win over Greenville, Rose clinched a tie for the Prairie College Conference Championship. A win over either Illinois College or Principia will give Rose the undisputed conference title.

**NEW GRADING
SYSTEM PROPOSED**

After consulting faculty members and Rose students, and after a lengthy discussion in the executive cabinet, it was decided by President John Elzufon that an investigation should be conducted

(Continued on Page Six)

**OPPORTUNITIES FOR
ENGINEERING
GRADUATES**



CAMPUS INTERVIEWS

February 22, 1968



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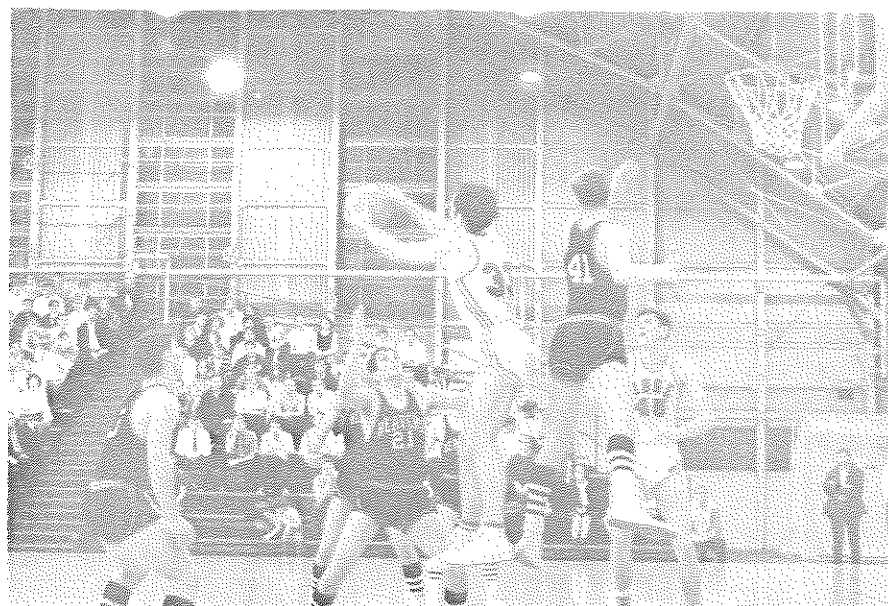
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George Shaver snares a rebound in the Blackburn game. Rose out-rebounded the Beavers 62-52.

Student Rights Statement

MINNEAPOLIS, Minn. (CPS) —Last summer representatives of five education related organizations joined together to draft a statement of the Twelve Freedoms for Students. With the recent acceptance of the draft by the American Association of Colleges (AAC), three of the five associations have accepted.

The two other groups that have voted acceptance are the National Student Association (NSA) and the American Association of University Professors (AAUP). The National Association of Student Personnel Administrators and the National Association of Womens Deans and Counselors have not yet expressed their acceptance. Rose Polytechnic Institute is a member of the AAC and the AAUP.

Proponents of the students rights statement are now confident of unanimous approval by all five groups, since the AAC was considered the greatest hurdle.

Acceptance by the AAC with a surprising vote of 220-50 was apparently the result of students' arguments that a failure to accept the statement would result with student unrest and protest and student use of the courts. NSA President Ed Schwartz, a strong proponent of the joint statement, went to the AAC conference armed with an extensive NSA study of

student protests and a statement signed by 62 student body presidents.

The opposition in the AAC was led by a group of small Indiana colleges who wanted action to be delayed for a year. They wanted more time to review the statement and to take it before the board of trustees. Twenty-six Jesuit colleges led the fight for adoption, saying that the AAC should "act positively" to get the statement adopted this year.

The Twelve Freedoms for Students are listed below with the recommendations of the AAUP:

1. Freedom of expression. Students and Student organizations: "should be free to examine and to discuss all questions of interest to them, and to express opinions publicly or privately."

2. Freedom of the press. "The student press should be free of

ensorship and advance approval of copy, and its editors and managers should be free to develop their own editorial policies and news coverage."

3. Freedom of association. "Students should be free to organize and join associations to promote their common interests . . . Affiliation with an extramural organization should not of itself affect recognition of a student organization."

4. Freedom to choose speakers and topics. "Students should be allowed to invite and to hear any person of their own choosing. While the orderly scheduling of
(Continued on Page Five)

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STUDENT RIGHTS STATEMENT

(Continued from Page Four)

facilities may require the observance of routine procedures before a guest speaker is invited to appear on campus, institutional control of campus facilities should never be used as a device of censorship."

5. Freedom of protest. "Students should be free to support causes by any orderly means which does not disrupt the regular and essential operation of the institution."

6. Freedom from discrimination. "While sectarian institutions may give admission preference to students of their own persuasion, such a preference should be clearly and publicly stated. College facilities and services should be open to all students, and institutions should use their influence to secure equal access for all students to public facilities in the local community."

7. Freedom from disciplinary action without due process. "In developing responsible student conduct, disciplinary proceedings play a role substantially secondary to counseling, guidance, admonition, and example. In the exceptional circumstances when these preferred means fail to resolve problems of student conduct, proper procedural safeguards should be observed to protect the student from the unfair imposition of serious penalties and should include, among many features, a hearing in which the burden of proof should rest upon the officials bringing the charge."

8. Freedom from arbitrary regulation of conduct. "The student body should have clearly defined means to participate in the formulation and application of regulations affecting student affairs."

9. Freedom to use rights as a private citizen. "As citizens, students should enjoy the same freedom of speech, peaceful assembly, and right of petition that other citizens enjoy. Faculty members and administrative officials should insure that institutional powers are not employed to inhibit . . . their off-campus activities and their exercise of the rights of citizenship."

10. Freedom from improper disclosure. "Information about student views, beliefs, and political associations which professors acquire in the course of their work as instructors, advisers, and counselors should be considered confidential. Protection against improper disclosure is a serious professional obligation."

11. Freedom from off-campus denial of rights. "Activities of students may upon occasion result

in violation of law. In such cases, institutional officials should appraise students of their legal rights and may offer other assistance."

12. Freedom of thought in the classroom. "Students are responsible for learning thoroughly the content of any course of study, but they should be free to take reasoned exception to the data or views offered, and to reserve judgment."

(Continued on Page Six)



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INQUIRIES RECEIVED FOR "OPERATION CATAPULT"

(Continued from Page One)

37 from other Indiana communities.

Two identical sessions have been planned for this summer at Rose, the first from June 16 to July 11 and the second from July 14 to Aug. 8. The decision to enlarge the program from the single session of last year was made to accommodate the large number of applicants who met entrance qualifications but for whom instructional personnel and facilities were not available.

Dr. McMillin emphasizes that "Operation Catapult" is not a remedial program but has been designed to allow students to integrate and supplement previous learning while living in a group on the Institute campus.

Although lectures are used, emphasis is placed upon a practical problem-solving approach involving extensive laboratory work. Each student takes part in individual and group projects which may be suggested by themselves or by the faculty. Field trips and educational films are also a part of the program.

To encourage student exploration, an outstanding faculty will guide rather than dictate. In addition to Dr. McMillin as director, other Rose faculty members who will take part in the program are Dean Herman A. Moench, Prof. Alfred R. Schmidt and Dr. Oran M. Knudsen. Harry Johnson, science coordinator of the Vigo County Schools, will also be a member of the Catapult faculty. In addition, a group of Rose upperclassmen, selected for their academic and leadership abilities, will work closely with the students.

The content of each program will include work in mathematics, physical science, the humanities and elementary engineering problems. Students will also become involved in elementary computer programming, in reading improvement, and in recreational activities, both organized and unorganized.

Students will have a look at the development of mathematical tools and their use in applied science and methods for measuring quantities

that can be used to describe physical properties of matter. In humanities, they will investigate methods by which scientific information can be formulated and communicated. Each of the two programs will also include attendance at dramatic and musical performances being offered in the area.

Each program will emphasize the unified approach and an attempt will be made to use the insight from all areas of knowledge in solving problems.

BEAVERS DROWN IN WAKE OF ENGINEERS

Blackburn's Beavers couldn't dam up the Engineers' flow of field goals well enough to stay above water and at the final buzzer Rose had drowned them out, 102-75.

Don Ings and Ralph Rogers led R.P.I.'s onslaught. Ings led all scorers popping in 26 points, while Rogers added 12 points and rebounds. For Rose, everyone broke into the scoring column. Jim Pet-tee and Jerry Wones chipped in 11 each, along with Ken Horton 13, and Dave Yeager 8. George Shaver, John Leahy, Tom Butwin and Dimitri Cordero combined for the remaining 17.

Statistically the Engineers held a definite edge, out-rebounding the Beavers 62-52 and scoring at a 50% clip compared to Blackburn's 34%.

Four Beavers broke double figures. Robley led with 19, Reigel hit for 18, Stauffer 11 and Rhoads 10.

NEW GRADING SYSTEM

(Continued from Page Three)

regarding grading methods. It was suggested that a 3.5 and a 2.5 should be incorporated in the present system.

At the present time a poll is being conducted among members of the faculty to determine whether there is support for the change. If support is found, then it is hoped that the method can be tested. A selected group, representing a cross-section of the student body, will be graded using both the new and old method. It can then be determined whether or not there is a significant shift of the grade curve, or perhaps a disappearance

of 4.0 cumulatives. The students tested will not have knowledge of being graded on the new system, and they will receive grades based on the old system.

The poll is being taken by Student Government with assistance from members of Tau Beta Pi.

STUDENT RIGHTS

(Continued from Page Five)

ment about matters of opinion . . . Students are responsible for maintaining standards of academic performance established by their professors, but they should have protection through orderly procedures against prejudiced or capricious academic evaluation."

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FRATERNITY NEWS

ATO

Saturday, Feb. 10, the brothers will collect for the Heart Fund. This has become an annual event of the chapter and we are proud to have the opportunity to be of service. This year we are in competition with the A.T.O. chapter at State. We will cover the south side of Terre Haute, while they cover the north. WBOW will have a running tabulation of the proceeds to increase interest in the drive.

There have been some new additions to our house, something that has been needed for quite a while. These are in the form of candy and cigarette machines which are already taking the brothers money.

Two of the brothers lost their pins lately. Ted Willer became pinned to his childhood sweetheart, Kathy Allen, while our boy from Texas, Bill Spence, lost his due to a "misunderstanding." State Day is fast approaching and this year it is to be held at I.U. on the week-end of March 8th and 9th. This presents an opportunity for some of the other members of Gamma Gamma to also lose their pins, right, Brothers Rupp and Trueb.

Once again the date of ground breaking for our new house has been set. This is March 2, and it looks "as though this one will probably be met."

DR. HARALD ESCH SPEAKER AT SEMINAR

Dr. Harald Esch, associate professor of biology at the University of Notre Dame, spoke at the seminar of the Rose Polytechnic Institute Biological Engineering Department Wednesday, Feb. 7. The seminar was held third hour in Room B-119.

Dr. Esch used a study on the communication of bees which he has been making as the subject of his talk. He also showed a videotape recording of some of his experiments.

"They have pills that will cure almost anything except the watusi, the frug and the jerk."

PI TAU SIGMA FORMALLY INSTALLED

The new Rose chapter of Pi Tau Sigma, the national mechanical engineering honorary fraternity, will be formally installed Wednesday, Feb. 21.

Guests include Dr. James Bayne from Illinois, the national secretary; Prof. E. K. Springer, na-

tional president, and Prof. Dave Clark, former national president and secretary.

Formal installation will take place at 4:30 on campus, to be followed by a banquet at Henri's Restaurant. Pi Tau Sigma has 25 members plus the head of the mechanical engineering department, Dr. Matthews, and the sponsor, Prof. Dekker.

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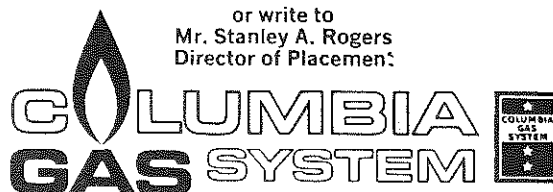
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SPORTS FROM THE BENCH

by Rick Brandt

Til Panaranto began his athletic career as a pitcher in the farm system of the then great New York Yankees. He played pro ball from 1940 till 1948 with the exception of three war years, during which he served in the United States Army.

After retiring from baseball because of arm trouble, he became a bartender, or as Til puts it, "I received a Ph.D. in mixology from the University of Boozeland." He continued his research work in mixology until 1962, when he decided to return to athletics by answering Rose's ad in the paper and becoming the first athletic trainer in the history of Rose Polytechnic Institute.

When Til first arrived at Rose, the training room consisted of a "couple of Band-aids laying on that shelf over in the corner." That was when Til began putting up to 100 hours per week into the fieldhouse. He cleaned, painted and generally fixed up the fieldhouse and its meager array of equipment. He converted an old storage area into the present day training

room, and asked the school to buy some new equipment, which it did. Til got the tables and a whirlpool bath the first year. Every year since then, he has managed to get more and more until the training room became what it is today.

Today, Til's duties require about 80 hours per week and consist of keeping the fieldhouse, the football field, the baseball field, the tennis courts, and everything else connected with the athletic department in good repair, including the athletes themselves.

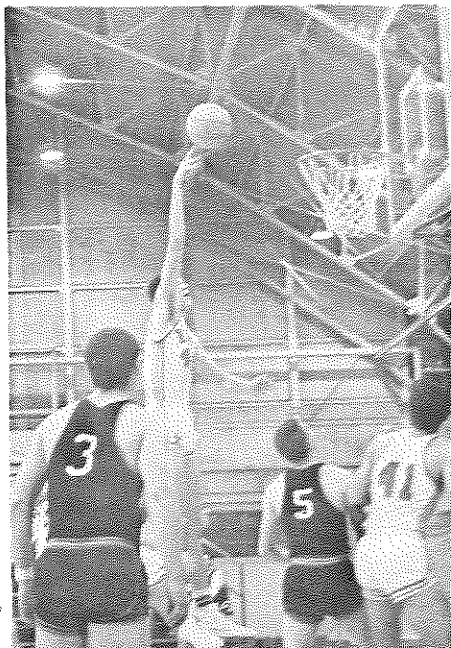
Despite his many duties, Til finds time to be one of the best liked members of the faculty. He's always ready to help someone get rid of their aches and pains, or get in shape, or get the equipment they want. Besides being a valuable asset to the athletic department, Til's just an all around good guy.

ENGINEERS WITHIN ONE OF CONFERENCE TITLE

Rose's "Hustlin' Engineers" rolled to their sixth straight conference triumph by a convincing 100-78 margin Tuesday night at Greenville. The win assured Rose of a tie for the conference crown, and a win over Principia or Illinois College next week will give the Engineers an undisputed title.

Everyone saw action for the Engineers as they gained a 51-33 halftime advantage and led comfortably throughout the remainder of the contest. Five men reached double figures for Rose led by Don Ings with 27 markers and followed by Ken Horton and Jerry Wones, 16; George Shaver, 14, and Dave Yeager had 10. Ralph Rogers also contributed 17 rebounds as the Engineers swept the boards for a 65-37 edge.

Greenville was particularly cool from the field, hitting only 28 of their 87 attempts for 32% while the Engineers sank 40 of 86 or 47% shooting.



Ralph Rodgers dumps in a short shot against Blackburn. The Engineers hit 50% of their shots in the game.

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