#### Rose-Hulman Institute of Technology

#### Rose-Hulman Scholar

Institute Inklings

Student Newspaper

Fall 11-8-1968

#### Volume 4, Issue 6 - November 8, 1968

Institute Inklings Staff
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# INSTITUTE INKLINGS

VOLUME 4, NUMBER 6

ROSE POLYTECHNIC INSTITUTE

TERRE HAUTE, INDIANA

**NOVEMBER 8, 1968** 



To The Rose Alumni-Welcome Back

#### HOMECOMING 1968

FRIDAY, NOVEMBER 8

(No Classes)

8:30 a.m. Registration for Alumni Institute (Front Hall Main Building)

9:00 a.m. Alumni Institute (Room B-119 Main Building) Program—"Computer and The Mind of Man"

12:00 noon Lunch for Alumni Institute (Hulman Union)

4:00 p.m. Class Agents Meeting (Hulman Union) Admissions Workshop (Hulman Union)

6:00 p.m. Class Reunion Banquets

8:00 p.m. Blue Key Pep Rally—Queen Coronation (Field House)

9:00 p.m. Bonfire (West of Field House)

9:30 p.m. IDC Special Entertainment— Lewistown Singers (Field House)

SATURDAY, NOVEMBER 9

(No Classes)

8:00-9:00 a.m. Student Brunch (SAGA)

8:30 a.m. Tuskers Breakfast (Hulman Union)

9:30 a.m. Alumni Meeting Registration (Auditorium)

REGISTRAR NAMED

William W. Sisson, associated with Commercial Solvents Corporation and the Visqueen Division of Ethyl Corporation in personnel and industrial relations positions for the last seven years, has been named registrar at Rose Polytechnic Institute, according to an announcement by Dr. John A.

(Continued on Page Two)

#### COMMENT '68

Personal Feelings Expressed By Don Spatz

Did you ever get the feeling that there are just too many people so fat and happy that their nerve endings no longer register when they sit on others?

Did you feel a little sick after seeing people beaten in the streets of Chicago while our delegates to the Democratic convention laughed and grinned; all the while wearing their red, white and blue hats with donkeys on top?

Were you ready to "kiss off" America after watching Mayor Daley's fangs sink deeper into the gut-level of American politics and destroy the last vestiges of democracy at the Democratic convention?

Did you ever say to yourself, "What the heck's going on around here," after you've just thrown out two pounds of what we call garbage and then looked at pictures of Biafra's starving families?

Could you ever smell burnt flesh even though your mind told you it was impossible to sense something through a television camera photographing ten thousand miles away?

Did you ever think that someday, when you're face to face with a Viet Cong, you will see that he has a life with meaning and morals; that he has a face with expression, a mind, and a heart, and that ha's as human are you are?

Have you ever gotten the sensation, after buying four new records to play on your

(Continued on Page Ten)

10:00 a.m. Annual Alumni Meeting (Auditorium)

11:30 a.m. Homecoming Luncheon (Hulman Union) \$1.50 per person, open to all students

2:00 p.m. Football—Rose vs. Earlham (Rose Field)

After Game Happy Hour—Wabash Valley Rose Tech to 5:50 Club (Old Student Center)—Alumni, Faculty and Seniors only

6:00 Homecoming Alumni Banquet (Hulman Union)

9:30 p.m. Blue Key Homecoming Dances (Hulman Union) Upstairs — Warren Henderson's Orchestra. Downstairs—The Kicks

#### INSTITUTE INKLINGS

EDITOR—Ken Burkhart.

ASSISTANT EDITOR-George Shaver.

NEWS STAFF—Jim Brown, ed.; Ed Arnold, Greg Dawe, Bob Boyd, Jay O'Sullivan,

Dale Zeleznik.

FEATURE STAFF—Larry Olsen, ed.; Bill Schindell, Cliff Lewis, Jim Wong, Steve Kinsell, Marty Goodwine, Craig

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#### EDITORIAL-

Homecoming is here again. The freshmen are putting the bonfire into shape, the fraternities are preparing for Friday's display competition, the football team is preparing for a tough Earlham team, and a good weekend is anticipated by all. But, we as undergraduates, should remember the alumni who have gone before us and who will be returning to "Dear Old Rose," their Alma Mater.

The grads will be returning to a campus which was once, to them, filled with familiar faces. But today, those familiar faces are gone, dispersed into our society. But the alumnus need not and should not find a familiar campus with a cold exterior.

The undergraduate in a weekend world of parties, dancing, and football can find time to welcome back those who have passed before us. The alumnus may have an interesting story about how he was once arrested for dry shaving an underclassman or one of the wild battles between Rosie and the Sycamores.

If you need a material reason to make this a friendly Homecoming for the alumni; the grad would be more willing to donate funds to the school for more and better facilities after an enjoyable weekend.

Now is the time to begin a new tradition, a meaningful tradition of a friendly Homecoming.

WELCOME ALUMNI!

-GWS

#### LETTER TO THE EDITOR

Dear Editor:

I am writing this letter in response to Mr. Puschauer's composition printed in the Nov. 1 issue of the Inklings. Rather than submit to the tedious

task of taking apart his letter bit by bit (trusting that every thinking person will have done this in his own mind) I have decided to express mainly my views and let the reader make the comparisons. Many seniors (and underclassmen) are bitter because of the recent upsurge of protesting in the virgin halls of Rose Poly. What has happened? How could such well-intentioned traditions as those of the Institute be the subject of so much public correspondence? By working the mind a little above plug-and-crank level, I think that these and many related questions can be answered.

"Soul-searching" is a term that has been used to describe the process of understanding one's life-its meaning, its destiny, its beautiful things, its terrible tragedies. A person who suddenly finds himself alone realizes, possibly for the first time, that his life may not be worth the ounce of grass it would take to find it. It is therefore imperative to his sanity that he find meaning in his life, learn the workings of his mind, attempt to express himself as freely as possible. This may amount to a change of image-a new sense of identification with something never before realized - inexpressible in

At college a young man may attempt such a self-analysis. In fact, he may be driven in that direction by successive failures (or achievements). I therefore suggest that free self-expression not be subordinated to any set of dogma. Rose will otherwise lose its free individuals.

I fail to see how anyone could suggest that soul-seeking be a farce. Perhaps there are certain individuals who have neither the time, nor the ability, nor the courage, to attempt to

understand themselves. I sincerely hope they do well on their way to the top. They may never be able to come back down.

With great sincerity, ALAN K. HERTRICK

REGISTRAR NAMED
(Continued from Page One)

Logan, president of the institute.

A graduate of Indiana State University in business administration in 1961, Sisson comes to Rose from Commercial Solvents Corporation. He had been a member of the industrial relations staff at the local plant for the last two years.

Following his graduation from ISU, he joined Visqueen as assistant to the personnel manager and was promoted to personnel manager of the La-Grange, Ga., plant in 1965.

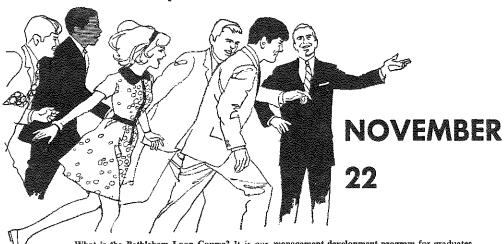
Sisson, who was graduated from Fayette High School in 1951 as an honor student and winner of the Danforth Award for high school leadership, was a member of Delta Sigma Pi, professional business administration honorary at ISU. He currently is working toward a master's degree in business administration at the university.

Sisson and his wife, the former Marjorie Anderson of Cory, reside at 900 S. 38th Street, Terre Haute. The couple has three children.

"You can always tell a new employee, but whether he'll pay attention is something else again." — Mather C. Wassis, Park County (Colo.) and Fairplay Flume.



## Bethlehem Steel Loop Course Interviews:



What is the Bethlehem Loop Course? It is our management development program for graduates with bachelors' or advanced degrees.

The course starts early in July with four weeks of orientation at our home offices in Bethlehem, Pa. Loopers attend lectures on every phase of the corporation's activities, and make almost daily visits to a steel plant.

Steel Plant Loopers, who comprise a majority of the average loop class of 150 to 200 graduates, proceed to various plants where they go through a brief orientation program before beginning their on-the-job training assignments. Within a short time after joining the course, most loopers are ready for assignments aimed toward higher levels of management.

How about other loopers? Our Sales Department loopers (30 or so) remain at the home office for about a year of training. Most are then assigned to district offices where they take over established accounts.

Fabricated Steel Construction loopers are trained in a drafting room, on a field erection project, in a fabricating shop, and in an engineering office. A looper's first work assignment is based on interests and aptitudes disclosed during this program.

Loopers in Accounting, Shipbuilding, Mining, Research, Traffic, Purchasing, Finance and Law, General Services, and Industrial and Public Relations go through training programs tailored to their types of work.

Where would YOU fit in? Check your degree or the one most similar to it.

MECHANICAL ENGINEERING—Engineering or mechanical maintenance departments of steel plants, fabricating works, mining operations, and shipyards. Fuel and combustion departments. Supervision of production operations. Marine engineering assignments in Shipbuilding Department. Also: Sales or Research.

MÉTALLÚRGICAL ENGINEERING — Metallurgical departments of steel plants and manufacturing operations. Engineering and service divisions. Technical and supervisory positions in steelmaking departments and rolling mills. Also: Research or Sales.

CHEMICAL ENGINEERS—Technical and supervisory positions in coke works, including production of byproduct chemicals. Fuel and combustion departments, including responsibility for operation and maintenance of air and water pollution control equipment. Engineering and metallurgical departments. Steelmaking operations. Also: Research or Sales.

INDUSTRIAL ENGINEERING—Positions in steel plants, fabricating works, shipyards, and mines. Engineering and maintenance departments. Supervision of steelmaking, rolling, manufacturing, and fabricating operations. Also: Sales.

CIVIL ENGINEERING: Fabricated Steel Construction assignments in engineering, field erection, or works management. Steel plant, mine, or shipyard assignments in engineering, construction, and maintenance. Supervision of production operations. Sales Department assignments as line salesman or sales engineer (technical service to architects and engineers).

ELECTRICAL ENGINEERING—Steel plant, fabricating works, mining operations, and shipyard electrical engineering, construction, and maintenance departments. Technical and supervisory positions in large production operations involving sophisticated electrical and electronic equipment. Also: Research or Sales.

MINING ENGINEERING — Our Mining Department operates coal and iron ore mining operations and limestone quarries, many of which are among the most modern and efficient in the industry. This 10,000-man activity offers unlimited opportunities to mining engineers. Also: Research.

NAVAL ARCHITECTS AND MARINE ENGINEERS: Graduates are urged to inquire about opportunities in our Shipbuilding Department, including the Central Technical Division, our design and engineering organization. Also: Traffic.

OTHER TECHNICAL DEGREES—Every year we recruit loopers with technical degrees other than those listed above. Seniors enrolled in such curricula are encouraged to sign up for an interview.

ACCOUNTANTS—Graduates in accounting or business administration (24 hours of accounting are preferred) are recruited for training for supervisory assignments in our 3,000-man Accounting Department.

OTHER NON-TECHNICAL DEGREES — Graduates with degrees in liberal arts, business, and the humanities are invited to discuss opportunities in the Sales Department. Some non-technical graduates may be chosen to fill openings in steel plant operations and other departments.

NOW'S THE TIME TO SIGN UP FOR AN INTERVIEW. And when you register at the placement office, be sure to pick up a copy of our booklet, "Careers with Bethlehem Steel and the Loop Course." It contains important information about the corporation and your opportunities through the Loop Course.

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#### HOMECOMING 1968

On Saturday Homecoming Festivities start with the Rose-Earlham football game. During the half-time the Homecoming Queen and her court will be presented to the crowd along with a performance by the Rose Rifles and the ROTC Band.

Following the ball game, the Wabash Valley Rose Tech "Happy Hour" will commence in the Old Student Center. This year, all senior Rose students are invited to the "Happy Hour" free of charge. At 5:50 P.M. the "Happy Hour" ends, it is followed by the Alumni Banquet at 6:00 P.M. in the Hulman Memorial Building. Once again all senior Rose Men are invited to the banquet free of charge. The Lewiston Singers will provide after dinner entertainment to the banquet crowd.

At 9:30 the two Homecoming Dances will start. In the snack bar, "The Kicks" will provide dance music. Upstairs, in the cafeteria, Warren Henderson's Orchestra will entertain.

During an intermission, the winner of the Fraternity Homecoming Display Contest will be announced.

At the end of the dances, Homecoming '68 will officially come to an end.

BOARD OF NATIONAL JUDGES NAMED IN THIRD ANNUAL BOOK-OF-THE-MONTH CREATIVE WRITING PROGRAM 14 Fellowships of \$3,000 Each

Will Be Awarded To
College Seniors

NEW YORK, N.Y., October 30, 1968 — Harry Scherman, Chairman of the Board of the Book-of-the-Month Club, today announced that Ralph Ellison, Louis Kronenberger, and William Styron have been named as the National Board of Judges of the Book-of-the-Month Club Third Annual Creative Writing Fellowship.

The Writing Fellowship Program administered by the College English Association calls for the awarding of 14 fellowships of \$3,000 each to seniors in American and Canadian colleges and universities.

Preliminary screening will be done by a board of 21 regional judges, three from each of seven geographic areas, which have approximately equal student population.

The Book-of-the-Month Club Writing Fellowships were cre-

(Continued on Page Eight)

#### ROSE HONOR CODE WORKING WELL

A statement of the principles of honesty sought between students and faculty was introduced this year, and has since been referred to as the Rose Honor Code. The two faculty members who have done the most to institute the Code are Dr. Charles Rogers, Chairman of the Electrical Engineering department, and Col. Robert Willets, Professor of Military Science.

Col. Willets believes the system of the Honor Code is student-oriented and would fail if the faculty were to assume responsibility for making it work successfully. He therefore hopes that the students adopt the Code themselves and help make it a tradition through example and discussion.

In looking for a workable system, similar codes from many other schools were reviewed. After studying student-run programs at Stanford, Rice, U of Virginia, Earlham, and others, a major criticism became apparent; these Codes were long, involved, and complicated, while it was felt that honor and dignity were fundamental.

The first major test was an

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apparent success, as the military department was quite satisfied with the freshman midterm take-home exam. Col. Willets felt the results showed the honesty of those taking the exam, and he feels that the Rose Honor Code is "working very well."

Dr. Rogers feels very concerned about the atmosphere prevalent at Rose, and supports the Rose Honor Code in hopes of relieving the air of distrust which he feels is now present. As Dr. Rogers said, "The Rose Honor Code can be taken two ways, and an atmosphere of suspicion would kill any honor system. What is needed," he continued, "is a more trustful atmosphere, not rules passed down from above." It was also his belief that students don't realize the response of the faculty to responsible suggestions and of the power that they, the students, have in school policy. Dr. Rogers knew of no instance where the faculty or administration rejected outright any recommendation of the student government. "The faculty haven't done enough to promote professionalism." Closely tied to this is self-discipline and self-responsibility, as Dr. Rogers continually stressed the good that could come of a system in which "students should take a responsible initiative."

#### DRAFT IMPACT ON GRAD SCHOOLS YET TO COME

WASHINGTON (CPS)—Although the nation's graduate schools did not face the 70 per cent reduction in fall enrollment some predicted last year because of the draft, the second semester crunch may hurt them badly.

Most universities were taken by surprise this fall, when the 25-50 per cent of their students expecting to be drafted returned to school after all. Some universities, which had accepted more graduate students than they could handle in order to make up for the draft's toll, have been faced with money and housing shortages—and too many students.

They had failed to calculate this fall's election and its ramifications on the draft in their estimates last spring.

In February, when the Selective Service System announced that graduate students would no longer be deferred "in the national interest," both universities and the government predicted that schools might lose up to 70 per cent of their first-year-students. They fore-

cast a great increase in female and middle-aged graduate students.

Selective Service officials predicted that students would make up as much as 90 per cent of the draft call-ups in many states. The Defense Department said 63 per cent of the 240,000 draftees predicted for 1969 would be students. Students made up 3.8 per cent this year.

But the crunch failed to materialize this fall. For one thing, draft calls beginning in July were drastically lower than those for previous months. And they will stay that way until January when the elections are well over.

How much calls will rise will depend on the manpower needs of the armed forces, the status of the Vietnam war, and the mood of the new President. But they are sure to rise at least a little, according to Mrs. Betty Vetter, an official of the Scientific Manpower Commission, a private research agency in Washington.

Her prediction is based on the fact that draft calls for the last few years have run in 18-month cycles; the high point of the latest cycle is due in January, 1969.

Whatever the increase, it is sure to hit students harder next semester; under present draft regulations, the oldest eligible males are first to go, and graduate students newly classified 1-A are perfect targets. Those who receive induction notices during the present school term are allowed to stay in school to finish the term, but must then report for induction.

But despite the fact that total graduate enrollment has changed very little—in numbers, the edict has not been without effect.

Graduate schools at several universities have reported drops in enrollment from one to 20 per cent. Professional schools seem harder hit than most. At Valparaiso University, 25 of 150 students enrolled in the Law School didn't register in September. Lehigh University reports a 13 per cent decrease in enrollment.

And at many schools, graduate departments found that women and older (over 26) men made up larger portions of their

(Continued on Page Eight)

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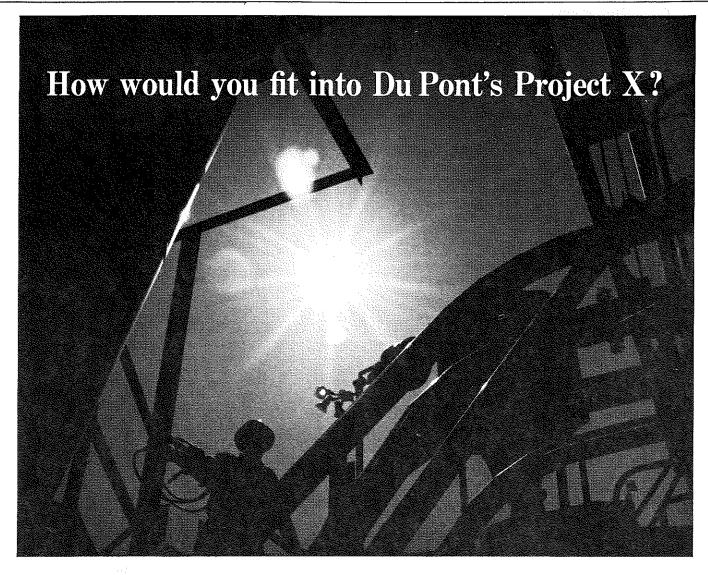
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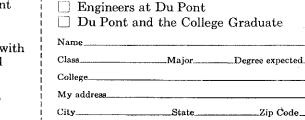
Involvement starts the day you join. There is no training period. You go into responsible work right away. Your professional development is stimulated by real problems and by opportunities to continue your academic studies under a tuition refund program.

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#### FRATERNITY NEWS

SIGMA NU

With Homecoming quickly approaching, Brother Greer has the Men of Sigma Nu hard at work on the display. Brother Evans has just about completed his hay loft, and Brother Greve on his bet by having his combine working one whole week ahead of time. We hope the Brothers will keep up the fine work and win the homecoming trophy for the third time in four years.

The Sigma Nu football had a good weekend. Friday afternoon they won the IM Trophy by defeating ATO 16-0. Then they turned around and beat ATO again Sunday 6-0 to win the IF troph. That gives the team an undefeated season. They have compiled 165 points while the opposition has only been able to score 28 points. Good job, men!!!

A lot of the Brothers were able to make it to the Alpha Pi Omega hayride last Saturday evening and everybody had a real good time even though it was a little crowded. Brother Greve thought the best part of the evening was the Sing-Along.

Congratulations are in order for Brother Heppner, who lavaliered Miss Bonnie Angell.

Brother Poehling, who were those trick-or-treaters, who arrived at your place a day late?

#### LAMBDA CHI ALPHA

The mood is Homecoming as the Brothers of Theta Kappa

have set their sights upon the annual interfraternity display award. In addition to Brother Houdeshell's experienced guidance the seniors are offering an added incentive which makes a winning display a virtual necessity. Blinking eyes, running horses, and a giant elephant all will contribute to an exhibit well worth the effort.

Rush parties for the newly established Crescent Club were held Sunday and we are proud to announce that our charter pledge class consists of 21 outstanding girls from both Saint Mary-of-the-Woods and Indiana State. Formal pledging for the girls will be held this Monday night, and following a threeweek pledgeship initiation will be held after Thanksgiving vacation. The members of this club will work closely with the Brothers in planning Rush, dances, mixers, and other social functions.

This week—a formal dinner will be held for the girls who helped the chapter during Freshman "Get Acquainted" parties—an all chapter work session is scheduled for Thursday night—and finally, the Brothers wish the Freshmen good luck in producing a "burning" bonfire this Friday night.

"Ambition is like nourishment for the body. A lot of it is necessary for sustenance. Too much is hard on the digestive system." — James R. Greenfield, Poseyville (Ind.)

#### TEA AND SYMPATHY

The Rose Drama Club will present "Tea and Sympathy" on Friday, November 15, and Saturday, November 16, at 8:00 p.m. in the Rose Auditorium.

The Drama Club's fall production deals with life in an all male school. The play revolves around Tom Lee (Mark Bruce) who is a very lonely and misunderstood youth. Because of his interest in the arts and music and his acting of women's parts in plays, Tom becomes wrongly suspected. The play depicts Tom's search for his own identity and masculinity.

"Tea and Sympathy" is under the direction of Mrs. Jane Hazeldine who directed "Darkness at Noon" and "My Three Angels" last year. The cast includes George Mells, Donald Fork, Richard Reidy, Greg Platt, Jack Hutson, Mark Thompson, and Daniel Blaser. The members of the cast from St. Mary's are Dena Meisel and

Mia Dragonetti. Henry Keahey is in charge of production, with Sam Isenberg as student director and Jim Hull as technical director. Tickets will be available at the door or contact Box 409 by campus mail.

#### STUDENT GOVERNMENT MOCK ELECTIONS

As was expected, Rose student affiliation lay primarily with the two major candidates. Nixon was first receiving approximately 46 per cent of the vote while Vice President Humphrey received 38 per cent of the votes cast. George Wallace was third in the running with 7 per cent while the remaining 9 per cent was divided among Pat Paulson, Paul Newman, and other "write-in" candidates. The results of this election emphasizes the fact that Rose students have not lost all their marbles yet. (In accordance with the views of this writer.)

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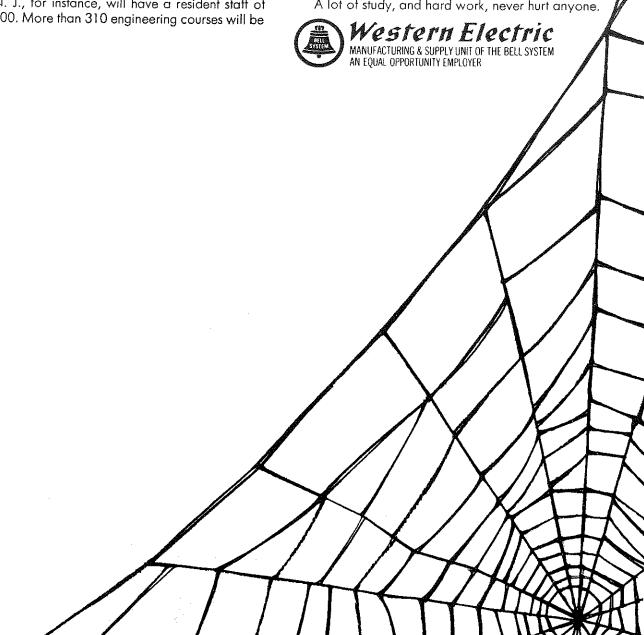
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offered, and about 2,400 engineers will study there in 1969. It's the most advanced facility of its kind.

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A lot of study, and hard work, never hurt anyone.



#### CLASSIFIED

Rose students, do you have something to sell or is there anything you wish to buy used? Why not advertise in the INKLINGS? Beginning with the next issue of INKLINGS you may place your ads at a cost of only 50c per ad per issue. Just send them to us through the campus mail before noon on the Wednesday of the week in which you wish to advertise.

#### BOARD OF NATIONAL JUDGES NAMED

(Continued from Page Three) ated with the thought, Mr. Scherman said, that there are many fellowships available for those who wish to pursue scientific and scholarly investigations but relatively few are available to the young creative writer. "We hope this program will help rectify this situation. We have designed it to

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give the gifted college senior an opportunity to develop his creative talents in the year following his graduation."

The Fellowship Program is open to any person who will be a senior in an accredited college or university in the United States or Canad on January 1, 1969. Closing date for entries is January 1, 1969.

Application blanks and full information about the Program may be obtained from any college English Department or by writing to Miss Margery Darrell, Managing Director, Book-of-the-Month Club Writing Program, c/o College English Association, 280 Park Avenue, New York, N.Y. 10017.

Winners will be notified May 1, 1969, and awards presented on June 15, 1969.

"Intelligence does not always accompany the degrees that some people acquire."—Joseph M. Shaw, Jr., Cherokee County (Ala.) Herald.

#### DRAFT IMPACT ON GRAD

(Continued from Page Four) enrollees than ever before. Some schools claimed that their students are of lower ability than they would have been before the draft.

Universities, which opposed the move to end graduate deferments, are reacting to their students' concern in many ways. Several heavily graduate universities, among them Massachusetts Institute of Technology, have announced that students whose education is interrupted by the draft-either for two years of service or for a jail sentence for resistancewill later be able to resume their degree work where they left off, and will stand a good chance of having their fellowships renewed.

Several schools are also investigating new degree programs like MIT's five-year engineering program—in which the student does not officially receive his bachelor's degree until he receives his master's in a fifth year (and so is classed as an undergraduate for five years).

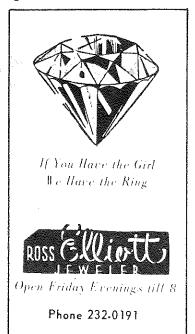
The institutions are understandably vexed. Many of them—like their students—concurred with the 1967 recommendations of the President's Commission on the Draft. The Commission's report suggested a two-pronged attack on the draft's present inequities and injustices; abolition of student deferments and reversal of the present oldest-first system so that 19-year-olds would be drafted first—preferably by lottery.

Fairness and equity required that both those steps be taken; if they had been, the draft, unfairness to the poor and uneducated would have been partially corrected, and at the same time education and technical skills would have been supported.

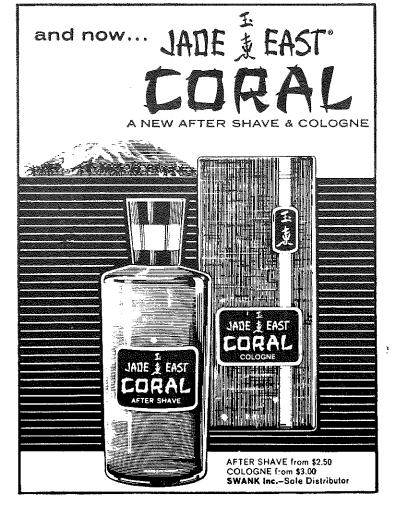
As it happened, policy-makers decided to implement only part of the recommendations, hoping that their move would be popular with those who consider that students are un-American and should be drafted, and would at the same time be lauded as needed reform.

Now the results of their attack on "pointy-headed intellectuals" will be felt, not only by the schools—which cannot help but be weakened—and the

Army, which is discovering that it doesn't like "uppity students" in its ranks anyway, but by those elements in the nation which depend on education (and reasonably contented) men and women for existence and growth.



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#### IT HAPPENED . . .

Ten years ago, in 1958. On November 8, Rose beat Principia 24-0. While Rose scored only one touchdown in the first half, it gained 235 yards rushing. This compares to Principia's total gain of 75 yards rushing and passing for the entire game. Rocky Herakovich scored all four touchdowns for Rose. The win was Rose's seventh in seven starts.

Fifty-one years ago, in 1917. On November 10, Rose won its third straight Indiana Collegiate Athletic League game of the season when it beat Franklin 12-6. The game was the most poorly played of the season for the Rose team. The win brought Rose's record to 3-2.

The next day Rose played Detroit University in a game that had only been scheduled since after the season started. Rose was defeated 84-0. Detroit was acclaimed the second best team in the nation. Michigan University was given top ranking.

#### IM SPORTS

The fall intramural football is now nearly ended, and the program proved to be quite successful under the direction of Coach Carr. Although there seemed to be an overabundance of injuries this fall, including several hospital cases, everybody concerned with the games enjoyed them. The respective league champions were Sigma Nu (major league), ABCD 2 (minor league) and Sigma Nu (interfraternity). The standings as of November 4 were:

ings as of Hoveliner a were.
MAJOR LEAGUE
Sigma Nu 8-0
Alpha Tau Omega 7-1
*Speed 4-2
*Off Campus 4-3
Lambda Chi Alpha 4-4
*Theta Xi 3-4
Triangle 3-5
MINOR LEAGUE
ABCD 2 8-0
Alpha Tau Omega 6-2
ABCD 1 5-3
Lambda Chi Alpha 5-3
Off Campus 4-4
Speed 3-5
Phi Gamma Delta 2-6
Theta Xi 2-6
INTERFRATERNITY
Sigma Nu 7-0
Alpha Tau Omega 6-1
Lambda Chi Alpha 2-5
Theta Xi 2-5
Triangle 1-6
*Indicates incompleted schedule

Perhaps your clear conscience is nothing more than a poor memory.

#### HARRIERS CLOSE SEASON

In the Little State Meet last Friday in Indianapolis, Rose placed a commendable eleventh out of seventeen teams competing. Taylor placed first in the meet. The individual times for the Rose runners are as follows: Larry Lynn, 30th place, 20:24; Greg Shutske, 33rd, 20:35; Bob Rollings, 56th, 21:08; Bob Schott, 73rd, 21:55; Larry Olson, 92nd, 22:34; Jack Arney, 97th, 2250; Greg Kinner, 103, 23:37.

Coach Carr was pleased with the team's showing. In order to point out the team's improvement over the season, it might be pointed out that Rose beat Hanover in the Little State, but lost to them earlier in the season.

The team finished with a 3-3 dual meet record. This might have been improved but for the fact that Bob Childs was lost to the team because of illness after October 5.

Larry Lynn, team co-captain along with Larry Olson, placed first for Rose seven times and tied once more to lead the team through the season. Lynn and Olson each ran four years. They are the only two seniors on the team, so the future looks bright.

#### THE AUTOMATIC RESPIROMETER

The automatic respirometer was developed in 1963 by Dr. Robert M. Arthur, head of the bio-engineering department at Rose, and was patented in 1967. It measures the oxygen demand rates (BOD) of tissue or cell cultures, providing a continuous graphical record of oxygen uptake in a closed system, eliminatingtedious data taking and curve plotting.

Within the respirometer, a sample of tissue or cell culture is placed in an aeration chamber closed to the atmosphere where air is recirculated through the sample to provide maximum contact between the sample and available oxygen. As the available oxygen is used by the sample, the partial pressure drop causes a change in the level of fluid in a manometer which is registered, through a float and transducer, on a recorder.

During the past two years three automatic respirometers have been in almost constant operation providing data about the general characteristics of uptake rates using different concentrations and kinds of waste water samples. It has been found that over a very short period of time the amount

of oxygen consumed is related to the initial 5-day BOD of the sample. In fact, on some samples good correlation has been obtained within one to two hours. In addition to predicting 5-day BOD the continuous record of oxygen demand provides information useful in treatability studies of various types of waste, gives an immediate indication of the biological activities within a sample, and indicates how a particular waste might affect a stream biologically.

At the present, Dr. Arthur is working on the respirometer with several students in the bioengineering department.

They are trying to shorten the time in which the 5-day BOD can be predicted, and are trying to determine the effect of varying the different parameters of the system, such as the temperature of the aeration chamber, the temperature of the manometer, and the dilution of the sample. COMMENT '68

(Continued from Page One) \$500 stereo, that someone within ten miles needs that much money for enough food to stay

Did you ever come to the realization that when George Wallace said that if this country was turned over to the police for two years everything would be straightened out, he was talking about a police state in America?

Did you ever discover that 50,000 people will pay up to ten dollars to watch a football game but won't even attend a local school board meeting?

Everyone gets some kind of feeling sometime, at least if they are still human, but the problem is turning heart into muscles and feeling into action.

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