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The Horn

VOLUME 7, NUMBER 8

ROSE-HULMAN INSTITUTE OF TECHNOLOGY

TERRE HAUTE, INDIANA

FRIDAY, NOVEMBER 12, 1971

REORGANIZATION

Rose-Hulman Institute of Technology will consolidate nine academic departments into five academic divisions in September in a reorganization designed to provide maximum administrative efficiency and improved quality of teaching at the 97-year-old college of engineering and science for men.

In making the announcement, Dr. John A. Logan, president, called the reorganization "a progressive move which will make us more competitive in a number of areas and allow us to better plan programs in the future."

Named to chair the five divisions reporting to Dr. James B. Matthews, Dean of the Faculty, are Dr. Sam C. Hite, division of biological engineering, chemistry and chemical engineering; Dr. A. T. Roper, division of civil engineering, mechanical and aerospace engineering, and Dr. Charles C. Rogers, division of physics and electrical engineering.

Dr. Herbert R. Bailey will continue as chairman of mathematics, while Calvin R. Dyer will chair the division of humanities and social sciences as the two largest departments in the school move from department to division status.

Under current academic administration the nine departments range in size from three to 12 faculty members, with nine chairmen (approximately 15 per cent of the faculty) assigned to positions that include many routine administrative duties.

The reorganization will provide for five divisions ranging in size from 11 to 14 faculty members. Thus, only five members of the faculty will be assigned administrative responsibilities and each will supervise approximately the same number of faculty members, based on current staffing levels.

Fewer administrative units will make it possible to achieve better balance in teaching loads of the faculty, which, in turn, should improve the overall quality of teaching.

Dr. Rogers, who earned the B.S., M.S. and Ph.D. in electrical engineering from Purdue University, joined the Rose-Hulman faculty in 1961.

Following his graduation from Purdue in 1953, he served as a U.S. Air Force radar officer and later was superintendent of the Crawfordsville Electric Light and Power Company and a research engineer for Collins Radio Corporation.

Having completed the doctorate in 1960, his thesis work was presented at the 1961 International Symposium on Electromagnetic Theory and Antennas in Copenhagen, Denmark.

He was promoted to professor and chairman of electrical engineering at Rose-Hulman in 1965, a position he held until 1970 when he relinquished the chairmanship to devote full time to teaching and the directorship of the final year of the federally-funded College Science Improvement program (COSIP).

Dr. Hite joined the Rose-Hulman faculty in 1966 following tenures at Purdue University and the University of Kentucky. An honors graduate in chemical engineering at Purdue in 1943, he was asked to stay on the chemical engineering faculty there upon graduation.

He earned the Ph.D. in chemical engineering in 1951 and continued at Purdue until 1957 when he was called upon to develop a department of chemical engineering at Kentucky.

Dr. Hite has been active in the National Science Foundation-funded College Science Improvement

Program (COSIP) at Rose-Hulman, having directed COSIP activities in 1969.

A 1945 graduate of Rose-Hulman, Dr. Bailey has the distinction of having earned B.S. degrees in both electrical and chemical engineering. He returned to his Alma Mater as professor and chairman of mathematics in 1966 following successful tenures as both a college teacher and research mathematician.

Following his graduation from Rose, he earned an M.S. in electrical engineering at the University of Illinois in 1947, and went on to teach mathematics at General Motors Institute (1947-49) and engage in research mathematics for the U.S. Naval Ordinance in Indianapolis (1949-52).

He then earned both the M.S. and Ph.D. in mathematics at Purdue in a two-year period from 1952-54 and continued as a research mathematician at the Marathon Oil Company Research Center, Littleton, Colorado, and the Martin Company, Littleton, prior to joining the mathematics faculty at Colorado State University in 1962.

Promoted to full professor at Colorado State, he was a consultant to the University of Colorado Medical Center and Marathon Oil during his tenure at the university.

Dr. Roper, who earned a B.S. in aeronautical engineering at Purdue University in 1958, worked as an aerodynamicist for the Boeing Company from the time of his graduation until 1963 when he moved to California State Polytechnic Institute (Pomona) as an assistant professor.

He continued his education at Colorado State University, earning the M.S. and Ph.D. degrees in the area of fluid mechanics. He joined the faculty at Rose-Hulman following completion of the Ph.D. in 1967 and was assigned to the mathematics department.

In 1969 he was transferred to

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Freshman Class Cut Approved

The Board of Managers of Rose-Hulman Institute of Technology approved the cut in the size of the freshman class from 350 to 335 men commencing in 1972 as the governing body of the school met in its annual meeting Friday.

Benjamin G. Cox, Terre Haute attorney and chairman of the Board, made the announcement. He said the cutback was made to enable the men's college of engineering and science to maintain an average enrollment of 1,050 men.

The board took the action after enrollment topped 1,100 this fall following admission of the third consecutive freshman class of slightly more than 350 men.

Rose-Hulman officials cited a better retention rate and a general academic upgrading of the student body as the reasons for the control of input into the privately supported men's college.

The marked increase in the number of men succeeding academically at Rose-Hulman in recent years is the most significant factor in the necessary trimming of the input of students to the school.

Fifteen years ago only one of three men admitted to Institute graduated. Now with better methods of measuring academic achievement and improved counseling in the high schools and by the Institute's admissions department,

(Continued on Page Three)



LXA Calendar Girl of the Year—Miss Betty Fresh

—Photo by M. Hoecker

LXA CALENDAR GIRL DANCE

On Friday, November 5, the annual Calendar Girl Dance, sponsored by Lambda Chi Alpha, was held. It was highlighted by the crowning of the "Calendar Girl of the Year."

The winner was Miss Betty Fresh, "Miss May," of Indianapolis. She is a Senior at Indiana State University, where she is majoring in Speech and Hearing. Not only was she given the title of "Calendar Girl of the Year," she was given a one-hundred dollar gift certificate and a dozen long-stemmed white roses.

Miss Fresh was chosen from nine candidates, all whose pictures appear in the calendar. The contestants were judged by a group of panelists; Miss Shelly Suther-

land, Mr. Robert McNamera of St. Mary of the Woods; Mrs. Jane Duckworth of Rose-Hulman, Professor Peter Priest of Rose-Hulman, and Mr. Richard Christman.

The judging was based on the following categories: appearance, poise, personality, and intelligence.

The music was provided by a local group, The Soul Messengers. Their style ranged from the funky sound of "Sly" to the low-down Latin American rhythm of Santana. This music was accompanied by a scintillating light-show put on by Mr. Leo Weis.

All in all, it was a great dance, and everyone there had a good time. Those of you who missed it really lost out. It was a job well done!



Color slides revealing the condition of various materials after testing were used in the presentation. (Seated: Lt. J. G. Wooldridge. Left to right: Dave Wanninger, Sec.-Treas., Mark Bruce, Charles Rives, President.)

INTRODUCING: The Student Activities Board

The Student Activities Board, under the direction of Mark Murnan, is vital in the arranging and coordinating of many campus activities. The concept of a S.A.B. was first introduced by John Hodson, a couple of years ago, as an aid in the planning of Convos and big-name concerts. The Board consists of members and a chairman appointed by the Student Body President and has recently been reorganized into a more efficient work force. Presently, the Board is broken into four committees:

1. Convocations (led by Dave Rardon).
2. Coffee House (Dan Kato).
3. General Entertainment, which deals with dances, big-name entertainment, etc. (Mike Kinney).
4. Publicity (Wilbur Weir).

Some of the events brought about by the efforts of the S.A.B. thus far this quarter are:

- The Homecoming Dance.
- Honors Convo.
- "The Dairy of Adam and Eve."
- Dr. Robert Forney's informative talk on drugs and marijuana.
- The "Groove Tube."
- President Logan's "State of the Institute" address.
- Coffee House.
- Mick E. Clark.
- Roger and Wendy.
- Two local performers.

As you can see, the Student Activities Board is a dynamic group of workers and they hope in the future to be able to have mutual faculty-student cooperation in planning all campus events.

If you have any good ideas or valid criticisms to submit to the Board, please feel free to come to a meeting. They are held each Thursday at 4:00 p.m. in the Coffee House.

Rose A.S.C.E. Holds Banquet

by Charles Rives

Recently, the Rose-Hulman student chapter of the American Society of Civil Engineers held its first formal banquet of the year. Along with Dr. Logan and the Civil Engineering Department faculty, the list of distinguished guests included a number of outstanding Professional Engineers from Terre Haute and the Southwest Conference of the A.S.C.E.

The evening was highlighted with a presentation on Underwater Construction made by Lt. J. F. Wooldridge, who is presently a member of the Civil Engineering Corps of the USNR. Lt. Wooldridge is now stationed at Great Lakes Naval Base where he is Assistant Resident Officer in charge of Contract Administration.

The presentation began with a discussion of various materials which were most suited for underwater construction. It was pointed out that at depths of up to 4,000 feet, few materials are able to resist failure. This failure seems to be, to some extent, due to the presence of marine life. Tests have revealed that these tiny organisms have a profound effect on the design period for any underwater structure.

The Navy is continuing research in the field of underwater construction materials for the purpose of developing a totally submerged safe-guard system. This defense system will be used mainly to detect and locate nuclear-armed submarines. The "probe"

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"EVERY TRUE STRENGTH IS GAINED IN STRUGGLE" EVENS-LDS

BY READER REQUEST - "HARD CORE"

The Thorn

Editor Bill Strahle
 Associate Editors Chris Wodtke, Steve Sedgwick
 Sports Editor Norm Klein
 Business Staff John Weinhardt
 Advertising Staff John Metz
 News Staff Mike Kinney
 Reporters Beldon Beasley, Doug Hileman, Steve Sedgwick, Steve Youmans, Clancy Duttlinger, Ron Selby
 Cartoonist Bob Marks
 Circulation Bob Schacht and Mike Mueller
 Columnists Bill Strahle, Dave Wanninger, Stan Baker, and James Powell
 Photography Chris Wodtke and Steve Moseson

Letter To The Editor

Dear Editor:
 Rose-Hulman has quite possibly the worst football field in the college ranks in Indiana. Spots of grass are the exception and not the rule. Clumps of grass and numerous holes make running on the turf quite treacherous. The antique portable scoreboard should rather be in a museum than in use.

It is easy to understand why few students show for the games. The seating facilities are quite small and the school chimney belches smoke which, when the wind is right, lays a nice, even covering of soot upon the spectators.

On a good day the field still makes for a sloppy game. When the rain comes, as happened at Rose's first home game, it is quite hard to distinguish whether they're playing football or water polo. The ground soaks up very little water, mainly because weeds do not absorb as quickly as grass.

There is little wonder that the majority of the players do not enjoy the sport at Rose and consequently do not perform their best. They are physically a much better team than their losing record would indicate. Players do not expect the best conditions when playing an away game, but when the home field is always worse they lose their desire.

The problem is not really that hard to solve. One solution would be for the school to quit playing football, but TONY wouldn't like that. However, only two and one half miles from the Rose campus stands a fine football stadium, the first field in the state to use astroturf (plastic playing surface). Indiana State University Memorial Stadium is actually closer to the Rose campus than to State's campus.

If Rose were to rent the stadium for its home games students could be bussed to the game just as Indiana State students are. City spectators would invariably turn out and a relatively low admission charge would aid in paying the rental fee. Such things as having alternating home games could be worked out between the athletic directors.

Enthusiasm for football would grow at Rose and a thus spirited team could achieve a better record. Even the Rose ROTC band could perform at half-time, something it is unable to do on Rose's turf.

Phil Brown Field could then be lowered to the status of a practice field. Maybe, if it were fixed up, it could still be used for freshman games.

Don Shook

Thorn letter to the editor (as received by D. Vail, Box 618-1). Hello:

I'm really sorry for the mess I have made. I guess at the time it seemed like a novel idea, creating a universe and sort of playing around with it. But now I'm getting bored with it all.

Really, though, you people also share part of the blame. You seem to not realize it was YOU who was created for MY benefit and enjoyment; never ME for YOURS. My sole purpose is not to provide every person on your planet with an electric tooth brush or a new Ford. I really don't care that much now.

I tried hard to create for you a widely varied environment, one complex enough to keep you interested in continuing life. But somehow, my neat tricks and flashy fireworks seem to impress only a few of you—you only want to know if what I have given you will maybe make you money. That's too bad, because environment is where I really excel—living beings like yourselves seem

never to be really very satisfactory.

Well, maybe I'll try again and learn from my mistakes. Sorry it didn't work out.

—the Deity

Dear Editors:

I would like to begin by distinguishing myself as a member of Sigma Nu fraternity, so that the question need not arise in anyone's mind during the course of this letter.

Once again a columnist writing for *The Thorn* has chosen to devote his time and energy to the degradation of Sigma Nu. I am referring to Bill Strahle's cut in *Tommyknockers* of the Nov. 5 edition in which he clearly indicates his belief that in some way the members of Sigma Nu had an illegal hand in the winning of the float contest.

In the past, the members of my fraternity have chosen to ignore such immature suggestions in *The Thorn*. However, I feel that perhaps this sort of action has now reached a point where our side should be considered.

Mr. Strahle should be instructed, first of all, as to what goes into the winning of a float contest. The beauty of a float is, of course, important, and AIO's float was indeed beautiful. However, equally as important are such qualities as the correlation between the float's theme and its design and mechanisms. Simplicity in understanding the theme's importance to the general Homecoming theme is also important. These are all qualities in which our float excelled and are, indeed, what finally influenced the judges in our favor. The voting was very close, but I don't think I am kidding myself in thinking that the best float won.

These tasteless cuts which have frequented *The Thorn* as of late seem to all be of the same pattern; that is, articles which have no factual background but are more along the lines of "backyard gossip." This type of article is not written by the kind of mature, thinking individual to which a column of this magnitude should be entrusted. Being a columnist for *The Thorn* myself, I feel hurt to think that such petty, senseless articles would be allowed in a paper which represents a school of such high integrity. I truly hope that this sort of thing is immediately removed from the pages of *The Thorn* in the future.

Sincerely,
 Scott Koehne

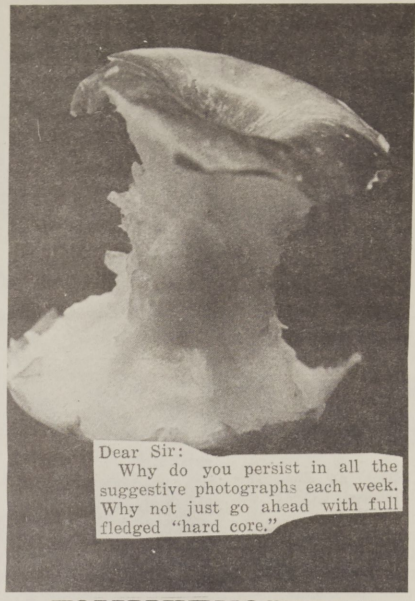
Editorial Comment: In looking over the article in question, it is clear that the intent was only to note the similarity between the floats and nothing more.

In addition, if you are writing a column for this paper, you are doing it incognito.

Contribution

by Stan Baker

In light of the recent establishment of INPIRG (Indiana Public Interest Research Group) at Rose, I thought it might be appropriate to spotlight Ralph Nader, who is the source of much of the commotion. Through his untiring devotion to the worthy causes of consumer protection and protection of the ecology, and the few minor successes he has been able to perpetrate against industrial giants and archaic socio-economic institutions, Nader has gained fame in the role of knight in shining armor. And of course it pleases the public to have such a noble man fighting for them, but only when they realize it is their own foolish complacency that he is fighting will anything really be accomplished. I believe this is the spirit in which INPIRG has been started at Rose. Ralph Nader is a crusader (crucifer?) of many interests and it is



Dear Sir:
 Why do you persist in all the suggestive photographs each week. Why not just go ahead with full fledged "hard core."

TOMMYKNOCKERS

by Bill Strahle

Opening Thought for a Friend: The way to love anything is to realize that it might be lost.

Question: Who was elected IDC president? There was an election, wasn't there?

Dear Tommyknocker: Congratulations to the NUMBER 1 fraternity and their NUMBER 1 football team!!

Love,

The Crescents.

Item: Hi, Mrs. Petty! Thank you for the apple butter.

To Whom it May Concern Dept.: I can't print what I haven't got. If your voice is not being heard, then you don't want it to be.

Confidential to Wondering: No, there were no intentional implications or accusations in last week's column. Perhaps you should read the article again. If you'll pardon an observation, I am under the impression that you may be slightly paranoid.

No, I am not a member of a social fraternity on Campus—secretly or otherwise. I don't harbor a grudge against your fraternity

or any others.

No, I won't make a public apology for something you wrongly inferred from my column. I'll be more careful in the future, though.

Thank you for the feedback.

Still Waiting: As of Monday, a number of students are still waiting for the Faculty Evaluation Poll to take place. We were told that it would be given the week of November, 1. Well . . .

Item: Man is the only animal that blushes—or need to. Right, Marvin?

Item: Have a good day, Peggy.

From the Top: What happens to the money that the Booster Club collects from the Concession at the athletic games? (Not my question fellas.)

Congratulations are due: To Miss Betty Fresh for being chosen LXA Calendar Girl of the Year.

Item: Woman accepts man for the sake of marriage, and man accepts marriage for the sake of woman.

Parting Thought: Only an average person is always at his best. S'long until next time, Chi Chi.

entertainment

by Dave Wanninger

FRIDAY, NOVEMBER 12—
 TMUB Film, "My Fair Lady,"
 Tilson Music Hall, 8:00 p.m.

Community Theatre, "A Doll's House," a drama by Henrik Ibsen, directed by Glenn Harbaugh. Also Saturday evening and a Sunday Matinee at 2:30 p.m.

SATURDAY, NOVEMBER 13—
 Football, Rose vs. Wilmington,
 Phil Brown Field, 2:00 p.m.

Football, ISU vs. Drake, Memorial Stadium, 2:00 p.m.

SUNDAY, NOVEMBER 14—
 TMUB Film, "The Baby Maker,"
 Tilson Music Hall, 8:00 p.m.

MONDAY, NOVEMBER 15—
 ISU Convocation Series—"Butterflies Are Free," a comedy by Leonard Gershe. Longest running play on Broadway. Tilson Music Hall, 8:15 p.m.

THURSDAY, NOVEMBER 18—
 ISU Artist-Lecture Series—Alvin Toffler, "Future Shock."

MOVIE INFORMATION

(for weekend—subject to change)
 CINEMA I, 232-3254, "The Vanishing Prairie" (G) and "The Living Desert" (G).

CINEMA II, 232-3254, "Friends" (R).

GRAND, 232-1260, "Skin Game" (GP).

INDIANA, 232-3909, "The Organization" (GP).

MEADOWS, 232-3909, "The Touch" (R).

PLAZA, 466-9710, "Together" (X) TELEVISION SPORTS

SATURDAY, NOVEMBER 13—
 1:00 p.m., This week in Pro Football (Ch. 10).

College Football, Time TBA, Wild Card Game (Ch. 2).

SUNDAY, NOVEMBER 14—
 12:00 N, ISU Football Highlights (Ch. 10).

1:00 p.m., Baltimore Colts at New York Jets (Ch. 2).

4:00 p.m., Cincinnati Bengals at Denver Broncos (Ch. 2).

in the field of public education about today's youth that I wish to award him an accolade.

Contained in a summer issue of "Life" was an unusually bright spot written by Nader entitled "We need a new kind of patriotism." Believe it or not, this article was inspired by a recent (then) meeting of the national PTA. Well, a woman attending the meeting, after listening to long discussions on environmental and civil rights courses, asked, "But what can we do to make young people today patriotic?" In asking the question as she did, this woman illuminated the problem of patriotism and the division between the generations which it has caused. Unfortunately many volatile discussions have centered around the mistaken idea that those in authority automatically possess patriotism. To some, it never occurs that patriotism is not a pattern to be strictly enforced but a word describing the quality of an individual's behavior. The automatic defensive reflex that we all observe in those who have been steadfast

with their notion in times of danger should, in Nader's opinion, evolve to a more flexible thinking process. "My country right or wrong," should give way to "Our country . . . when right to be kept right. When wrong, to be put right." (Thanks to Carl Shurz).

Nader outlines a four-point program (shades of Nixon forensics) which if realized would give patriotism a more true and workable meaning. "First, in order that a free and just consensus be formed, patriotism must once again be rooted in the individual's own conscience and beliefs." Once again Nader appeals rather idealistically to the lost, forgotten, almost hopeless "individual." He scores points, however, in noting that America is no longer responsive to the individual citizen, if indeed it ever has been. A discussion between Nader and Karl Jaspers who has extensively developed the concept of the mass-man might have changed Nader's approach. He bases his second point on the citizenry as an aggre-

STRANGE BREW

by Ahmed and Frank

Cat Stevens' new album is *Teaser and the Firecat* on A&M (SP 4313). The album has the usual pleasant sound with a mixture of love ballads and social interest songs. On the album are two of his songs that have received some airplay, namely "Peace Train" and "Moonshadow." Some other well done cuts are "Ruby-Love," "How Can I Tell You," and "Morning Has Broken." All in all the album doesn't quite grab you like *Tea for the Tillerman*, but then it is hard to top a masterpiece, isn't it?

Our good friend Ric told us about a relatively new rock opera (Tommy, can you hear me?) entitled *Revival of St. Joan*. It's a double album and is a fictitious version of Joan of Arc, no less! Oh, incidentally, it is done by a four man group called Smoke Rise. Ric says they do some good instrumentals and OK vocals to go with them. It comes on real heavy. We don't know Ric (or maybe we do), but he's our good friend because he's the only guy that's written us a letter this year.

Middle of the Road Dept.:

We got a chance to listen to Cher's new album *Cher* (Kapp KS 3649), and found that it's great for easy listening. It's generally easy going and is lush and crammed full of violins, etc. Cher does "Fire and Rain" a hell of a lot better than you-know-who (despite the fact that YKW wrote the song), and "He Ain't Heavy, He's My Brother" will pass. All the other songs are unknown to us, with the exception of "Gypsies, Tramps and Thieves," of course. Now, hopefully we satisfied all you folks who don't like hippie music. If you rednecks aren't satisfied, that's tough.

The new Who album, *Meaty Beaty Big and Bouncy* (Decca DL 79184), has been on the racks more than a week now. If you like the Who, but don't have all their older albums, pick up this one—it'll keep you happy for awhile. . . . The new Chicago 4 record, 3 poster, 1 book monstrosity has also been on the racks for awhile—let's hope it stays there.

We thank Mr. Wodtke for mentioning us in his Zappa article. Now if he could only get his information straight. It happens that *It's A Beautiful Day* is the first album and that *Marrying Maiden* is the groups' second album. Well, we can't all be perfect! At least now the guys who only read the sports page know who we are! Speaking of Mr. Zappa, he and his Mothers are due to appear on the Dick Cavett Show tonight.

Indianapolis has Kris Kristofferson coming to Clowes Hall on Friday, November 26, and Isaac Hayes will be in the Coliseum on Tuesday, November 23. War will also appear with Sir Isaac. Maybe you should go see Ike and Tina tomorrow night. At least go see Tina—maybe she'll be wearing one of those undresses like she did a few weeks ago.

Sneakin' It To Ya Dept.:
 Emmitt Rhodes' new single really stinks.

Assorted Trash Department:

1. Why does Nightrider keep playing "In-a-gadda-da-vida"?

2. Say, if IuPIRG is such a wonderful organization, why do they have to get their money by tacking the price onto our tuition? Could they possibly be afraid that not enough people have faith enough to volunteer a few bucks?

Chances are many of you have already heard *Live Yardbirds* (Epic E 30615), but you really should listen again. It's good stuff that's infinitely better than the trash Jimmy Page has been doing recently . . . and speaking of old and new Yardbirds, if any of you loyal readers has latched onto the new Jeff Beck Group album, drop us a line and tell us how you like it. The Box number is the same as it is every week, 612.

gate. "Second, patriotism begins at home. Love of country in fact is inseparable from citizen action to make the country more lovable." To be more lovable, Amerika needs to eliminate such blemishes as poverty, discrimination, corruption and a thousand other vices. Nader gives the citizenry a clean mandate. The nation will be only as great as its people make it. The flag has no mystical power, and those who urge us to pay homage to it would do better to recognize

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REORGANIZATION

(Continued from Page One) the mechanical engineering department and the responsibility of completing the development of the aerospace engineering program and related laboratories. A participant in the NASA-American Society for Engineering Education summer fellowship program at Langley Field, Virginia, two summers, he was named the Outstanding Young Teacher of the Year by the Terre Haute Jaycees in 1970 and was promoted to the chairman of mechanical and aerospace engineering the following September. Dr. Dyer joined the Rose-Hulman faculty in September as associate professor and chairman of humanities and social sciences. Formerly assistant dean of the University Division at Indiana

University, he earned an A.B. in international economics at Dartmouth College in 1958 and an M.A. in English Literature from Indiana University in 1966. He currently is completing a dissertation for a Ph. D. in English. Dr. Dyer brings a wealth of experience in teaching and university administration to the new position, having taught English at Indiana, DePauw and Butler universities for six years prior to being named assistant dean at IU. In addition to teaching an upper-level writing course and counselling, Professor Dyer's duties as assistant dean of the University Division included responsibilities for counseling and faculty advising, summer registration, liaison for residence halls and activities and University Division summer session programs.



Bon Appetit, Herr Physicists

-Photo by Stephen Moseason

THE PHYSICISTS

by James R. Powell

"The Physicists" is a story of three madmen in a twilight of reality. There is Albert Einstein, his violin and the Theory of Relativity. There is Sir Isaac Newton and the Theory of Gravitation. There is Johann Wilhelm Mobius and the Principle of Universal Discovery. And there is a world outside that they must certainly keep their discoveries from. For only in the madhouse can their discoveries be kept secret. The room and the steel bars are

only an extension of the mind and the fears of a creature whose knowledge is lethal. But an insane doctor steals and exploits the secrets they have unraveled, forcing the physicists to retreat back into the solace of their introversion and permanently don the masks of madness and the facade of unreality.

The German playwright Friedrich Durrenmatt has written a fine exorcism of scientific thought that suffers little in the translation into English. The major impact of the story is not merely the tale of three madmen in the guise of schizophrenia but the lack of differentiation of reality and unreality and the surrealism painted by the conflicting moods of the tangible and intangible. "The Physicists" argues at great length on the morals of the scientists. Whether or not they are merely anomalies of uselessness of figments of purpose is never found out by the physicists as their procrastination and ignorance ends in tragedy. Here is a melodrama of human failure. A stinging satire of greed and folly. In the shadow of riches and praises cover the men whose hands hold the powerful mysteries of nature. Men who so despise their own gutless doings that they look to forces of past wisdom to condone their insanities. "The Physicists" emerges as a fine dramatic rendering of the inexorable fate of three confused madmen. But the true message of the tale is uncertain. For what is dreamed and what is real is the unreachable answer.

Editor's note: "The Physicists" will be presented tonight and tomorrow night in the Auditorium by the Rose Drama Club and St. Mary's.

FRESHMAN CLASS CUT APPROVED

(Continued from Page One) the figure has risen to a two-out-of-three retention rate. While a better prepared product has helped college retention in general, such programs as Rose-Hulman's Freshman Institute, a transitional program for pre-freshman and the college's unique four-week Operation Catapult for

QUESTIONING RITUAL IN EDUCATIONAL STRUCTURE

If we take a moment to see what the composition of today's education is, we will have a better idea of the impossibility of converting or modifying our existing system. As it now exists, it is a mirror of a dying value system.

Actually the very basis for status positions within the school organization is so fundamentally related to the old value system that only major change can break it. Teachers and administrators acquire their roles by enacting the ritual and believing in the ritual of "heaven (or reward) after extended privation." In their cases, and probably even more so than in society in general, learning becomes only incidental to the acquisition of credits, courses, certificates and degrees—with "good" grades. So many times teachers do not refer to their knowledge of a particular subject; they say that they have had courses in that subject or they have taken a degree in the subject with confidence that these ritual symbols are the same as "knowing."

The educational system as it exists today, far from being "people" oriented is "role" oriented. Focus is toward role relationships rather than human relationships. Teachers act as they think teachers are expected to act; administrators act as they think administrators are expected to act and students act as they think students are expected to act—if the system functions well. The measure of a student's success has little to do

high school boys have been proven to be of great value to both the student and the college.

In other matters, the Board of Managers heard reports on academic affairs, financial aid, placement; in short, the state of college.

The Board also re-elected officers. Benjamin G. Cox was re-elected president, while Carl E. Ehrenhardt, Terre Haute; James C. Skinner, Indianapolis, and Marshall T. Hubbard, Terre Haute, were renamed to vice-chairman, secretary and treasurers' chairs, respectively.

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PRIZES

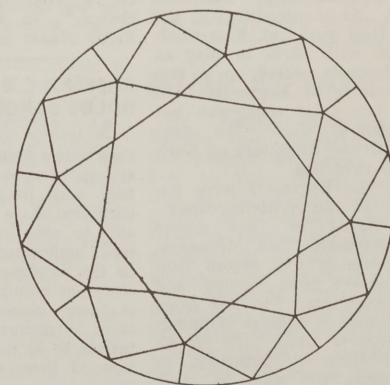
- 1st PRIZE 1/4 CARAT DIAMOND
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CATCHES

Only one entry per person, and identification will be necessary in order to receive an award. No magnification will be allowed, and diamonds must remain in their mountings. Also, you must be 18 years old in order to enter.

CONTEST BEGINS NOVEMBER 1st AND WILL CONTINUE THROUGH THE 18th, WITH THE DRAWING TO BE HELD ON FRIDAY, NOVEMBER 19th, AT 3:00 P.M. WINNERS WILL BE NOTIFIED.

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FLYS CONQUER SNUS

On a bitter cold November Sunday, LXA took the Inter-fraternity championship away from the defending champion Sigma Nu squad in one of the most exciting games in years. For four quarters the two teams battled savagely with defense holding the upper hand. Neither team had anything close to a sustained drive as on almost every series the defense came up with a big interception, and the score at the end of regulation time was deadlocked at 0-0. A sudden death playoff followed with each team given four downs to move the ball, the winners being the team gaining the most yardage. Sigma Nu had first crack and quarterback Rob Skitt completed 2 of 4 passes for 17 yards. Lambda Chi then took over and the first pass was incomplete. Then quarterback Larry Geier rolled out and hit Ernie Jones on a perfectly executed 10-yard down-and-out. On the next play, the pass was again incomplete, setting up the crucial 4th down and 7 to go for the win. The long pass by Geier was knocked down, but the SN line had jumped off-sides and the Flys now had a 4th and 2. Geier quickly rolled out and hit Hutchens for the needed 2 yards and a LXA victory.

Engineers Lose 14-6

The Engineers had to fight two battles last Saturday in Richmond, Indiana, and came out on the short end on both accounts. First, Rose had to battle it out with the Earlham Quakers and on top of that Mother Nature caused a great deal of commotion. After the snowflakes had cleared, the Quakers had beaten Rose 14-6 to give them a 5-3 mark for the year. The Engineers are now 3-5 with one game remaining.

After numerous opportunities to score in the first half, Rose fell prey to Earlham's passing combination of Ralph Martz to Dave Englert with just two seconds remaining on the clock. The entire first half Rose moved the ball well between the 20 yard stripes but they could not cross the goal line. Therefore, the first half ended with Earlham leading 7-0. At the beginning of the third quarter, Martz and Englert teamed up again for a 29 yard scoring bomb to make it 14-0. From their one, Rose desperately tried moving the ball through the air on this cold, wet day. As the condition of the playing field worsened, Rose finally scored with 10:02 to play as Jerry Bertram scored on a two yard burst. The Engineers tried for the two point conversion but their attempt failed. The game ended with the Engineers on Earlham's 25 yard line.

Again the Engineers were impressive in the statistic department, leading in first downs against Earlham 17-12. However, costly mistakes and errors kept the Engineers from scoring and thus another loss. The last game of the season is against Wilmington College of Ohio. It's "Dad's Day" at Rose on Saturday, so let's support the team on their last effort of the season.

CONTRIBUTION

(Continued from Page Two)

it as a symbol of the nation "for which it stands." Time can be better spent improving the U.S. and building a sense of liberty and justice in its institutions and the minds of its people, than in attempting to uphold unworthy causes or in defending the honor of leaders who don't deserve it. Ralph Nader hits home with the ecology theme in his third point. "... if it is unpatriotic to tear down the flag (which is a symbol of the country), why isn't it more unpatriotic to desecrate the country itself—to pollute, despoil and ravage the air, land and water?" Here he seems to employ the strategy that the best defense is a good offense in throwing the verbal disparagement of the young by the older generation back in the form of proof that adults haven't been responsible in their patriotic duties concerning care of the environment. Again Nader is attempting to broaden the base of patriotism to include everything that can affect others. That is, patriotism is a responsible pattern of behavior which is consistent with a desire to improve the quality of life—all life. And of course this concept takes us out of the traditional national boundaries which are quite explicit in older concepts of

patritism. "Fourth, there is no reason why patriotism has to be so heavily associated in the minds of the young as well as adults, with military exploits, jets, and missiles." (attention: ROTC prune eaters.)

I must admit I've become bored with Nader's "muckraking" activities but he really hit the spot in analyzing patriotism. He seems to be hinting at a higher-minded kind of patriotism, a type of internationalism which could (if given a chance) "give peace a chance." In this vein I'll join Ralph Nader in being an idealist.

ROSE A.S.C.E. HOLDS BANQUET
(Continued from Page One)

then arises from the fact that this system of submerged sound detectors must be located at a depth such that these submarines are not able to pass underneath and proceed undetected. Therefore, due to the extreme depths which the situation requires, major emphasis is being placed on the development of economically feasible materials to be used in the construction of these underwater defense bases.

QUESTIONING RITUAL IN EDUCATIONAL STRUCTURE
(Continued from page three)

with learning—it is involved with grades doled out by the teacher. These grades are assigned on the basis of how skilled the student is at acting out the student role expected of him. Therefore, in school, relationships are almost always based on roles—not on total human beings.

The competitive test (and they are competitive, regardless of how often we declare that they are not) is a tool of the old value system and so much a part of it that most teachers would be at a loss as to how to teach if it were taken from them. It opposes the new value system in a most basic way. It places the teacher in the role of judge. Most long time teachers like this role or they would have years ago, gravitated out of the system. Can any human being judge the future of another human being then be expected to carry on meaningful relationships with that other person? Not even the teacher who tries hard can break, by himself, the power that the competitive test has over him. I recently overheard several students talking as they waited to discuss with a teacher the grade they felt they should receive for the term. Their conclusion was

ROSE RIFLES

by Phil Wyssling

The Rose Rifles Exhibition Drill Team recently initiated nine new freshmen members into active team status. To earn this they had to successfully complete six weeks of training and learn the basic marching maneuvers and manual of arms reasonably well. From now until the end of January the new freshmen and returning team members will devote all the practice time to learning this year's routine which will be approximately eight minutes in length.

Only a few weeks are needed to learn the mechanics of the routine maneuvers and the rifle manuals but it requires much more time to achieve the precision and unity required to place high in drill meet scoring. In fact, over 50 per cent of the scoring involves precision, difficulty, and appearance of a team at a drill meet. The remainder of the score depends upon transition, variety of movements, originality, floor coverage, military bearing of the team and commander, and recovery from individual mistakes.

Activities planned for this year include marching in the Veterans Day Parade, participating in the annual band tour to Chicago, attending three drill meets in the midwest, performing at a Rose-Hulman basketball halftime, and marching at the annual Parents Day.

This year's drill meet schedule will take the team to Purdue University, University of Illinois at Champaign (considered to be the largest drill meet in the US with over 130 teams competing in six categories), and either to the University of Wisconsin at Madison or Vanderbilt University in Nashville, Tenn. Competing against Rose-Hulman will be teams from the Universities of Illinois, Dayton, and Wisconsin, Ohio State, Purdue University and Western Kentucky, to mention a few of the larger schools.

This will be tough competition for Rose because we are one of the smallest schools represented at these meets but it certainly won't hamper us from winning. In fact, the team leaders believe that this is the first time in four years that the Rose Rifles have a very good chance of bringing home the first trophy in the team's 13-year existence.

This year's new freshmen are: Mike Ference, Gary Ghorbley, Mike Goler, Tom Mochan, Robert Munyon, Jeff Pell, Charlie Ransdell, Ed Rau, and Charles Schilling. Returning sophomores are Wayne Haynes, and Bill Sako. The only junior on the team is Karthur Nitsch (Secretary-Treasurer-Guidon Bearer). The returning seniors are Eric Mitchell (Training Officer), David Rodgers (Vice-President-Lt. Commander), and Philip Wyssling (President-Commander). Captain Rodney Heefner, MSII instructor is the faculty advisor.

The entire team has dedicated themselves to winning Rose-Hulman's first trophy in exhibition drill this year. Hopefully, the original black berets (SFG also wears black berets now) will have the schools support when performing at the basketball game on February 22, 1972, and when competing at their scheduled three drill meets. Wouldn't it be nice to beat all of the large midwestern universities at once. The Rose Rifles believe they can.

that whatever grade this teacher suggested, they would opt for one letter higher. And this teacher is known to have extremely good relations with students.

Another fundamental characteristic of the school system is isolation. In the first place the people who make up the school organization are psychologically isolated from each other. They only rarely allow their real beings to slip through the armor of role and status. Under the old value system this would seem inevitable—for it is the "safe" thing to do. When one is in competition with almost everyone else around him, one hides his weaknesses—keeps his feelings and real opinions under cover and only says or does those things that will further him in his successful movement thru the ritual.

But in addition to this psychological isolation, and at the same time interacting with it, is physical isolation. Teachers are physically set apart from each other in their classrooms and officers ra-

ther than working together cooperatively. The administrative personnel rarely interact with those of lower status other than in formal, "role" situations. Such administrators are set aside in their offices—hoping that those of lower status will not discover that they are something more than roles—real human beings who have emotions and feelings.

The roles and status positions, the competition for grades, the entire ritual—all are tied in very closely with the eco-political system which holds out the ritual achievements of diplomas and retirement as values worthy of the enormous effort expended by those involved in the system. Without these values there is the possibility that the eco-political system itself would collapse. So thus we see that although the human needs of our mass, urban society are not being fulfilled by the system, it is nevertheless essential for the continuance of our eco-political system. Is it worth it?

A look about us at our present social world shows a desperate need for real people relationships not just role relationships. This is certainly true in the school—our institution of socialization. Thousands of students feel as the young man at the urban high school did when he said, "I care, I really care, but nobody here will listen to me."

Many of these students have seen through the meaningless fad-dle in most of their studies. "We must learn this because it is required;" "This subject disciplines the mind." Busy work has been the business of the student—acting out the ritual of extended sacrifice before the reward.

A new symbolism is needed in our schools—a symbolism that will coincide with the new value system and the realities of the world as it exists now. Such a radical change just might be impossible. Giving up vested interests may be more than those in the present system can accept. Nevertheless, if we hope to survive, the old symbols must go.

Probably one of the first changes required is the removal of status barriers. Everyone in the school should relate on a personal basis rather than on a status basis. Status within the school leads those of the higher status to believe that they have reached a terminal point in their education and a Godlike position. Actually under the new value system such terminal positions cannot exist. Everyone in education—student, teacher, administration—must be involved in learning and he should continue the personal learning process for his entire life. Not only can the young learn from the old as is the demand of the present day school, but the old can and must learn from the young. Learning and involvement is for all. Concern with helping others to learn is also for all. If a teacher or administrator fails to see this, he should be somewhere other than in education.

Teachers should be teachers because of real ability rather than pseudo-ability based primarily on courses and degrees completed and the titles bestowed because of such completed ritual.

Education should not be linear-terminal as it has been in the past. Anyone of any age should be able to use the facilities of a learning center; and if one did not want to use such facilities he should not be forced to do so, as now seems to be the case with many young people, for no other than ritual purposes. Learning and teaching should spread out into the community. Many people, other than those we now refer to as teachers, can and should be involved in the learning process. A man who repairs autos for a living might be an excellent teacher of auto mechanics although he fails to hold any of the ritually acquired status of the present day teaching profession.

Failure must be used positively rather than negatively as has been the case in the past. A student told me recently that he learns by his failures, but such learning is countered by the fact that the failures he makes go on a permanent record, the summary of which will follow him all through his educational career. After the test the class moves on the something new and the student has little opportunity to rework, profitably, his failures—learn from them and try again.

Very important in the new system is belonging and group relatedness. Many students today feel alienated from school. It is something apart from them—something full of meaningless activities in which they see little purpose. The symbolism of the new system should involve care for and help for the other persons in the school rather than competition with and fear of these other persons. Everyone has the opportunity to help others and feels he can trust those around him enough to risk his emotions without fear, the new education will be much closer to today's values than the faltering system we continue to laud could ever be.

ALPHA PHI OMEGA PLEDGES SEVEN

Alpha Phi Omega, the service fraternity on campus, pledged seven freshmen members on Wednesday, October 27, bringing the total membership to about 30. Since the function of the fraternity is to provide services to Rose and to the community of Terre Haute the pledges are required to perform two services: one for the chapter, and one for the community.

APO operates the lost and found here at school, and in the past it has worked with organizations such as the Boy Scouts and United Fund. The fraternity is now making plans to help with the Scout Fair next spring, and it is also going to sponsor an "open book exchange." At the exchange, students will be able to buy and sell used books to other students.

APO is hoping to pledge some additional members later this year. Students can join both APO and one of the social fraternities. Anyone interested in joining APO should contact Dave Wordinger, president, or Charlie Patchett, vice president.

NOTICE!

SOPHOMORE HUMANITIES

STUDENT PROJECT

EXHIBIT

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