

Rose-Hulman Institute of Technology

## Rose-Hulman Scholar

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Student Newspaper

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### Volume 9 - Issue 19 - Friday, February 15, 1974

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# the THORN



Vol. 9, Number 19

ROSE-HULMAN INSTITUTE OF TECHNOLOGY

TERRE HAUTE, IND.

FRIDAY, FEB. 15, 1974



## Pennington Gap To Appear In Mind Garden

by Dave Gibson

This weekend a husband and wife act will be performing in the Mind Garden. Jim and Jane Burke are the members of "Pennington Gap," a fresh and exciting group that delights its audiences with a personalized blend of bluegrass and folk music.

Jane began her musical career several years ago on the six string guitar, and in a short time she developed a distinct style. She seems to be one of the very few who can truly be called a natural born musician.

Jim is probably best remembered as the more insane half of the duo "Soney and Burke," who amazed college audiences across the country just over a year ago. A veteran of 10 years of professional experience, Jim never fails to captivate and hold an audience as he switches from guitar to banjo to fiddle and back again.

"Pennington Gap" will perform Friday and Saturday night at 8:00. While playing, Jim and Jane talk to the audience, asking everyone to sing and clap along. So, come to the coffee house this weekend and treat yourself to an evening of music ranging from Dylan to traditional Appalachia, all in a casual atmosphere.

## Mass Transportation Workshop To Be Held At Rose

Nineteen cities of Indiana, Illinois, Ohio, Kentucky and Michigan have been invited to participate in a workshop at Rose-Hulman Institute of Technology dealing with problems of mass transportation faced by medium-sized cities.

The workshop, scheduled for Tuesday, April 9, is being fund-

ed through a grant by Lilly Endowment, Inc., and will use systematic techniques developed to identify needs, issues and solutions to a problem such as transportation.

Indianapolis Mayor Richard G. Lugar, former president of the League of Cities, will be the featured speaker.

Cities invited to participate are Evansville, Fort Wayne, Gary, Hammond, Muncie, South Bend and Terre Haute in Indiana; Decatur, East St. Louis, Evanston, Joliet, Peoria, Rockford and Springfield in Illinois; Dayton, Springfield and Hamilton, Ohio; Kalamazoo, Mich., and Lexington, Ky.

A unique feature of the workshop is the inclusion of representatives from all the phases of the development and utilization of transit systems; policy planners, designers, manufacturers, resource allocators, operators, and the consumer whose needs are to be served.

As a first step in the workshop the most significant needs and issues confronting the communities are to be identified.

## Professional Engineers Exam

Rose-Hulman Institute of Technology is accepting registration for a review course for those planning to take the Professional Engineers Examination April 19-20, according to Irvin P. Hooper, Director of Continuing Education.

Prof. Hooper, who for some years has served as a consultant to the State Board of Registration for Professional Engineers and Land Surveyors which examines applicants to the profession, states that the review course will begin Feb. 27 and meet in two four-week series concluding April 17.

Series A, which will meet each Wednesday evening from Feb. 27 through March 20, will provide a general review of engineering principles and should prove to be of major assistance to those intending to take all parts of the examination.

Series B, scheduled to meet each Wednesday evening from March 27 through April 17, reviews material pertaining to the professional practice parts of the examination, and thus is divided into the professional areas such as chemical, civil, electrical and mechanical engineering.

Course will be taught by members of the Rose-Hulman faculty. Fee for the course will be \$40 per four-week session or \$75 for both sessions. Checks should be made payable to Rose-Hulman Institute of Technology.

Registrants are requested to indicate their major field of engineering so as to facilitate scheduling of the faculty. Programs are subject to cancellation if insufficient numbers register.

school box. Save your newspapers (Indpls. Star variety) and IBM computer cards. Save the trees! We will start a collection immediately after spring break. Support our dances, rock concert?, and any other event we have coming up this spring. By just giving a little, everyone at Rose can help the people of Cana build their future.

## Cana, Lesotho To Receive School

Within the last few days, we were just informed that Cana, Lesotho, a small INDEPENDENT Country within South Africa, was to receive the results of our drive. Cana is a small village, typical of most third-world towns. Health standards are low, the peasants mainly engaged in agriculture with education almost non-existent. The school serves Cana, population 300, and the surrounding area's 161 seventh, eighth and ninth graders. Although extremely modest compared to most schools in this country, it nevertheless has four rooms, a roof, running water and a couple johns.

Of course, no school will be built if we don't raise \$1000! Lesotho, an independent British colony, has a very conservative government that would offend nobody. Our goal of \$1000 is at 20% and seems to be bogging down, even with a \$100 Humanities Dept. donation of a dollar or more.

So here is what you can do... Come by either the Thorn office or Humanities secretary's office and put your generous contribution in the green metal

## THORN IN HOT WATER

Yes, friends, due to a rapidly deteriorating financial situation, the Thorn is taking drastic steps to save money. Today's issue will be the last of the quarter, and the Thorn will probably not appear every week during third quarter. Our problems have been caused by a lack of advertising. Anyone interested in selling ads (thereby helping us save our ass) and making a nice 15% commission is urged to contact the editors via Box 902. We will continue our never-ending struggle to bring you the truth as long as our funds hold out, but we may be a bit "irregular" in the future.

A 15-year-old girl, on her initial visit to the prenatal clinic, was told by the examining physician that she was pregnant.

"When did this happen to you?," he asked. "Well," she replied, "it might have been one night when my parents went to the movies. I'd have gone too, but the picture was for adults only."

## THE ROSE SHOW

On April 6, from 10:00 a.m. to 2:00 p.m., Rose Hulman will try to bring back the past, and at the same time take a look at the future. Last year's Engineers Day will become the Rose Show, a prominent display of new wonders of engineering and science.

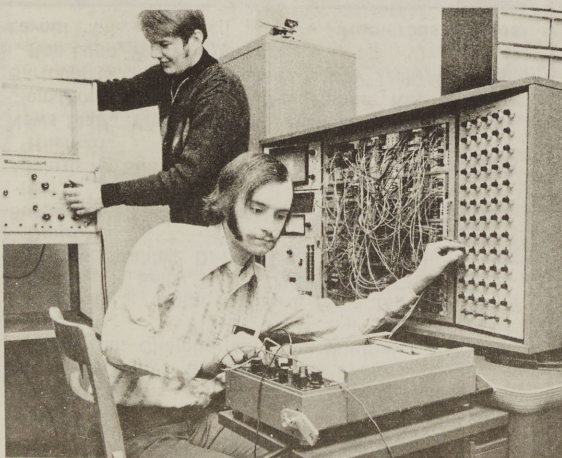
During the depression years, the Rose Show provided entertainment for many local people. Budgets of \$3000 and attendance of 3000 were common during those years.

Student projects in past years have included "radio wave cooking," a forerunner of microwave ovens, and talking across light beams, the principle being laser communications.

Industry has always played a major role in the Rose Show. This year, exhibits scheduled include a digital phone by Bell Laboratories and a display by Delco-Remy of a new high voltage ignition system. Other companies participating include Eli Lilly, Boeing, Borg-Warner, Caterpillar and Link-Belt.

Department participation will include an anti-gravity machine by the Mechanical Engineering department, scale models of chemical plants by the Chem Engineering department, and a body analyzer by the Environmental engineers.

Blue key, which is sponsoring the Rose Show, urges students participation in making an exhibit. Cash awards will be given to the outstanding student displays. Information can be obtained from Bill Ohlah, Box 167.

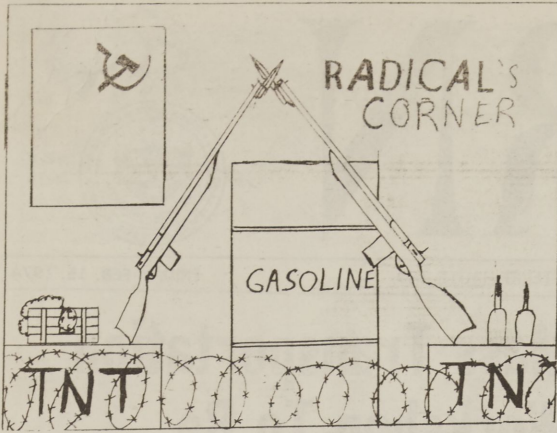


The Rose Show - 1973



The Rose Show - 1938





by Patrick MacGillicuddy and Smokin' Chico

Being conservative may be the American thing to do, but you'll still end up paying more. It is called capitalism. Douse the consumer for all you can get. What can he do? No need to worry about the dollar—until some country turns down our foreign aid. Trucker's struck. Everyone's striking. What can Mr. Nice Guy Average Man do? Strike against spending?

What's the difference between pickpockets and peeping Toms? One snatches watches and the other... Ballard of Standard Oil—Johnny Cash is number one on the energy list. Saga Brown was censored due to an administrative breakdown. What kind of person is a pervert who believes in peanut butter? Wally Skylark at Fillmore East was banned—and in everywhere else where there was good taste. Marching theme of the Space Cadets heard every night on every station just as they go off the air.

Chauncey Rose's unfinished symphony: his greatest waltz—the Muddy Wabash. Tony Hulman's album: I don't care what it is as long as you name it after me. Frank Zappa... one whose reviews aren't commonplace. PDQ Bach—I'd rather start at the beginning of the alphabet. Andrew and Synthia live at the Filthmore with such classics as on the 25th we had sex till four.

The Nixon tapes (click... But... (As Johnny Carson once said: Anybody can make a mistake—five or nine times). Wonderful thing about Western themes: From the first three notes you can extrapolate the entire theme. A Rose Engineer: He couldn't find a wife so he had to design one. Have you ever heard the sound track from Deep Throat?

Plug the hole before you have to fill the gap. The object is not to work with restless abandon but to win with pitiful luck. A thought too valuable to forget is not one that should be taken lightly. Laziness in itself is not a fault. True laziness often sprouts pure genius. That is known as letting it come to you; now is the hard part: to put it all together.

I expect little—all I demand is performance. Never expect one to do what you haven't, wouldn't or couldn't do. Before you speak, it is best to research. Do not speak unless you have something to say. You don't have to take advice, listen to it or look at it. Just remember it when it comes into play.

I will listen to anyone's convictions but pray keep your doubts to yourself—Goethe. The fellow who thinks he has no room for improvement lives in mighty small mental quarters. Why is a near like a woman? According to

the French—they both are charmingly fickle.

A self-made man: He came to this country a penniless kid... but by the time he was deported... Income taxes are getting less complicated. Every year they make them easier to fill out but harder to pay. Current events are so grim one guy doesn't know whether to watch the six o'clock news and not be able to eat dinner or watch the 11 o'clock edition and not be able to sleep. I have just succumbed to the highest disease known to man... power.

Remember the old quote: I ain't going to die if I can't take it with me! Work not done now is twice as hard later. To do the right deed for the wrong reason? You learn not only by teaching yourself but by teaching others. Help and direct a misguided blind man attempting to cut weeds. For otherwise he'd cut a swatch through the Roses. Superman: Just ask him and he'll tell you he's perfect. He's not modest.

Perfection is worth whatever you're willing to pay for it. Patience pays dividends thousands of times the amount of wait. There does not exist a one to one correspondence between bullets and planes. See the Art exhibit in the Union lobby? Wasn't it worthwhile. Steak night — did the maitre d' serve you all as it was rumored. Once in a life opportunity.

On thermodynamics: Is the entropy of congress always increasing? Records in a hole like this get dirty by themselves. Or read the ten commandments of a nurdish frosh on first floor BSB. Where was that stone tablet delivered from? Or for that matter, just walk into a john—any john—and read any of the graffiti on the walls and just try to tell me Rose don't have some of the writers from Laugh in among us all!

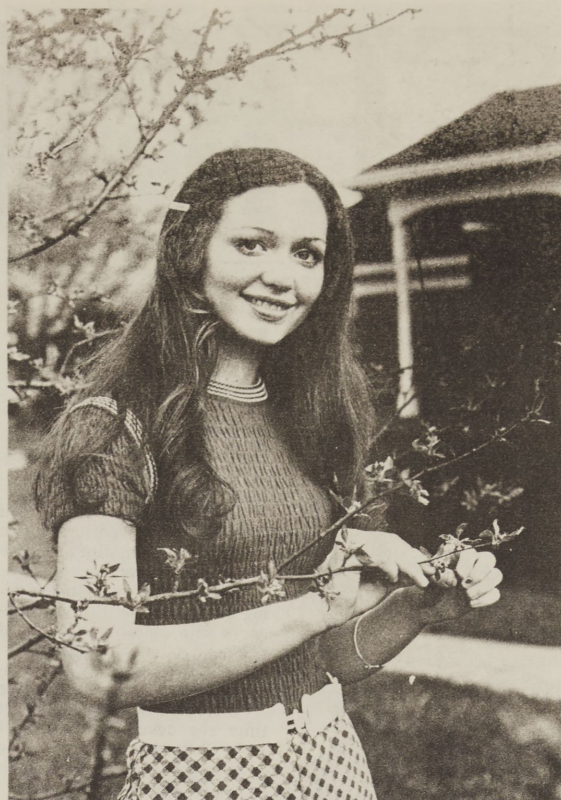
Zombie: Monday morning male all week long. Call someone Sylvester Oliver Burns for the initial effect. Hippies are very frustrating to male chauffeurs: It is terrible when one has to go past a long-haired before knowing whether or not one can whistle at it. Alcoholics Anonymous: Blessed are those poor in spirit. Nobody at Rose is that poor!

A young vacationing student was attempting to sneak a quart of tequilla back from Mexico when a border guard stopped him and asked what was in the bottle.

"Holy water from the shrine of the Virgin Mary," replied the scared student.

The official opened the bottle, took a sip and exclaimed, "That is tequilla!"

"My heavens!" gasped the cunning student. "Another miracle!"



Kathy Ball ... Photo by Hutchinson

### Thorn 'SALUTE': to Richard Wegrich

Now that the last of the three-man Skylab astronaut teams has returned to earth in what doctors describe as "better shape than when they left 12 weeks ago," a new and exciting chapter has been added to the United States space program.

What Skylab proved was that man can live in comfort and work in the weightlessness of space for a year or longer—time enough to go to Mars.

One of those who played an important role in the Skylab space station program of the National Aeronautics and Space Administration (NASA) was Richard Wegrich, a former Terre Haute resident and 1958 graduate of Rose-Hulman Institute of Technology.

Wegrich, who was graduated from the former Wiley High School in 1954, was an honors student at Rose-Hulman in mechanical engineering. He continued his education at Southern Methodist University and later took a short course on spacecraft thermal engineering at U.C.L.A.

An aerospace engineer at the NASA-Marshall Space Flight Center at Huntsville, Ala., since 1963, Wegrich recently received the "Director's Commendation" from Marshall Center's director, Dr. Rocco A. Petrone, expressing appreciation for his service to the center and the Skylab program.

Specifically, the Rose-Hulman alumnus was recognized for outstanding performance during the Skylab hardware development and manufacturing phase while working as a systems engineer on the thermal and environmental control systems.

The award also commended him for outstanding performance as a team leader for one of five teams of Marshall personnel working in the Flight Operations Management Room at Johnson Space Center in Houston during the Skylab mission.

Wegrich was one of the chief engineers on the 100-ton Skylab, America's first space station. His specialty of thermal and environmental control for this space station about the size of a small three-bedroom house was among the most critical areas of the program.

During its five months in orbit at 270 miles altitude, some 90 different experiments were carried out by the first U.S. manned orbital research facility, according to NASA officials.

The emphasis is on the practical benefits that space research can bring to man. And, of course, with data collected and new information at hand, Wegrich and other engineers and scientists will continue to forge new horizons.

Wegrich, son of Mr. and Mrs. Walter C. Bruhn, 1830 S. 28th St., Terre Haute, is married to the former Nancy Cade, daughter of Mr. and Mrs. Ernest W. Cade, 613 Gardendale Rd., Terre Haute. The couple has two children, Richard, 12, and Deborah, 10 years of age.

Doctor: "How's the engineering patient this morning?"

Nurse: "I think he's back to normal. He tried to blow the foam off his medicine."

AE: "Are you afraid of the big bad wolf?"

Coed: "No, why?"

AE: "That's funny, the other two pigs were."



### Platform Busting Contest Sponsored By ASCE

Contest date: April 6, 1974, 4:00 p.m.  
Send entries to Box 747.  
Entry Deadline: March 29, 1974, 4:00 p.m.

#### CASH PRIZES

- 1st Prize — \$25
- 2nd Prize — \$15
- 3rd Prize — \$10

The object of the contest is to design and construct a model which will have a high-load carrying capacity as related to the model's weight when subjected to loading. For testing the model will be placed on pre-constructed supports. The load will be applied and a ratio determined. The model demonstrating the highest efficiency ratio will be declared the winner.

Efficiency Ratio (ultimate load capacity to nearest 1/8 pound and weight of model to nearest 0.1 gram).

Weight of model—All materials not part of testing frame or apparatus will be weighed.

#### RULES (REVISED)

Materials: The following materials may be used in construction of the model: Balsa wood, epoxy glue, coat hanger wire (standard) and solder; styrofoam, one eye bolt to facilitate loading of structure located at center of model.

Model restrictions: 1) No model will exceed the dimensions, 15 in. X 15 in. X 4 in. Models will be checked by the judge to see that they don't exceed these plane boundary limits.

2) No model will weigh more than two pounds.

3) No point of the model will be permitted to lie below the height of the four supports.

4) All models will have an eyebolt located at the center of the object to facilitate loading apparatus.

#### GENERAL RULES

1) Any type of structural model is acceptable.

2) Judges will have the final decision.

3) Any number of people may work on a single entry.

4) No repairs shall be made on structure after loading is started.

5) Only one structure may be entered by a contestant (or a single group of contestants).

To enter, submit in writing your name(s) and your intention of competing to Pete Krantz, Box 747, by March 29, 1974, 4:00 p.m. If you have any questions, contact Pete Krantz, Shannon Rives, or Prof. Lobo.

## Good Trip

If the US Senate Internal Security Subcommittee is to be believed, there never has been and never will be a shortage of cannabis in this country—and sinister forces are seeing to it. The committee, chaired by Senator James O. Eastland of Mississippi, claims in its latest report that cannabis consumption in the US is up a puffing

(Con't. on Page 3)

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every Tue. nite on  
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Ron Spaulding  
Choi K. Wong

Bil Totten  
Mike Mueller

To get on this list, just give \$1 or more. Pitch in!!!

### POTENTIAL ENERGY VEHICLE CONTEST

**GENERAL:** The object is to design and build a vehicle whose sole source of energy is that derived from a one-pound weight falling through a distance of 24 inches. No other forms of energy can be used. However, springs and rubber bands can be used providing they are not used to store any energy before motion is started. The designer should build for maximum distance and minimum weight.

**STANDARD WEIGHT:** A standard weight will be provided at the contest, with the dimensions shown above. The maximum distance through which the weight may fall is 24 inches, and the weight **must** travel with the vehicle.

**NOTE:** All vehicles must have a loop from which the weight may be suspended. The contestant should provide adequate clearance for the weight to fall. There must be a positive stop in the weight's motion after 24 inches, after which the vehicle may coast.

**MATERIALS:** Allowable materials will be: Plastic, Masonite, cardboard, wood, epoxy, string or nylon cord, picture hanging wire, springs, rubber bands, pulleys, gears.

**CONTEST:** When—Rose Show, April 6, 1974; Where—To be announced (A hard, smooth surface will be chosen).

Each contestant will be allowed three trials, the best of which will count. No alterations may be made after the initial run. Determination of the winner will be based on the following ratio: Performance Factor (distance traveled in feet, weight of vehicle in ounces). The highest ratio will win.

If you have any questions, contact any of the following people: Geoff Edick, box 552; Rich Haut, box 40; Dennis King, box 504; Mike Krampe, box 192; Joe Kumpf, box 113.

#### GOOD TRIP CON'T.

300% from last year.

If Eastland's estimates are anywhere near correct, American devotees inhaled some five-billion joints last year. "Five-billion cannabis cigarettes," said Eastland, "would be enough to prove an average of 1.5 per day for five-million chronic users with enough left over to supply another 20-million less frequent users. On a per capita basis, this may well make the United States the number one cannabis-using nation in history."

Eastland and his top aides have little doubt but that this "epidemic" was politically inspired, nor are they wanting for a stable of villains in the scenario. Members of the academic community, the underground press, dangerous elements of the New Left, judges, legislators, Tim Leary and now,



**Terri Mann** ... Photo by Doug Hutchinson

alas, the establishment press itself all rank high on the suspect list.

But the incarcerated Timothy Leary? "Yes, he's in the thick of it," stated David Martin, a subcommittee researcher. According to testimony given by the head of the Drug Enforcement Administration, Leary's Brotherhood of Eternal Love (Rolling Stone, December 7th, 1972, and December 21, 1972) religious organization has expanded to become the nation's largest supplier of hash. Brotherhooders in the business "number no less than 750 and their criminal activities span the globe," testified the DEA's John R. Bartels.

Martin said that international dope traffic became a concern of the Internal Security Subcommittee after they were tipped that Communists were behind the whole thing. Martin ticked off a string of seemingly unrelated events to enliven the plot beginning with campus dissent in 1966. Included were references to sinister back-room strategy meetings in Havana, ex-Chilean president Allende's cocaine connection, Han-oi's heroin hot line and many others.

The Walt-Braeden team has unearthed reports from around the globe which purport to link cannabis consumption with everything from brain shrinkage, gonad damage and fetal deformities to "the very strong possibility of chromosome breakage" as well as such sin-

ister psychological effects as "poor social judgment, depression, anxiety, ego splitting, paranoia, slurred speech and threatening indifference."

Among the critics of the Walt-Braeden theories is Keith Stroup, director of the National Organization for Reform of Marijuana Laws. Stroup maintains that Dr. Braeden is a self-confessed nonexpert in marijuana research, that the approach of the UN team has always been moral-political rather than scientific and that most—if not all—of their findings fly in the face of the current, intensive projects in marijuana research by HEW.

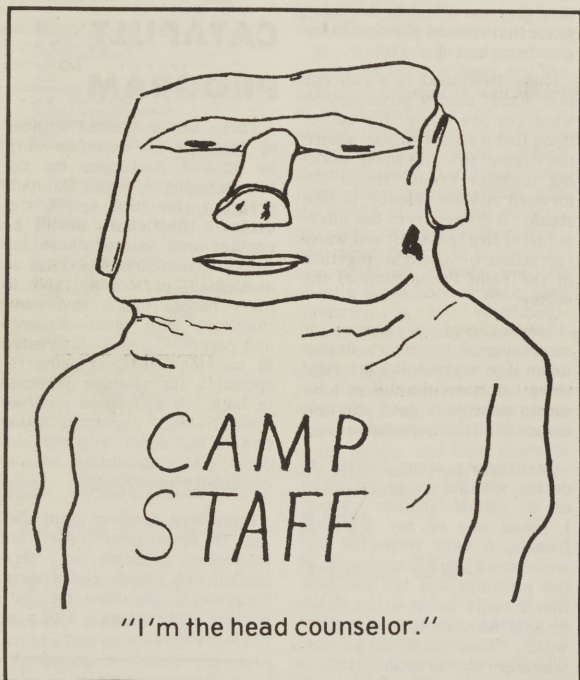
"Members of the Marijuana Commission (the National Commission on Marijuana and Drug Use, called for by President Nixon in 1971) visited 35 countries in an attempt to gauge the international pot situation," Stroup said, "and with few exceptions they were met with incredulous surprise that anyone would be spending so much time and money on marijuana when alcohol addiction seemed the country's most pressing ill."

Only last October, an annual report to the President and Congress from HEW laboratories made the same essential conclusions. In addition, the government researchers found little evidence to support the fetal deformities theory. Yet Senator Eastland can tell newsmen without cracking a smile that "... these scientists warn us that widespread use of marijuana can do serious damage to future generations—it's almost like playing genetic Russian roulette with the race."

Lectures are like steer horns—a point here, a point there, and a lot of bull in between.

Dean of Students: "I have a report here that coke, soda and whiskey were found in your room. What do you make of it?"

E.E.: "Highballs, sir."



Connect 20,000 volts D.C. across a pint of the fluid. If the current jumps it, the product is poor.

If the current causes a precipitate of lye, tin arsenic, iron, and alum, the booze is fair.

If the liquor chases the current back into the generator, it's damn good stuff.

A certain brewer sent a sample of his beer to a lab to be analyzed. A few days later he received a report from the chemist:

"Dear Sir:  
Your horse has diabetes."

An industrious HSSE bred his parakeet to a tiger. He doesn't know what he's got, but when it talks, he listens!

## ENGINEERS

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ROTC Cadet at Ft. Benjamin Harrison.

# ROTC NEWS

A group of Senior ROTC cadets from Rose-Hulman Institute of Technology, along with wives and girl friends, spent a day at Fort Benjamin Harrison, Ind., on a Student Introductory Tour of the post. They are shown being briefed on the operation of the Fort's Hawley Army Hospital, by Captain George Bodie, Hospital Adjutant. The students also toured the U.S. Army Finance Support Agency and the three service schools at the Fort, and lunched at the Officers Open Mess.

## RIGHT LIVELIHOOD

Right livelihood is something I learned from Dick Baker, a Zen Buddhist roshi. I don't know its origins, and I'm not certain of its history. I can't tell you directly whether you are involved in right livelihood. However, I can suggest some of the questions you might ask yourself. Please don't take me too literally—this is not a typical cosmopolitan questionnaire to mea-

sure something like whether you are gay or straight sexually. It is simply a way to give you a perspective on what right livelihood is.

First of all, do you think you can undertake your work for a long time? Right livelihood could be spending a whole life as a carpenter, for example. One of the qualities of right livelihood is that within it, within the practice of it, is the perfection of skills and qualities that will give you a view of the universe. Constant perfection or practice of a right livelihood will give you a view of the whole world, in a sense similar to Hemingway's story of The Old Man and the Sea. In Hemingway's story the old man's life as a fisherman gives him a connection with the entire world, and a "whole world of experience." What are the rewards? Right livelihood has within itself its own rewards; it depends the person who practices it. When he is twenty years old he is a little different from the person he will be at thirty, and he will be even more different when he's forty, and fifty. Aging works for you in the right livelihood. It's like a good pipe or a fine violin—the

more you use it the deeper its finish.

Another thing you can ask yourself about right livelihood is whether the good intrinsic in your livelihood is also good in terms of the greater community. This is a hard question to answer when you are asking it about yourself. It's hard to establish criteria, but a carpenter can certainly be doing good for the community in a very powerful sense. All of this is by way of saying that you shouldn't separate the idea of doing good from whatever your livelihood is; they can be integrated. With a right livelihood you would not be doing what you are doing and at the same time be saying "I'd rather be a nurse. I would rather be head of the Red Cross." The dichotomy would not be necessary. What you would be doing, in your eyes, would be as beneficial to the community as any other function.

I have tried to give a few guidelines on right livelihood. However, experience is a part of livelihood that cannot be described in words. The words and phrases I use are necessarily trivial descriptions, such as the job and you are "centered" or the relationship between who you are and what you do is "focused." These are cliches, and they miss the point. But they give you a hint in the same sense that stained glass windows give you a hint of a rainbow.

Right livelihood is a concept that places money secondary to what you are doing. It's something like a steam engine, where the engine, fire and water working together create steam for forward motion. Money is like steam; it comes from the interaction of fire (passion) and water (persistence) brought together in the right circumstance, the engine.

The concept of money as something of secondary importance if you are doing the right thing has not been difficult for me to accept. A good example comes from my personal life.

In my late teens I tried to decide whether to be an artist or to follow another career. I asked one of my mother's friends, a very respected and well-known sculptor, to look at my paintings and tell me whether I could be an artist. What he said when he looked at them was: "They are very nice. Whether you are an artist or not is not visible. It depends on whether you can work eight hours a day every day." It happens that he was a Japanese sculptor, maybe with a touch of Zen training.

## Roundballers Take Fifth Straight Home Tilt

by Kevin Kingery

Rose picked up her fourth and fifth victories in a row at home this past week. First we defeated Concordia of St. Louis. Rose started quickly and stayed on top to win 82-66. Hot shooting senior Clayton Black led Rose with 22 points. Griggs had 17 and Ransbottom, 16. For Concordia, Schulz had 16 and Flaxbart had 14 points. Rose controlled the backboards with a 33-25 rebound margin.

Saturday night Rose avenged an earlier season loss to Principia by dropping the Preachers 90-82. Bushong was held to 24, but teammate Kleines got away with 30 points and 12 rebounds for Principia. Denny Townsend turned in another great performance, coming off the bench for 20 points and 7 rebounds. Ransbottom and Griggs also had 20-point nights. VanDyck chipped in with 16, and 10 rebounds. This was a close contest all the way, and one of Rose's biggest victories of the season.

## CATAPULT PROGRAM

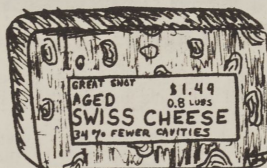
There are a limited number of openings for Summer work as Student Assistants for the two sessions of the Catapult program (for high school students). Applicants should be capable and interested in lab work, reasonably successful in academics, personable (able to meet people easily and communicate with them—students and parents), and be interested in working with and being responsible for younger students in both lab and dorm environments. All assistants must live in the dorm with the students. May graduates are encouraged to apply.

Interested persons may obtain an application form from Professor Schmidt or Mrs. McCullough (Math Department Secretary). Deadline for submitting applications is 4:00 p.m. Friday, Feb. 22.

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