

Rose-Hulman Institute of Technology

## Rose-Hulman Scholar

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The Rose Thorn Archive

Student Newspaper

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Winter 12-17-1992

### Volume 28 - Issue 13 - Thursday, December 17, 1992

Rose Thorn Staff

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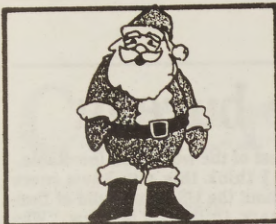
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# the Rose Thorn

Merry  
Christmas  
AND  
Happy New Year  
from the staff of  
the Rose Thorn

## NEWS BRIEFS

### Donaldson wins ACM contest

by Joseph T. Batt

Leslie Donaldson won the Rose-Hulman Association for Computing Machinery Programming Contest last Saturday. Five teams competed in the three hour contest consisting of three questions that could be answered in either Pas-

cal or C programming languages.

The programming environment for use in this contest was written locally, by David Holscher and James Hicks. This contest was a practice for an invitational that the local ACM chapter is planning to hold in the spring.

### Consulting Engineers of Indiana announce scholarship program

Applications are now available for the 1993 Consulting Engineers of Indiana (CEI) scholarship program from Cecil Lobo, professor of civil engineering.

Applicants have the opportunity to receive two scholarships. CEI presents a \$2000 scholarship each year. Eligible applications are then sent to the American Consulting Engineers Council (ACEC) for further consideration. The ACEC program provides \$5000 to the "Scholar of the Year", at least six \$2500 awards, and additional awards of \$1000 each.

Applicants must be a U.S. citizen entering his junior or senior year in the fall of 1993. A preference is given to those interested in pursuing a consulting engineering career. Stu-

dents must also be enrolled in an engineering program accredited by the Accreditation Board of Engineering and Science (ABET).

A section of the application requires an essay on consulting engineering. It would be helpful to the applicant to visit an engineering firm prior to beginning his essay. Contact Cecil Lobo for a CEI membership directory. Any firm listed would be pleased to help out.

The deadline for entries to CEI is January 31, 1993. Interviews will be conducted with eligible candidates. National winners will be selected in March with a special presentation to the "Scholar of the Year" at ACEC's Annual Convention in Los Angeles.

### Lambda Chi Alpha brings holiday joy to several area children

by Brad Key

Vice President, Lambda Chi Alpha

On Sunday, December 14, the men of Lambda Chi Alpha held their annual Christmas Party for Underprivileged Children. Seven children attended the party which consisted of games, a movie, refreshments, and a visit from Santa Claus, who was bearing gifts for the children.

After the children opened their gifts, the brothers helped

them put together their toys and then played with the children. It was difficult to tell who was enjoying the party more, the brothers or the children.

This was a very special event of which Lambda Chi is very proud, since it brings so much joy to the children who might not have otherwise had a nice Christmas. One child said that was the best Christmas he had ever had. The men of Lambda Chi Alpha would like to thank Big Brothers/Big Sisters and Toys R Us for their continued help and support.

### Dates for Career Fair announced

The 1993 Rose-Hulman Career Fair will be Jan. 19 and 21. The event is an excellent opportunity to learn about summer jobs and what employers

think of the current job market.

The event is coordinated each year by the Office of Career Services and Employer Relations.

### Dean Eifert resigns as Lambda Chi Alpha chapter advisor

by Brad Key

Vice President, Lambda Chi Alpha

At the end of the 1991-92 school year Dean Eifert resigned as chapter advisor for Lambda Chi Alpha due to increased job responsibilities with the school. He held the position as chapter advisor for over 15 years.

To show our appreciation for

his years of service and dedication to the chapter, Dean Eifert was presented with a Lambda Chi Alpha brass desk clock. Dean Eifert was also recognized by the International Headquarters of Lambda Chi Alpha who gave him a plaque. The men of Lambda Chi Alpha would like to again thank Dean Eifert for his years of service to Theta Kappa Zeta.

### Rose-Hulman featured monthly on WTHI-AM

News and developments at Rose-Hulman will be featured each month during the "College Corner" program spon-

sored by WTHI-AM (1480). Rose-Hulman's segment of the 30-minute show will air the second Monday of each month at 6:30 p.m.

## Serious financial challenges force difficult decisions

Paul Klenk  
News Editor

Recent financial challenges have placed Rose-Hulman in a position of considering the elimination of faculty positions as a means of reducing costs.

The budget proposal Rose-Hulman is sending to the board for approval at its January meeting does not call for a reduction in personnel. In the event that the board does not approve the proposed budget, personnel cuts are likely. According to James Eifert, dean of faculty, "the vast majority of our expenditures involve personnel. We can't cut too much out without considering cutting positions."

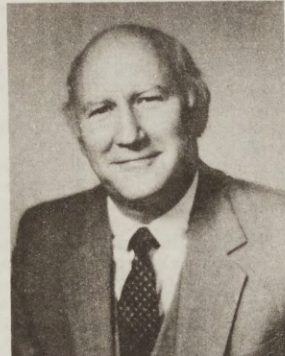
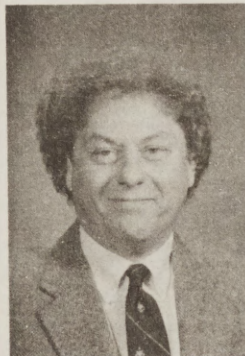
Eifert confirmed that a letter of non-renewal has already been issued to an individual in the Computer Science department. The action was taken in accordance with the faculty handbook provisions that a one year notice be given to individuals with more than two years of service.

This notice was given at the end of the Fall quarter to place any needed cuts into effect most efficiently. "We couldn't wait until January to notify some people without giving up their salary" for an additional quarter, he stated. Eifert further explained that to "protect myself so I can act if I need to in January, I had to act now."

Eifert stressed that the notices given so far would not necessarily take effect if the board does not reject the proposed budget. He explained that the actions taken "are always reversible if that is in the best interest of the individual involved."

Eifert refused to comment on the possibility that additional notices of non-renewal have been given or that additional positions will be eliminated in the future. "It does not serve our purposes well to have a lot of discussion about who we might cut." Furthermore, said Eifert, such discussion violates the privacy of the individuals involved. "It would be an error to assume that the last people to arrive here will be the first people to leave. It would also be an error to assume that any additional cuts will be among faculty members," stated Eifert.

Faculty members with one year or less of service must receive a three month notification that the probationary contract will not be renewed. Those in the second year of service must receive a six month notice, while those with more than two years must be



Dean of Faculty James Eifert, left, and Rose-Hulman President Samuel Hulbert discussed in recent interviews with The Rose Thorn the financial problems facing Rose-Hulman and the possible implications to students and faculty.

given a twelve month notice. Thus, it is possible that additional notices will be given, if necessary, to personnel after the January board meeting.

The most important of the criteria used in making the decision of the positions to be eliminated is the integrity of the academic program. The second is the performance of the individual. Eifert stressed that "no one here is a substandard performer. We don't keep anybody here we don't want to keep because we run a pretty lean organization." But when situations like this develop, "someone has to be the first to go."

Rose-Hulman has, in the words of President Hulbert, "been living beyond our means" for the last couple of years. Expenditures have exceeded revenue in two primary areas. The first is capital improvements, which includes such things as laboratory upgrades, general campus improvements, and such things as the recent telecommunications system. Rose has spent \$2 million each of the last two years on these types of enhancements. The second primary area of deficit spending has been the financial aid budget.

There are three primary reasons this problem has developed, said Hulbert. The first is that the college has anticipated more gifts than have materialized. It was also anticipated that Rose would be into a major fund drive by now, but this was pushed back a couple of years because the vote on coeducation took longer than expected.

Second, the poor condition of the economy has resulted in gifts not being what was anticipated and in

lower income from the endowment due to lower interest rates. The third cause of financial stress has been paying off the money borrowed to remodel Moench Hall. The payment due next year is by far the largest that will ever have to be paid in retiring this debt and is about \$900,000 more than this year's payment.

The budget that will be sent before the board for approval in January includes a three-pronged plan to bring expenditures in line with revenue. First, capital expenditures will be reduced until the fund drive is underway. There are plans to continue to improve all laboratories, but they will slow down for the next couple of years. "We're still going to buy lots of equipment, but we're not going to buy \$2 million worth," said Hulbert. Expenditures will probably be around \$600,000 instead.

The second provision involves the financial aid budget. "We are going to continue to expand the financial aid budget," said Hulbert, "but were going to stick closer to it."

The third area in which expenditures will be reduced is operating expenses, which includes things such as travel, postage, printing, and supplies.

The spending cuts appear worse than they really are, said Hulbert. "On the one hand we're cutting back, but on the other we're spending far more than we were spending six or seven years ago." The proposed budget is a cut from the last two years, said Hulbert, but those were the best two years in Rose-Hulman's 120-year history.

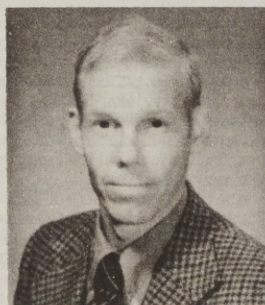
## Simulations change ways of learning science

Soon the only thing Mike Moloney's physics students will need to create a star or see the properties of an atom to produce a laser beam is a computer screen.

Moloney, professor of physics and applied optics, and 27 other physicists nationwide are involved in a project to create computer simulations unlike any being used to help college students learn physics.

"We want students to see things happen that previously could only be talked about," Moloney said in describing the project called Comprehensive Undergraduate Physics Software (CUPS).

He says the computer software controlling the simulations will encourage students to do "recreational education. Students will be able to modify existing



Professor Mike Moloney

simulations or change them entirely."

"This is a key to the success of our efforts. Students will be able to see the details of the computer software used and alter it. That

type of activity in itself will be educational," he explained.

Students will have more control during simulations about a variety of material ranging from laser to nuclear physics, Moloney said.

"During a simulation to create a laser beam, students will control temperature and the energy levels of an atom," Moloney explained.

He added, "It'll make it easier for the student to ask what if? Our goal is to pull the student more into the learning process."

Moloney said professors involved with CUPS have become students too.

"As teachers we've been on a learning curve to determine how to fulfill the promise of the computer in education," he said.

## Opinion

## The Rose Bureau?

by Robert J. Wallace  
Thorn Columnist

A few weeks ago I received a copy of the *Rose Bureaucrat* in my mailbox. Being an active member of the Student Senate, I had a great interest in reading the publications. I am always pleased to see members of the student government get active and try to do things for the student body.

But after reading the article and speaking with a few of the officers, I was extremely disappointed. As most of you know, mass mailing has been all but eliminated except for certain instances which must be approved. The author failed to get such approval and instead side-stepped the standard mailroom policies.

The cost of publishing such a newsletter is of course not free. According to the SGA constitution, which I am absolutely sure the author has a copy of, any SGA expenditure of funds must either be approved by the SGA finance committee or be approved by the SGA president. Neither of these was done and again the author disregarded standard policies and expected to get away with it.

But what disturbed me the most was the content of the newsletter. Its purpose may have been to let the student body know what the SGA was up to, but it instead was extremely slanderous, misleading, and bias. And I thought my opinion columns in this newspaper

were highly opinionated!

I quote directly: "Concern was expressed due to a rumor that was spreading that the submitter of the resolution could be slightly biased..." What are we doing here reporting rumors? I think the author should have called the publication the *Rose Gossip* instead.

I was also offended by how the author used this publication to self-glorify himself. I read throughout the article "Senator Young did this," and "Mark Young did that." Is this the only senator in the SGA that has done anything this year? Apparently this must be the case.

I question the TRUE intent of this publication. I believe informing the student body may not have been the only purpose of this newsletter as was noted by the author. Was its intent to destroy the proposed SGA computer? Was it to get back at the SGA secretary for something he's done in the past? Or was it something else?

I encourage the fellow senator to continue to publish his newsletters, but I would ask him to do so under the structure already provided for in the SGA. Such a publication would be a great project for the SGA historian and the publicity committee to work on. And next time work WITH the SGA, not against it. I think you'll find it much easier and much more rewarding.

## Tales from the bierstube bureau

The Dane was drunk again, and when he was drunk, he always talked politics. "I'll tell you what America's problem is," he told me in German that surprisingly became more fluent the more German pilsner he drank.

It was Wednesday night and I was at yet another one of those parties that the Germans must organize when they can't wait until the big parties on the weekend. This one was organized by the university and had the common elements — hundreds of people, lots of pilsner, and music that was cool in America maybe ten years ago. Before I came to this country I had never even heard "YMCA" by the Village People. Here, it is a staple, a prerequisite for any dance party. So there I was, listening to the Village People again, working undercover in my official capacity as foreign correspondent for the *Rose Thorn*. And the Dane was talking.

"America spends too much money on defense. It spends billions on warships and planes while its people starve."

You might think that speaking to a Dane in German would be hard. You err. Speaking to a Dane in German is much easier than speaking to a German. The Dane has a limited vocabulary, like myself, doesn't know slang, speaks slowly, and with no accent. Unlike the Germans.

"Now America's economy is terrible. The Japanese own a big part of America. And America spends its money on military."

I felt it necessary to defend my country. Before, I was a liberal cynic, thinking the worst of our government. Now that I live in Europe I realize that however bad America may seem, it's the best place in the world. With a huge shift to the right, I now blindly defend our government to foreigners with the same veracity that I criticized it before. "We have had to protect the world," I told the Dane. "We were protecting you, you geek." I didn't translate geek. It's pretty much universal. "We protected you throughout the cold war and protect the whole world today."

He laughed. "In twenty years Japan will own California and the EC (European Community) will own New York."

Most Europeans think America consists entirely of California and New York. Maybe Chicago somewhere in the middle. They really can't comprehend how big it is. An American pointed this out to the Dane, and he corrected himself. "OK, the Japanese will own the west half of the US, and the EC will own the east. And the Americans can move to Alaska."

"We protected your lousy little country and this is your response?" I asked.

The Dane shook my hand, almost knocking over his latest beer. "Thank you," he said. "Thanks for protecting us. Now we will buy you out."

He may have a point. Everyone asks us for help — Kuwait, Somalia, Liberia, Yugoslavia. And many times, as with Somalia, we just can't turn away. The rest of the world expects us to be the policeman, and usually to provide all the funding for protection. A German newspaper recently reported that Germany was not going to send troops to Somalia, but would aid with *politische Hilfe* — political help. Everyone is willing to provide political help. As long as we provide the money.

The Dane had to yell even louder now as the roar of the party became more deafening even though we were quite distanced from the dance floor. "That's part of the reason why the Americans are so poor. That and they pay so little for jobs. Most people in America must have three or four jobs just to eat."

I don't know where this guy got all his misinformation. But he had an abundant supply. True, minimum wage jobs in America pay

much less than an unskilled job in Europe. Here in Germany ridiculous wages are paid for the simplest of jobs. In Indiana life-guarding is usually a low-paid job that allows some teenagers to buy a few more CD's and a few pizzas every once in a while. I netted \$4.25 for it. Here, it is a career done by aged men. But it is good that these laborers are well paid, or does that discourage college educations? Sure, a lot of people earn minimum wage, which is

rest of the world was inevitable.

I think this guy knew more about the US than he did of Denmark. Or thought he knew. "Why does everyone talk about our terrible economy?" I queried. "We pay \$1.10 for gas. You pay over \$3.50. We pay \$25 for jeans. You pay \$100 for the same." (I did see Levi's 501s for only \$40, but they were used.) "We pay half as much for everything except beer." In fact, I've come up with a coefficient I call the GRF, the German Ripoff Factor. This is simply the number by which you multiply the American price of something to get the German price. I often calculate it on the calculator watch, the last vestige of geekness I retain on my yearlong vacation. For example, I bought a small bottle of contact solution last week. Taking volume into consideration, I calculated a GRF of 3.8. So if anyone talks about how bad the economy is in the U.S., they should live here for a while. I'll never complain again when gas goes up \$1.00 or the price of stamps goes up a couple of cents. "Here it costs \$.67 to send a letter across the street," we Americans explained to a German. "But we pay only twenty-nine cents in the U.S." Only twenty-nine cents. And how we did complain when the price jumped to that level.

I made my closing arguments. "So you make good money. You get free tuition. But you pay half your wages in taxes. And you pay twice as much for your products. And if Denmark is anything like Germany, you can't even buy anything because the stores are always closed." Though I had given up a couple points, I thought I had done pretty well.

But the Dane didn't budge. "In twenty years you'll have to move to Alaska."

He may be right. But Alaska is a big place. We could probably all move there and still be less crowded than Europe.

The Dane had stopped arguing. So we got the nearby Swedish girls and danced. We had to make the most of this party. The next one wouldn't be until Friday.

But the night was young, and the Dane's wasn't by any means done.



Ever Get Somebody  
Totally Wasted?

Drinking  
AND  
Driving  
IT'S  
illegal  
IT'S  
stupid  
IT  
kills

Stay Alive  
Don't Drink  
and Drive

## Letter to the editor

Dear editor:

I just read the letter by "Ben Nicholson and friends," concerning the admission of sodomites into the military. I haven't read the article to which the letter was responding (I'm a co-op student and was away during the fall quarter this year), but I'd like to write a response to the letter.

Ben & friends' letter displays a basic difference in assumption between those who favor sodomites in the military and those who are against the idea. That assumption is whether sodomites generally ought to be accepted in society.

Those who think sodomy should be condoned by society regard it as a "choice of lifestyle," or matter of "sexual preference." However, there is much that gives evidence to the claim that sodomy is sexual deviance, or perversion. For one thing, there are few who can discuss, even in purely scientific terms, the various activities in which sodomites partic-

ipate, without becoming disgusted. That is because what sodomites do is disgusting.

I realize there are heterosexual people who do these things also, but any legitimate survey will show that the people who do such things are, by far and large, sodomites. Furthermore, criminal studies have shown that child molesters and other sexual deviants generally are, or have been, sodomites. Do we really want this in our society? Dr. Melvin Anshell, a Jewish psychiatrist who has testified in court as an expert on the effects of pornography, and who has treated homosexuals, has written that "homosexuals have psychopathic personalities. That is, they are people who are not capable of feeling affectionate love for their sex partners," and that "from a psychoanalytic standpoint, the homosexual is the sickest of all perverses."

There are some who will say that sexuality, even disgusting perversions of it, are private matters — as long as "nobody gets hurt" and everything that goes on is between "consenting adults." However, what sodomites want when they clamor for "acceptance," is not for the "state" to stay out of their bedrooms, but to bring their bedrooms out into the public view and force it on everybody.

It has never been a particularly popular thought that the government belongs in the bedroom. But one's sexual life is not entirely a private matter. When a woman has a baby, everyone knows what it is she did to have that baby. By having children, married couples are making it public knowledge that they have sex. Nobody discusses the details of that sex because of its sacred and private nature, but the fact that it is going on is a very public thing.

It's time we all take a good, frank look at what sodomites are and what they do, and ask ourselves "Is this the kind of thing we want our society to endorse?"

I, for one, will respond with a firm and resounding "No!"

Sincerely,  
Daniel P. Engel, III

Merry  
Christmas!

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The *Rose Thorn* welcomes letters or comments from readers. Articles, ideas, and announcements are also desired. In view of length constraints, we reserve the right to limit the lengths of comments and use excerpts from letters. All submitted material must be signed. All material should be submitted the Monday prior to publication.

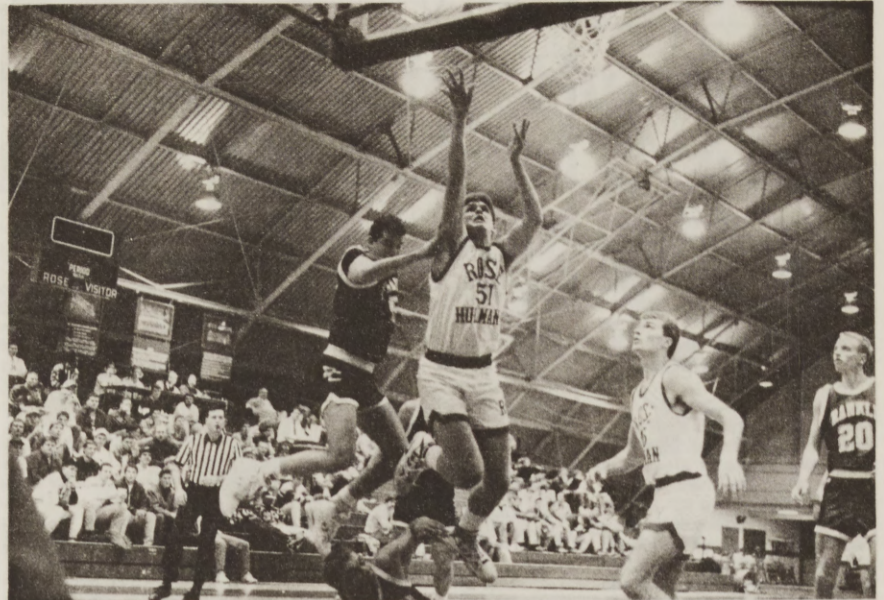
# Cagers beat Centre, roll to 8-1

by Jim Broskow  
Sports Editor

The Rose basketball team has certainly earned the break they have ahead of them. The Engineers finished on top of their last six games to improve their record to 8-1 this season. Following Tuesday's game, the team's schedule was empty for two weeks.

The team's next matchup will be on the 28th of December, as the team heads to Tampa, Florida. They'll face a tough University of Tampa team, which is 6-1 this season. After that they head to St. Petersburg to take on Head Coach Bill Perkins' alma mater, Eckerd College. After that Rose begins ICAC play at Franklin College on January 6th. And the team is anxious to start ICAC competition, as they were picked to finish last in the league, and have something to prove. Yes, last, with two of the league's best guards from last year returning.

Rose's conference opponents should already be wary of the team's unrecognized ability. The Engineer's last victory avenged their only loss of the year. Centre previously beat Rose 81-63, but the Engineers surmounted a 10 point halftime deficit to defeat the Colonels 78-63. This was the first time Rose has beaten the team in ten years. The pace in the second half was set by Scott Beach, who had been struggling in recent games. But Beach, after scoring only three points in the first half, canned 11 out of 11 in the second to finish with 25 points. Scott Woods, who had been leading the team lately, didn't let up. He once again finished the game with over 20 points. Ryan Steinhart did an amazing job of keeping the ball in Rose's hands during the game, pulling down 13 rebounds. It will be an interesting season for the ICAC if this is the last place team.



Senior Corey Otters (No. 45) eagerly awaits a rebound. Otters leads the team in rebounding, grabbing an average of 77 per game.

## Rose Sports in January

Date		Time
2	BB Eckerd Coll. (FL)	7:30 p.m.
6	BB Franklin Coll. (Franklin)*	7:30 p.m.
8 & 9	WR Midwest Tourney (Indy)	
12	WR WABASH COLLEGE*	7:30 p.m.
13	BB DePAUW UNIV.*	7:30 p.m.
16	BB Anderson Univ. (Anderson)*	3:00 p.m.
18	BB Concordia Univ. (WI)	7:30 p.m.
20	BB WABASH COLLEGE*	7:30 p.m.
22 & 23	WR Elmhurst Invy (IL)	
23	BB Hanover Coll. (Hanover)*	2:00 p.m.
27	BB MANCHESTER COLL.	7:30 p.m.
29 & 30	WR Monon Bell Classic (Crawfordsville)	

HOME EVENTS IN CAPS  
\*ICAC Event

## Labbes lead grapplers

by Jim Broskow  
Sports Editor

The Rose wrestling team suffers a lack of returning lettermen to this year's squad. In fact, there are only two. But the two are dedicated. Brothers Jim and Joe Labbe, 134 and 126 pounds, respectively, spare nothing when they wrestle, even when practicing against each other. Both finished with positive records as freshmen, and have already established themselves this year on the team. Jim, unseeded in the Little State Tournament, won three of his four matches to

place second in the meet. He continued to perform in matches against Milliken and Wabash, winning both and improving his record to 5-1. Joe, though he didn't place at Little State, has since boosted his record by adding a win and a forfeit.

The lineup is considerably more dense than has been in recent years. The team is full, with the exception of the 190 pound and the heavyweight classes. The team is all freshmen though, except for the Labbe brothers, and junior Scott Slisher, who is 4-3 in his first season on the team. Coach Mark

Buti commented, "Guys think it's too late to come out for the team. But the season hasn't even really started yet." Rose doesn't wrestle again until January 8th, at the Midwest Tournament in Indianapolis. "We still need wrestlers at the higher weight classes." Coach Buti encourages any able athletes to contact him, or show up for practice after classes during the week.

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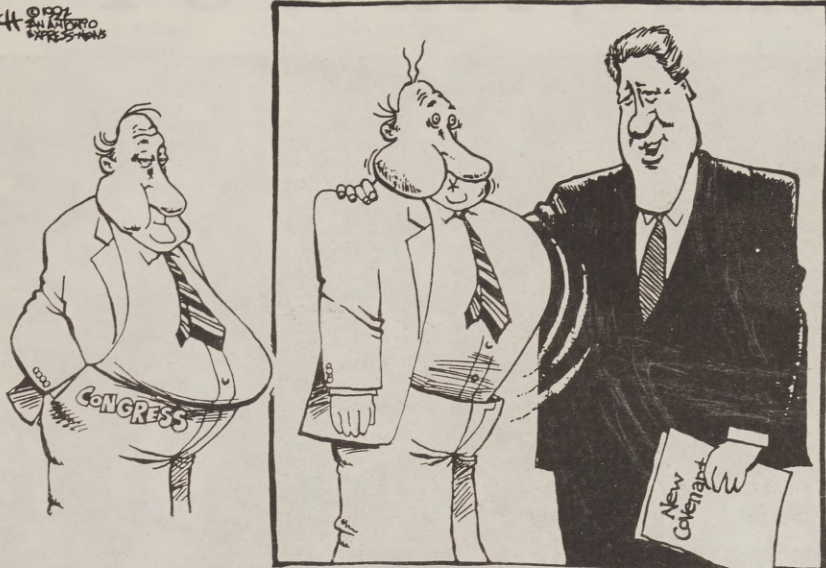
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TRANSITION



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## The December-January Problem

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The winner of the November problem is John Haraguchi, from the Department of Electrical engineering. The December-January Problem consists of two parts. Each part is worth \$5. Part A (proposed by Bart Goddard): Solve the following system of differential equations, where  $a$  is a given non-zero constant.

$$x'(t) = ax(t)\cos(t) + ay(t)\sin(t),$$

$$y'(t) = ax(t)\sin(t) - ay(t)\cos(t),$$

### Part b (proposed by John Rickert):

A projectile is fired with an initial velocity  $v$ . It is well known that the maximum distance traveled over level ground by the projectile is attained when the projectile is fired at an angle of  $45^\circ$ .

a) Suppose that the projectile must be fired over a wall of height  $w$ . Find the angle which will maximize the distance beyond the wall that the projectile may travel.

b) Suppose that the projectile starts at height  $h$  and is fired over the wall from part (a). Find the angle maximizing the distance beyond the wall traveled by the projectile.

