

Rose-Hulman Institute of Technology

## Rose-Hulman Scholar

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The Rose Thorn Archive

Student Newspaper

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### Volume 18 - Issue 18 - March 25, 1983

Rose Thorn Staff

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# Hutchison to play at the Worx

contributed by  
Steve Rugh

Experience it tomorrow night! The Student Activities Board is proud to welcome Barbara Bailey Hutchison to her first ever appearance at Rose-Hulman. Barbara kicks off her show at 8:00 p.m. in the Worx, Saturday, March 26.

Barbara Bailey Hutchison has been a professional musician for ten years. She plays contemporary accoustic pop to light rock music, accompanying herself on guitar and piano.

Her music touches many

bases, including her own original material, she performs many popular songs by well known entertainers and several lesser known selections written by talented songwriters who have not yet reached national recognition.

Barbara has been touring continuously for the last three years performing in many clubs and colleges throughout the country with return engagements to most. She has opened for many popular artists such as Kenny Rankin and Steve Goodman.

Barbara has released two albums consisting primarily of her own material. These both received radio airplay and were well received by the public. She was also featured in some national radio commercials including one for United Airlines.

Here are some of Barbara's thoughts on her career . . . "I enjoy what I do. I enjoy what I sing. Maybe that's because I sing what I like and what I feel inside. Music is my life. I want to 'take it to the limit' . . . if there is one."

## the Rose Thorn

Vol. 18, No. 18

Rose-Hulman Institute of Technology

MARCH 25, 1983

## Bailey selected to visit China

Dr. Herbert R. Bailey, professor of mathematics at Rose-Hulman Institute of Technology, has been selected as a member of a team of university mathematics specialists from the United States to visit the People's Republic of China this spring to participate in a bilateral technical exchange with their Chinese professional counterparts practicing in the field of post-secondary mathematics education.

The trip to China came about as a result of a request by the Mathematical Society of the People's Republic of China to People-to-People International to select a team of U.S. mathematics educators for this exchange.

For the past decade, the leadership of the People's Republic of China has strived to improve individual lifestyle through modernization, while maintaining cultural integrity. The implementation of science and technology from Western countries, particularly the United States, has already had a significant impact on China. Further scientific and technical exchanges on issues of common interest are certain to have a far-reaching influence in strengthening relations between the two countries.

With this purpose, the U.S. delegation will meet with Chinese mathematics educators, including undergraduate and graduate curriculum specialists, computer science educators and government officials responsible for China's education system.

The U.S. delegation will convene May 29 in Seattle, Wash., for two days of briefings and from May 31 through June 19 will visit Peking, Shanghai, Hefei, Wuhan, Canton, and Hong

Kong. In all the cities to be visited, the Chinese Mathematical Society will arrange professional meetings, field trips and discussion sessions with appropriate Chinese counterparts. Major symposia are planned in Peking and Shanghai for the exchange of technical presentations.

"I am pleased to have the opportunity to exchange teaching ideas with my counterparts in the People's Republic of China," commented Bailey, a graduate of Rose-Hulman in both electrical and chemical engineering and a member of the mathematics faculty at his alma mater since 1966. "After a number of years in research in mathematics and now having taught mathematics for several years, I find that while the research was challenging, academic life is more interesting and worthwhile."

The People-to-People organization was founded in 1956 by President Dwight D. Eisenhower as "a voluntary effort of private citizens to advance the cause of international friendship." Under Eisenhower's guidance, a board of trustees comprised of professional, business and cultural leaders developed Project JOPE (administered by People-to-People Health Foundation), Sister Cities International, the High School Student Ambassador Program, the Classroom Exchange, the Handicapped Program, the Pen Pal Program, and the Citizen Ambassador Program in which

Dr. Bailey will be participating.

A native of Denver, Colo., Bailey was graduated from Rose-Hulman with honors in electrical engineering in 1945 and stayed on the next academic year to earn a second bachelor's degree in chemical engineering. He earned an M.S. in electrical engineering at the University of Illinois in 1947 and the Ph.D. in mathematics from Purdue University in 1955.

Professor Bailey's professional experience outside education includes research in mechanics and electronics at the Naval Ordnance Plant in Indianapolis from 1947 through 1951, as a researcher in fluid flow and heat flow for Marathon Oil Company's Research Center in Denver, Colo., from 1956 through 1961 and with the Martin Company of Denver in 1961-62. He was an associate professor of mathematics at Colorado State University for four years prior to joining the faculty of Rose-Hulman.

Professor Bailey served as head of the mathematics department at Rose-Hulman from 1966 through 1974 when he was named vice president for academic affairs and dean of the faculty. In 1977 he left the administrative post at Rose-Hulman to devote full time attention to teaching.

His honors include induction into Tau Beta Pi, national engineering honorary; Sigma Xi (science honorary), Pi Mu Epsilon (mathematics honorary) and Eta Kappa Nu (electrical engineering honorary).

## Winkel founds new journal

Dr. Brian J. Winkel, associate professor of mathematics at Rose-Hulman Institute of Technology, has become the founder and editor of a second scholarly journal with the February, 1983, inaugural issue of "Collegiate Microcomputer."

Winkel, who founded and has edited "Cryptologia," a journal devoted to all aspects of cryptology (the deciphering of code) for seven years, says he is even more excited about the production of "College Microcomputer" because of "its very subject matter and the current excitement and future potential in the area of microcomputer use at the college level."

While there are many microcomputer magazines and journals on the market, Winkel believes "College Microcomputer" will be successful because it is the only journal which provides the forum for the exchange of information, applications, perspectives, and ideas related to microcomputers in the higher education environment.

The 96-page inaugural issue contained articles by nine faculty members from a wide range of institutions and academic disciplines, as well as special insight pieces by three young entrepreneurs who have founded leading edge companies in the rapidly emerging microcomputer industry.

Winkel sent 6,000 copies of the February issue to libraries and prospective readers, over 1,000 copies to prospective advertisers and about 400 copies to persons or organizations which were pre-publication subscribers.

A native of New York City, Winkel joined Rose-Hulman in 1981 after nine years at Albion College in Michigan and a one-year visiting professorship at Michigan Technological College. He earned a B.S. in mathematics at Wagner College in New York in 1964 and also studied at Michigan State University and the State University of New York at Buffalo, earning an M.A. at the latter institution in 1967. His Ph.D. in analysis and probability was earned at Indiana University in 1976.



Barbara Bailey Hutchison will appear tomorrow night at 8:00 p.m. in the Worx to entertain the students of Rose-Hulman. Admission is free and sponsored by the S.A.B.

## Seniors rate Rose

by Rob Jacoby

During the cold, bleak months of last winter, in the midst of a poor economic outlook and a scarcity of jobs, the seniors were asked to rate various aspects of Rose. Basically the survey polled the students on areas ranging from academic quality to the opinion of student life.

The survey, concluded by Pete Gustafson, was given to the department heads for distribution. In total about 160 seniors responded which was much better than the return of only fifteen responses in last year's poll. The breakdown of responses indicated some striking differences among the majors. Almost half of the returned surveys were from ME's (74), followed next by the Chem. E's (32), with the other majors turning in even fewer.

Overall the survey rated Rose well. 144 out of 162 seniors felt that the courses in engineering and science in their field of study were above average. The attitude of the faculty to the students was rated highly. In fact, most seniors (132 out of 157) felt that the quality of the preparation received at Rose was also better than average.

On the side of student life, the highest rated aspect was fraternity life. Despite the fact that most seniors live off

campus, the residence halls, the RA's and the SA's all received favorable ratings. The majority of the seniors (132 out of 151) also felt that the intramural program was better than average.

Of course there always has to be a few badly rated items. According to the survey, the worst possible at Rose had to do with the parking, ARA, despite a steady rise in acceptance over the past three years, finished third from the bottom in the poll. The student government also received a very bad rating.

Another rating was whether Rose should go coed. There was an increase over the survey taken in the students' freshman year towards coed, putting the pro and con responses of the seniors at about even. The attitude of the students of Rose was also rated about average.

Essentially the seniors rated the Institute well and also indicated what they felt were a few of the problems on campus. The results of this poll will be taken into consideration by the administration and not just filed away "for future reference," for there is no doubt that the seniors have expressed their opinions on the qualities of academic and student life here at Rose.

## Board approves promotions

The Board of Managers, which convened for its winter meeting on February 24th and 25th, has approved the promotion of Drs. Allison and Vuchinich to associate professor. Allison and Vuchinich also were granted tenure by the Board, as was Dr. Sanders. In addition, the Board also approved a sabbatical leave for Dr. Wagner. The Thorn

would like to congratulate Drs. Allison, Vuchinich, Wagner, and Sanders.

## IAA hosts military talk

by Cary Stokes

On Tuesday, March 29, the International Affairs Association and the Army ROTC Department will present Colonel Robert L. Clifford. Col. Clifford is a graduate of Princeton, Harvard, and the Army and Navy Staff College. His experience includes duties in Belgrade, Rangoon, Beirut, Karachi, the Caribbean, the Mediterranean, China, Burma, and India. He has served as U.N. Economic Adviser to the governments of Niger Republic, Sierra Leone, Burundi, Sabah State/Malaysia, and Western Samoa. He was also a part of the 462nd Strategic Intelligence Detachment from 1952 to 1964.

Colonel Clifford will speak on the "use of military power as an instrument of political strategy at superpower, regional and local levels." In recent years the Soviet Union has spent

approximately 11-13% of its GNP on defense compared to about 6.2% by the U.S. The Soviet Union presently has almost three times as many ground forces as the U.S., five times as many tanks, and almost three times as many submarines. Colonel Clifford will present brand new statistics on the present U.S. and U.S.S.R. arsenals. He will also discuss the present turbulent situations in third world countries and tell how the superpowers are using their vast military capabilities to influence these situations. The presentation will take place at 7:00 p.m. in E-104.

Other IAA presentations at Rose this quarter will include a discussion on trade and unemployment on April 13 and a speech by a German Consul on U.S.-German relations on April 20.

WANTED — A few good men (or women) to assist in the production of "Roar of the Greasepaint, Smell of the Crowd." The Drama Club needs people to help with set construction, lighting, sound, video, etc. for our current production. In addition, we need someone to assist with costumes. No experience is necessary (but we won't complain if you have some). If you are interested contact Paul Griffith (ext. 424 or 877-1908), Joh Rohlfing (ext. 362), or drop a note in box 880. Any assistance, be it as little as two hours, will be appreciated.



## Thorn conducts survey

For the past several weeks, The Thorn has been trying to publish the results of the "senior surveys," a survey given to this year's seniors asking them to rate various aspects of Rose-Hulman. Academics, job placement, food service, residence hall living and other topics we all rated on a numerical scale with space allowed for additional comments.

When asked by The Thorn to comment on the results, the administration omitted parts of the survey which it deemed "sensitive." The explanation given was that the survey had been compiled by the administration for administration use. While the information has been reviewed by the president and the dean of faculty, it is not apparently "open to the public."

There is no question that various aspects of the survey would be embarrassing to certain people if those people were named individually. However, the survey covered only general areas, not specific professors or employees. While the secrecy of such things as student grades and faculty evaluations should be kept intact, the survey results only indicated departments, not individuals.

There is a good reason, however, to let the students know which aspects of the school they are attending are the weaker ones. First, a survey involving a large sample space would give more accurate information than that of a smaller. When all the information an underclassman can get is rumors and personal opinion, it is no wonder that students feel that they have been misinformed. Second, some freshmen and even sophomores rely on this information to decide their major. While Rose-Hulman need not scare students in to transferring, it is only fair that the students have an idea of what they are getting into.

Third, some other organizations, namely the fraternities, have no qualms against being rated against each other (see Fraternity Rho, this edition). It promotes a type of constructive rivalry, which gets all participants to strive to be better.

To fill in this gap in the surveys, The Thorn is sponsoring its own survey. This survey, which is for all students (not just seniors), is shown below. Simply fill out the survey, cut it out of the paper and put it into the reddish-brown box across from the mailboxes. The results will be given two weeks from this issue, so submit the survey before April 2nd.

For the purpose of avoiding multiple votes,

Give I.D. number \_\_\_\_\_ Year: Fr. So. Jr. Sr.

Give initials \_\_\_\_\_

Major (circle)

ChE CH CE CS EE MA-Econ MA ME Ph

Rate the classes you have had in each discipline from 0-poor, to 4-excellent: (if none, circle D.N.A.) Include your own major.

Dpt.	DNA	Poor	Below Av.	Good	Above Av.	Excellent
ChE	DNA	0	1	2	3	4
CH	DNA	0	1	2	3	4
CE	DNA	0	1	2	3	4
CS	DNA	0	1	2	3	4
EE	DNA	0	1	2	3	4
MA-Econ	DNA	0	1	2	3	4
MA	DNA	0	1	2	3	4
ME	DNA	0	1	2	3	4

On the same scale, rate the placement office for

summer employment	0	1	2	3	4
permanent employment	0	1	2	3	4

Return to the box across from the mailboxes. Thank you.

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# Thorn EDITORIAL

## FRANKLY SPEAKING ....by phil frank



THIS SHOULD BE MY ACCEPTANCE TO MED SCHOOL.. YOU WOULDN'T KNOW HOW TO READ TURKISH, WOULD YOU?..

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## The THORN

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## • Letters to the Editors • Computer editorial too limited

Dear Thorn Editor:

I was glad to see your editorial "Are Computers Needed?" in the last paper of winter quarter; you raised a thorny issue to the attention of the Rose-Hulman community, as usual. You compared some expected benefits of widespread micro-computer use at Rose with the expected costs, and concluded that the school's present computer system will be sufficient for "years" to come.

However, I think your survey of the benefits of personal micro-computers was too limited. In particular, the potential benefits of word processing were neglected. My own experience and research has led me to believe that the use of micro-computers in word processing applications will be one of their major contributions to education. The voluntary increase of word processing on the 11/70 in

recent months indicates significant student interest in this. Considering the importance of written communication skills in the engineering profession, this factor seems to support school-wide adoption of micro-computers. Although most computer users at Rose-Hulman today are concerned with number-crunching calculations — and this must continue — there is no reason to restrict future applications to this sphere.

In addition, networking the microcomputers to one another and to the mainframe computers (over telephone lines, someday) would facilitate the necessary flow of software. Compatibility would require the purchase of nearly identical micros, perhaps from the same manufacturer. But since plans could be formulated and publicized well in advance of their implementa-

tion, there should be little opportunity to "force students to buy a computer which they might never have wanted, (or) perhaps even (to) buy a second one" for reasons of compatibility.

Thanks for opening this can of worms! Keep up the good work.

Sincerely,  
John Egleston

## Page 5 draws out "dry" wit


My dear Page Five editors,  
I take offense at the most recent article of February 25, 1983 appearing in your column. Being a Chemistry major, I feel it is my place to correct your obvious errors in the sentence "0.750 moles of gin is dissolved in 0.250 moles of vermouth..."

1) Any good chemist knows that it is the vermouth that is added to the gin.

2) Also, a good dry martini only requires two or three drops of vermouth per mug.

If this had appeared on one of my final exams, I certainly would have asked the professor to throw out the question, or at least allow us to "dry lab" it.

Name withheld  
by request  
Campus Box 938



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LICENSED BARBER — EAUCLAIAN



# Baseball Engineers trounce Fisk

by Don Corson

The Rose-Hulman baseball Engineers capped a very successful spring road trip by sweeping a three-game series from Fisk University on March 12 and 13 at Nashville, Tenn. The wins lifted Rose's record to 7-6 on the season.

Fisk, which will replace Illinois College in the College Athletic Conference next season, was no match for Rose-Hulman. The Engineers scored 52 runs on 41 hits in the series to raise their team batting average 47 points (from .246 to .293).

In the first game of the series, freshman starting pitcher Andy Jeffers (1-1) got seven runs in the first two innings en route to a 21-4 victory. Ron Bender led the hit parade with three hits and five runs scored. Andy Meyer, Scott Lowe, Jeff Ball, Kevin Cvangros, Mitch Cain, and Brent Mewhinney contributed two hits apiece.

**Junior Ed Canary** (2-1) pitched three innings of shutout baseball to get his second win of the season in game two as Rose romped to a 16-3 blowout. The Engineers again opened things up early, amassing nine runs in the first inning. Leftfielder Cain and catcher John Sauer each went three-for-three in the contest with Cain also driving in four runs. Steve Nowak added two singles while Lowe and Rob Wilson each tripled for the winners.

Game three was not a pretty sight for Fisk fans either as Rose triumphed, 15-3. Engineer ace Mark Kaiser worked four innings without allowing an earned run, struck out four batters, and walked none to raise his record to 2-1 for the young season. Freshman catcher Mark Carter was the offensive star as he drove in a pair of runs with two singles and a double in four trips to the plate.

Though the Engineers had a cake walk in Nashville, their initial ten games were not quite as easy. The trip began with a pair of doubleheaders at Southern Tech in Marietta, Ga., on Friday and Saturday, March 4 and 5.

In the season opener, Canary pitched a fine three-hit, one-run game but lost as the Rose-Hulman offense put seven goose eggs on the scoreboard. Rose could muster just four scattered singles in the game.

The hitting woes continued in the nightcap as Tech recorded another shutout victory, 6-0. Rose could manage just three singles in seven innings and only one Engineer baserunner got past first base. Starter Kaiser let up three runs in four innings and was tagged with the loss.

Rose-Hulman finally broke into the win column on Saturday with a 6-1 victory in the opener of the second twinbill with Tech. Scott Lowe pounded out two doubles and a single and drove in three runs to help sophomore starting pitcher Danny White go the distance to notch his first victory. White allowed only six hits and walked no one to earn the win.

**Southern rebounded** in the final game of the series to pin a 8-3 defeat on Rose. Tech rocked starter Brian Glaze with seven runs in the first three innings to drop the Engineers to 1-3 on the season.

Following the Southern Tech series, the Engineers were shut out on Sunday, 5-0, by Georgia College. Meyer and Cain each had a sigle to account for Rose's only hits.

Rose regrouped on Monday by downing Fort Valley State, 5-3,

in the opener of a twin bill. Freshman Andy Burtner (1-0) fired a six-hitter to pick up his first collegiate victory. The celebration was short-lived, however, as Rose dropped a 6-2 decision in the night cap.

The Engineers avenged their loss to Georgia College by sweeping a doubleheader (6-2 and 10-9) from the hosts on Tuesday. Lowe's fourth inning grand slam home run was the big blow in the opener. In game two, Danny White was called upon to snuff out a two-out, seventh inning rally to preserve the victory for Ed Canary.

In their final outing prior to the series with Fisk, the Engineers were soundly beaten, 12-3, by West Georgia College.

Rose-Hulman was scheduled to begin its regular season last Saturday, but inclement weather has already caused the cancellation of six games. Weather permitting, Rose will entertain St. Joseph' College for doubleheaders today and tomorrow.

All the results are in for last quarter's minor basketball and minor volleyball play-offs. The winner of the minor basketball league was Sigma Nu No. 3 (minor "E" champions) as they beat a strong LCA No. 4 team in the final game. In minor volleyball, the Off Campus team (winners of minor "B") took the crown when they beat Speed A. The indoor soccer leagues also finished play last week and in "AA" action, Scharpenburg captured first place with an 8-1 record. The rest of the top four, who will compete in the upcoming playoffs, are TVB, Independent No. 2 and Independent No. 1.

The spring quarter also hosts a lot of intramural activity such as the Open

## IM Sports Round-Up

by Dale Bennett

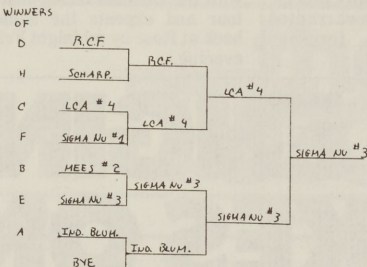
Basketball League, which began play last week and the Spring Softball Leagues, which start next Monday, March 28. Also, the popular IM Spring Track Meet takes place as teams from the different residence halls and fraternities compete for points toward the All-Sports Trophy.

Shown below are the results of the basketball and volleyball playoffs and also the 1983

Spring Sports Schedule.

**1983 Spring Intramural Schedule**  
Monday, March 28: Softball Leagues begin, 4:30.  
Monday, April 4: Athletic Managers' Meeting, 7:00.  
Tuesday, May 10: I.M. Track Meet, 4:30.  
Wednesday, May 11, I.M. Track Meet, 4:30.  
Monday, May 23: Final Exams Begin.

### MINOR BASKETBALL PLAYOFFS





## Daffynitions



by John Rohlfing

by John Rohlfing

Ask many a Rose student why he's here and he'll tell you he is after **The Job**. This column is the first of a series on occupations and what they entail.

archeologist — a man whose career lies in ruins.

consultant — a man who knows 49 ways to make love but doesn't know any girls.

diplomat — a man trained to solve the difficulties created by other diplomats.

editor — fiddler on the proof.

folk singer — fellow who sings through his nose by ear.

gourmet — man who is invited for an evening of wine, women

and song . . . and asks what kind of wine.

meteorologist — windfall prophet.

plumber — drain surgeron.

sexton — someone who minds his keys and pews.

soda jerk — a licensed fizician.

specialist — a doctor who has trained his patients to become ill during office hours.

statistician — a man who draws a mathematically precise line from an unwarranted assumption to a foregone conclusion.

## Glee Club tours

Twenty-four students will not be attending their classes today and have also missed yesterday's classes. These students are members of the Glee Club participating in its annual tour. Like past tours the Glee Club will be visiting mainly Alumni groups.

The tour, organized by Junior Mark Beitz, began yesterday morning and involves tours of the Cummins Engine Production Plant and Technical Center at Columbus, Ind., and General Electric at Louisville, Ky. Both will be followed by performances for the alumni groups in each city.

The Glee Club director Mr. James Schnabel will be traveling with the students throughout the tour and expects the students back at Rose by midnight Friday evening.

ΣΝ ΑΤΩ ΔΑΧΑ ΘΕ ΦΓΔ

## FRATERNITY

## RHO

by Jim Grimshaw

Delta Sigma Phi hosted a trade party with Chi Omega from Indiana State on St. Patrick's Day. The party was a rousing success.

On Sunday, March 20, Alpha Tau Omega hosted the Province XVII Conclave. One-hundred ten members from Indiana's six ATO Chapters participated in sessions that allowed the chapters to exchange ideas and experiences. One of the main goals of the conclave was to foster the leadership capabilities of underclassmen who will eventually assume officer positions. Emphasis was placed

on membership recruitment, alumni relations, chapter finances, fund raising and membership education.

On Saturday, March 19, Lambda Chi Alpha had their annual house cleaning.

Sigma Nu had top grades among fraternities last quarter. The GPA's of each fraternity are:

Sigma Nu	2.881
Theta Xi	2.803
Fiji	2.726
CA	2.721
ATO	2.605
Triangle	2.586
DSP	2.430

## O'Club starts Spring cold

The spring season began somewhat cold for the Rose Orienteering Club when five members traveled to Carbondale, Ill., this past weekend for a two-day 'A' meet sponsored by the Southern Illinois Orienteering Club.

Freshman John Vierow and Steve Stier both turned in excellent performances on the Intermediate difficulty Orange Course, while the team made up of Seniors Darin Ridgway, Andy Hill and Junior Kris Bachman finished in the top five on the Advanced difficulty Red course.

Upcoming away meets for the Rose OC include the Missouri championships on April 9-10 in St. Louis, the Intercollegiate Championships on April 16-18 in New Jersey, and a two-day 'B' meet on May 14-15 in Athens, Ohio. A local meet will be held this Saturday with starts from 11 a.m. to 3 p.m. with Rose OC T-shirt prizes to be given to the top two finishers in both the beginner and advanced categories.

## Student Photo Show underway

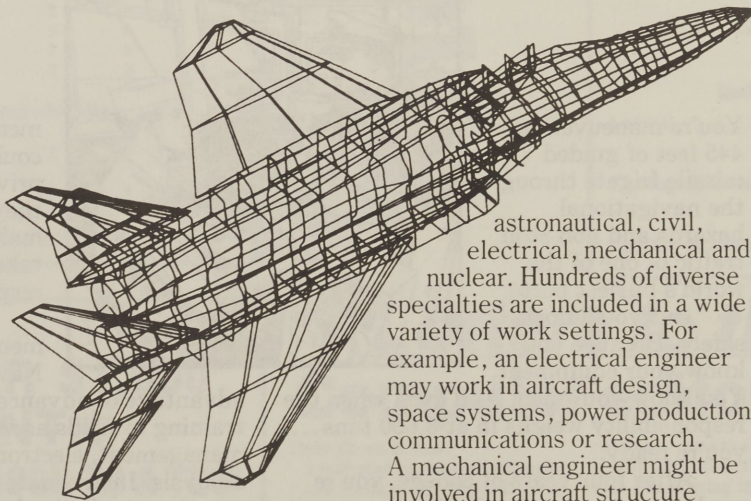
Once again Rose-Hulman will be having its annual Student Photo Show. This year's categories for photos will be:

Engineering as Art  
Human Aspects: Triumph, Trauma and Tranquility  
Our Urban Landscape  
Open

Over \$350 in cash prizes will be awarded. The photo judged "Best in Show" will win \$100. Since this photo is necessarily in one of the four above categories, it will also be considered to be the First Place in its category. The remaining three categories will have \$50 First Prizes. In addition, there will be a \$25 second prize in each category, as well as a \$10 third prize in each.

All entries must be mounted 5"x7" or 8"x10" prints. Framed entries will also be accepted. Each entry must have a title and specify the category in which it is to be entered. All Rose-Hulman students are encouraged to enter. Multiple entries are allowed. The deadline for entries is April 29, 1983. Entries should be submitted to Professor Vuchinich (Office A-235). The Rose-Hulman Student Photo show is sponsored by the Pawley Fund and the H.S.L.S. Division.

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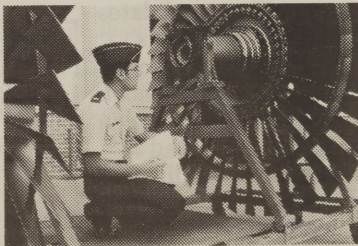


Air Force electrical engineer studying aircraft electrical power supply system.

Engineering opportunities in the Air Force include these eight career areas: aeronautical, aerospace, architectural,

astronautical, civil, electrical, mechanical and nuclear. Hundreds of diverse specialties are included in a wide variety of work settings. For example, an electrical engineer may work in aircraft design, space systems, power production, communications or research. A mechanical engineer might be involved in aircraft structure design, space vehicle launch pad construction, or research.

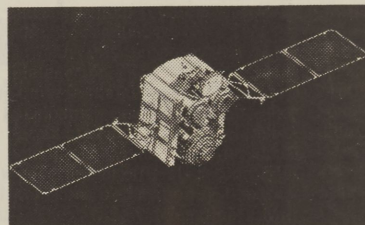
### PROJECT RESPONSIBILITY COMES EARLY IN THE AIR FORCE



Air Force mechanical engineer inspecting aircraft jet engine turbine.

Most Air Force engineers have complete project responsibility early in their careers. For example, a first lieutenant directed work on a new airborne electronic system to pinpoint radiating targets. Another engineer tested the jet engines for advanced tanker and cargo aircraft.

### OPPORTUNITIES IN THE NEW USAF SPACE COMMAND



Artist's concept of the DSCS III Defense Satellite Communications System satellite. (USAF photo.)

Recently, the Air Force formed a new Space Command. Its role is to pull together space operations and research and development efforts, focusing on the unique technological needs of space systems. This can be your opportunity to join the team that develops superior space systems as the Air Force moves into the twenty-first century.

To learn more about how you can be part of the team, see your Air Force recruiter or call our Engineer Hotline toll free 1-800-531-5826 (in Texas call 1-800-292-5366). There's no obligation.

## AIM HIGH AIR FORCE