Student fees at work? New signs are at issue

ATTENTION STUDENTS - Signs posted around campus describe where registration fees are going. - Photo by Alicia Tyson

Milk mustache campaign moves into second phase

Erik R. Templeman
News Writer

Road signs posted along the newly paved portions of South Campus roads, intended to explain the funding behind the street repairs, have themselves become controversial to some students.

The signs indicated that the repaving of the roads, as well as that of the Administrative Science building parking lot, was funded with revenue from the vehicle registration sticker fees.

Dave Brown, assistant vice president of Facilities and Operations, pointed out the tension that exists in any institution in which different bodies compete for appropriations. The signs were desirable, he insisted, because “any time a large amount of funds is expended” -- in the case of the South Campus road project, $189,912.06 -- “it is somewhat controversial.”

According to Brown, “the signs served two purposes: to let people know what was going on, and to let people know that the funds were not coming out of the general operating funds. They were coming from funds that were from the vehicle registration fee program funds.”

But, it is the price tag of the signs themselves, which Brown estimated to have been $300 or $400, that raised the hackles of some students.

Andrew Fanning, a freshman computer science major, found irony in the situation. “It’s an oxymoron,” said Fanning. “[The administration] wants to show us that they’re not wasting our money so we won’t get mad. But they’re doing it by wasting our money on $400 signs.”

Another freshman computer science major, Royal Meservy, likewise suspected the signs were posted for self-serving reasons. “People were probably wondering where that $15 goes and there were probably a bunch of complaints and the office got tired of the complaints and calls,” said Meservy. “That’s probably why they put the signs up. So for the people in the office, that probably wasn’t a waste of money. Me, personally, I could care less, so it’s a waste of money for me.”

Indeed, assistant vice president of Facilities and Operations, Meservy, likewise suspects the signs were posted for self-serving reasons. “People were probably wondering where that $15 goes and there were probably a bunch of complaints and the office got tired of the complaints and calls,” said Meservy. “That’s probably why they put the signs up. So for the people in the office, that probably wasn’t a waste of money. Me, personally, I could care less, so it’s a waste of money for me.”

Special to The Exponent

“Ein prosit! Ein prosit! der gemuetlichkeit,” is a german phrase meaning “A toast to good times!” The well wishes will be repeated time and time again when the twentieth-annual Birmingham Oktoberfest gets underway Sept. 20-21 at Sloss Furnaces Historic Landmark, 2nd avenue N. and 32nd Street N.

Providing this year’s music will be the Straton Mountain Boys, an Austrian dance and show band, and The Mittenaechters, a German band. They will perform authentic German and Austrian music for dancing and listening. In addition, on Saturday afternoon, Gene Rogowski will entertain with his electronic-music equipment. One can enjoy a selection of delectable German and non-German foods and desserts, along with domestic and German beverages, with drinks and coffee.

How do you think the fees at UAH should be spent?
SouthTrust creates Internet Web site


“Anyone with access to the Internet can view SouthTrust's web site, and we are delighted to offer our customers and potential customers the opportunity to learn more about SouthTrust and its products on-line,” said Malone. “We are committed to offering the highest level of customer service, which includes alternative delivery methods, such as our web site.”

Andy Hernandez, vice president of alternative delivery systems for SouthTrust and coordinator of the site, said, “SouthTrust's web site has several innovative features, such as the ability to communicate directly with the bank through an electronic mail option and interactive calculators. These interactive features provide useful information that will bring on-line computer users, commonly known as visitors, back to our web site. For example, some mortgage calculators are available at the web site for homeowners and those interested in purchasing a home. One calculates the equivalent mortgage amount a consumer could have if he wanted to keep his mortgage payments the same as his rent. The next helps the visitor gauge how expensive of a home he or she can afford to purchase. Another estimates the visitor’s monthly payment amount on a home loan. Designed for the home owner, there is a calculator to estimate the future value of the visitor’s home after his mortgage has been paid off, and one that shows a year-by-year mortgage amortization table. On-line calculators are also available to estimate the monthly payment on a car, boat or any installment loan. The site even offers visitors a savings account calculator that will project the future value of their current savings account.

Also within its web site, SouthTrust offers a comprehensive on-line product catalog covering topics from checking and savings accounts to loan information. Shareholder information is also available, as is information on services for business customers.

“SouthTrust is committed to alternative delivery systems and will continue to investigate and invest in future technologies based upon consumer readiness,” added Malone.

SouthTrust Corporation is a $23.6 billion bank holding company operating banks with more than 490 offices in Alabama, Florida, Georgia, Mississippi, Tennessee and the Carolinas.

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STUFF TO DO:

Thursday, September 5
11:00 a.m. - Noon: UAH Library Training Sessions, UAH Library, Library Systems. For more information contact Margo Mead (890-6418), Susan Herring (890-6432), or Wayne Kendrick (890-6182).
8:00 p.m.: Image of Christ Bible Study, UC 127. Current Series: Relationships. For more information contact William W. Vaughan at (F)922-5755, or by email at William Vaughan@atmos.ua.edu.
3:00 p.m. - 4:00 p.m.: UAH Library Training Sessions, UAH Library, First Search. For more information contact Margo Mead (890-6418), Susan Herring (890-6432), or Wayne Kendrick (890-6182).

Saturday, September 7
All Day: UAH Volleyball, UAH Tournament, Home (West Georgia, West Alabama, St. Leo, Mississippi-Women, King College, Southern Indiana, Alabama A&M). For more information contact the Athletic Department at 880-6144.
3:00 p.m. - 4:00 p.m.: UAH Women's Volleyball, UAH Cross Country, Alabama A&M. For more information contact the Athletic Department at 880-6144.

Sunday, September 8
Noon: UAH Women's Soccer vs. Tusculum, Away. For more information contact the Athletic Department at 880-6144.
2:00 p.m.: UAH Women's Soccer vs. Jacksonville State, Away. For more information contact the Athletic Department at 890-6144.
2:00 p.m. ET: UAH Men's Soccer vs. Carson-Newman, Away. For more information contact Margo Mead (890-6418), Susan Herring (890-6432), or Wayne Kendrick (890-6182).

STUFF TO DO:

Monday, September 9
Study Today!

Tuesday, September 10
Study Today!

Wednesday, September 11
12:30 a.m. - 1:30 a.m.: Weekly “Brown-Bag” Seminars, GHCC Room D101. Featuring Sander Christopher on Biomass Burning, Fires, CO and Radioactive Fuming. For more information contact William W. Vaughan at (P)922-5759, or by phone at 890-6144.
2:00 p.m.: UAH Women's Soccer vs. Carson-Newman, Home, Charger Field. For more information contact the Athletic Department at 890-6144.
3:00 p.m. ET: UAH Men's Soccer vs. Lincoln Memorial, Away, Gulf South Conference game.
4:00 p.m.: Cineclub Francais presents Le Cinema de la France Profonde: Marcel Pagnol Then and Now, Mom's. For more information contact Caroline MClendon at 259-4296.
8:15 p.m.: Huntsville Symphony Orchestra celebrates the 1996/97 Pops season featuring the Canadian Brass, VIBC Concert Hall. For more information about Season Tickets, single Tickets, or Flexi-Tickets, call the Symphony Office at 539-4818.

Like writing? We need News reporters, NOW! Come by The Exponent

Soccer vs. UNA, Away. For more information contact the Athletic Department at 890-6144.
2:00 p.m. ET: UAH Men's Soccer vs. Martin Methodist, Away. For more information contact Margo Mead (890-6418), Susan Herring (890-6432), or Wayne Kendrick (890-6182).

Thursday, September 12
8:30 p.m.: UAH Women's Soccer vs. Carson-Newman, Home, Charger Field. For more information contact the Athletic Department at 890-6144.

Friday, September 13
All Day: UAH Volleyball, Mississippi Women Tournament, Away. For more information contact the Athletic Department at 890-6144.
2:00 p.m.: UAH Men's Soccer vs. Central Arkansas, Charger Field, Gulf South Conference game. For more information contact the Athletic Department at 890-6144.
3:00 p.m.: UAH Women's Soccer vs. Carson-Newman, Home, Charger Field. For more information contact the Athletic Department at 890-6144.

Saturday, September 14
All Day: UAH Volleyball, Mississippi Women Tournament, Away. For more information contact the Athletic Department at 890-6144.
Danny DeVito and Rhea Perlman, Olympic gold medalist Florence Griffith Joyner, supermodel Tyra Banks and the sportscasting trio of Frank Gifford, Bob Costas and Al Michaels join the ranks of other mustache celebrities who have helped shatter misconceptions about milk.

The new ads, which debut in July and August issues of more than 80 national magazines, will continue to use personal milk-drinking testimonials to help educate and motivate. Each celebrity quote is crafted to remind consumers what many have forgotten—or never knew—about the benefits of milk and to convince them to fill their glasses again. The ads conclude with the campaign’s new tag line: “Milk. Where’s Your Mustache?”

“At a time when surprising women with nuggets of information about milk that they were unaware of, we’ll be doing the same thing with our new targets in a way they’ll understand,” said Kurt Graetzer, executive director of the education campaign program sponsored by the National Fluid Milk Processor Promotion Board.

“We’ve seen tremendous results in our first year targeting women, but it will take a broader effort if we’re to help bring milk back into the diets of all Americans who are missing out on the calcium and other nutrients milk provides.”

The short-term objective for the first phase of the milk processor education program was to improve attitudes about milk and address the reasons why women are drinking less milk. Follow-up research conducted by Roper Starch Worldwide, which helped identify the “barriers” to milk consumption at the start of the program, showed a significant shift in women’s perceptions of milk as a nutrient-dense beverage that plays a vital role in a healthy diet.

“We now must tap into consumers’ improved attitudes toward milk to increase consumption,” Graetzer said. “Research shows we’ve made great strides in correcting common misconceptions about milk that seem to be impeding the campaign.”

One of the women who said they were drinking less milk prior to the program launch, the number one reason given was concern about fat content. The follow-up research showed a significant decline in the number of women who believe milk is high in fat (falling from 32% in 1994 to 27% in 1995) and calories (falling from 31% to 28%). There was an increase of 17% who thought that milk’s health benefits far outweigh fat and calories.

The year-long campaign heavily emphasized the attributes of skin and milk—a message that was successfully delivered, research shows. According to the national survey, more young women (+18%) now identify skin milk as a good beverage choice when dieting. An additional 14% thought milk can be low in fat and 15% and 17% more, respectively, thought milk is high in calcium and high in vitamins and minerals. As far as milk being kids’ stuff, 22% more women now believe milk is important for adults, too.

While drop-offs in milk consumption occur when girls turn 12, the downward slide for boys typically coincides when they first leave home at age 18. Since college-age bodies are still building bone density, the existing calcium shortage has experts concerned. Three out of four college-age students fail to get the calcium they need (1,200 to 1,500 mg per day).

“College is a period when students face a lot of time demands,” McCarron said. “Physical and nutrient demands are also high, and food choices now can influence a young person’s health today and in the years to come.”

McCarron said students need to think about what’s filling their glasses. Milk not only helps meet calcium requirements, it offers a unique package of eight other nutrients that is difficult to find elsewhere. Research indicates that diets low in calcium are commonly low in other essential nutrients as well, including vitamins A, B-12, riboflavin, phosphorus and protein. Since milk is a good source of these nutrients, McCarron said, increased milk consumption can help improve the overall nutritional adequacy of the diet.

A common assumption is that osteoporosis is a woman’s disease. But in reality, one out of every five victims of this crippling bone disease in the U.S. is male, McCarron said. And while men consume a little more milk than women do, about 60% of adult men still fall short of meeting optimal calcium levels. The popular sportscasters Gifford, Michaels and Costas and the husband wife duo of DeVito and Perlman help underscore the importance of milk for both women and men.

Recent research points to additional reasons men need to drink up when it comes to milk. Calcium in milk not only helps strengthen bones, but many studies indicate adequate calcium intake may also play a role in reducing blood pressure. High blood pressure or hypertension affects one out of every four adults, and it is a major risk factor for heart disease.

“It’s hard to beat skim milk as a source of calcium,” according to researcher Suzanne Oparil, M.D., past president of the American Heart Association. “And the evidence pointing to calcium as a contributing factor in heart disease. And the program will continue to target women with specific messages about the value of milk. Fleet-footed Florence Griffith Joyner is the first of many women who will share their milk testimonials this year to encourage other women to reach for milk.

Women are the population segment most likely to fall short on the calcium they need; nine out of 10 fall below NIH calcium recommendations. While adequate milk intake during adolescence has the most profound effect on bones later in life, McCarron said calcium-rich milk consumed by women in their 20s and beyond can help significantly, too. Bones continue to grow in density until age 35. The new ads, created by New York-based Bozell Worldwide, Inc., will debut in July and August magazines, including Time, Newsweek, People, Life, Rolling Stone, Vanity Fair, Better Homes & Gardens, Gourmet, Woman’s Day, Glamour, Cosmopolitan, American Health, Men’s Health, Sports Illustrated, GQ and Teen.

The campaign, which ranked at the top of the Video Storyboard Tests annual survey of 1995’s most popular print ads, also includes a series of booklets about milk for all stages of life. The booklets are available free by calling 1-800-WHY-MILK (1-800-949-6455) or by visiting the new Milk Web site http://www.whymilk.com. Registered dietitians and nurses are also available to answer specific questions about milk.

Developed under the guidance of the National Fluid Milk Processor Promotion Board, an organization funded by U.S. milk processors, this multi-faceted program was initiated to change attitudes and correct misconceptions about milk and to increase consumption.

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MD 207
MW:9 - 10
10 - 11:15*
1:30 - 4
5:30 - 7:30

TR: 9 - 1
2 - 6:45

FRI: 9 -10
10 -11:15*
1:30 - 2
2:30 - 4:30

* Tutor in Md 223
### Oktoberfest from page 1

In addition, one can select gift treasures from the gift shop.

Festival hours are as follows: Fri., September 20, 5:00 p.m. - midnight; Sat., September 21, 1:00 p.m. - midnight.

Tickets are $5.00 per day for adults, $4.00 per person for groups of 20 or more, and children under 12 free. The price of tickets does not cover the cost of food, beverages or gifts. Purchase tickets at the door.

A portion of the proceeds will go to the Zazora Teatro Hospital Transportation Fund. The fund is used to transport burned and crippled children to the Shrine Burn Hospitals.

Birmingham Oktoberfest founder and sponsor is Freunde Deutscher Sprache und Kultur, familiarly known as FDSSK, or just "The German Club", a non-profit German-American club organized in 1965 by a group of Birmingham Germans and others interested in German language and culture.

In 1966 the club purchased a 3,600-square-foot building which serves as their meeting hall.

As the spelling of their nation indicates, Germany is a band which specializes in German and Austrian music. Among the five, the band sings (in German and English), yodels and plays drums, accordion, synthesizer, trumpet, fluegelhorn, alphorn, guitar, tuba, cow bells, and baritone horn. This variety of instruments affords them great versatility which they feel can only benefit their listeners. Taking pride in their music, they offer a wide selection of polkas, waltzes and variety music. For many years, the group has performed at Oktoberfest throughout the southeast. Last year, they made a trip to New Orleans to perform at the "Wurstfest," one of the nation's best known and oldest festivals.

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### Special Announcement

The Department of Communication Arts will hold an open house in its new Student Study in 302 Morton Hall, from 9:00 a.m. to 4:00 p.m. on September 11, 1996. The Studio houses a library of books covering the breadth of communication studies: public speaking, rhetorical theory and criticism, argument theory, technical communication, interpersonal communication, organizational communication, group communication, theater, and so forth. Two desks and several chairs provide Communication Arts students a place to sit and study. Announcements, syllabi for CM courses, brochures, newsletters, and other information also will be available to students using the studio.

Dr. Clarke Roundsree, Acting Chair of Communication Arts, spearheaded the conversion of the department's student assistant office into a student study. He reports: "I wanted to address two problems with this Student Study: First, I wanted students in my department to have a quiet place to sit and study between classes and, second, I wanted to provide a common gathering place for our majors and minors to get to know each other, to form a community." Dr. Roundsree got the inspiration for his idea to develop the study: "Michelle Tucker, one of recent graduates, lived in Fayetteville, Tennessee and commuted to UAH. Inevitably, I'd climb to the third floor to my office and find Michelle sitting in the lobby area, trying to study during the two, three, even four hours until her next class. I thought, 'We've got to do something to improve the quality of our students' lives.'"

The Student Study also serves as a point of access for senior Communication Arts students to use an extensive library of communication journals stored in an adjoining office. "Eventually," reports Dr. Roundsree, "we hope to set up a computer in the adjoining office which our students can use to work on term papers and access the Internet as well." In the meantime, Communication Arts students have access to the Student Study from 8:30 a.m. to 4:30 p.m. Monday through Thursday.

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### Playboy College sex survey released

American college students are having longer and more sexually creative relationships with a regular partner, according to a new survey in the October issue of Playboy magazine (on sale Tuesday, August 27). The poll shows that nine out of ten students are sexually active - more than the Kinsey Institute's 1991 figures of 80 percent for men and 73 percent for women. About half of them are having sex at least once a week.

"Most of our respondents practice sexual monogamy, according to 'Playboy's College Sex Survey,'" by Marty Klein and James R. Petersen. Designed to solicit unguarded answers about fantasies, emotions, public sex, masturbation, one-night stands, orgasms, oral sex and condoms, the survey showed that 57 percent of the men and 71 percent of the women said they had had just one sexual partner in the past school year. About one-third of the men and women, however, admitted to having intercourse with someone other than their steady partner.

Three out of four college students discuss sexual fantasies with their partners, according to Playboy. Many have experienced such activities as spanking, tying up someone or using a mirror with a partner; fewer are familiar with using such props as a blindfold or vibrator. Sixty-six percent of the men and 45 percent of the women reported acting out an erotic scene copied from a mainstream movie. Recalling the controversial song, "Free Love" from the 1969 film "Easy Rider," one woman said, "The worst part of sex was when the guy in the movie said 'free love' and it got me thinking about the AIDS virus and other diseases that their sex lives would not change.

To test the effectiveness of so-called "condom codes" that ban intimate relationships between students and teachers, Playboy asked students if they had ever had sex with an "authoritative figure." Sixty-six percent of the women admitted that they had. More than half of the men and 40 percent of the women said they felt guilty. We're out of date, a 21-year-old student at Michigan's Ferris State. "It's uncomfortable to have to say no when you're trying to be lovable and doing something romantic. Having to say no means giving up." Male respondents disagreed, however, expressing the belief that female students complain about the "condom code" because they are not interested in sex with their teachers.

"The survey also revealed that: "More women (24 percent) than men (15 percent) feel that oral sex is more intimate than intercourse, yet when asked, 'Is oral sex real sex?' only 52 percent of the men and 46 percent of the women said yes. One virgin at San Francisco State had had oral sex with ten partners. "Another half of both men and women said they did not expect to lose their virginity when they went to college. "Twenty-four percent of women said they never achieved orgasm during intercourse, compared to only one percent of men. "More female than male students claim they masturbate in front of a partner; 21 percent of the women did so, compared to just 12 percent of the men. "Surprisingly, more than half the men and 42 percent of the women have had sex in front of others, either in parked cars or at parties. "Nearly half of the women who shaved their pubic hair for a sexual reason - compared to only 28 percent of men. "Playboy's College Sex Survey" was compiled from responses from more than 1000 students who completed a 52-item sex survey (plus ten essay questions) that was not identified as a Playboy project. Participating schools were: San Francisco State; Central State University, Edmond, Oklahoma; California State, Los Angeles; the University of North Carolina at Chapel Hill, University of North Carolina at Charlotte; Ferris State, Michigan; the University of Texas, Austin; Pacific Lutheran University, Tacoma and the University of the Pacific, Stockton, California.
Editorial

Liberal Arts and you at UAH

Andrew J. Dunar

“T hat history. I could never understand those dates, and it was my worst subject in high school.”

“I love history, but I need to study something that will get me a job.”

Students who hate history and students who love history have both found reasons to look elsewhere for perspectives and majors. But now there is good news for both history lovers and history haters. Whatever your previous views with the time to take another look!

History haters will find that history courses are not date-memorization factories. Often students who hated history in high school find that it is one of their favorite subjects in college, in part because college history courses are often taught differently, and in general these students themselves become more aware of the world around them and of the importance of the past. History provides a window on the past, present, and future. No matter what your interests may be — business, science, medicine, engineering, or any of the other disciplines in the liberal arts, studying the past will help you deal with today's world. It will give you perspective to enable you to approach today's problems with the benefit of the experiences of those who have previously worked in the same field. The skills you develop in history classes include writing, gathering and organizing and evaluating information; analyzing issues; and speaking and arguing persuasively. Students learn to deal with complexity, and to judge what is important.

The skills developed in history classes are valuable tools for anyone to have, and history lovers can rest assured that employers are aware of this. Increasingly, businessmen have come to recognize that history majors have the broad training that will make them valuable employees. Communication skills and the ability to research and analyze information are more valuable to employers or professional schools than knowledge of subject matter, which can quickly be learned on the job by astute history majors. The old cliché that “all you can do with a history major is teach” is so long out of date that it can be cast in the dustbin of history, although for those who do want to teach, history remains an exciting option. History majors go on virtually all these fields these days, and find that the skills they developed as undergraduate history majors serve them very well in their chosen fields. Careers in law, communications, and business are all fair game for history majors, but even these options do not exhaust the possibilities. Last year's outstanding UAH history major, for example, is now in Medical School at the University of Alabama in Birmingham.

"Careers in law, communications, and business are all fair game for history majors, but even these options do not exhaust the possibilities. Last year's outstanding UAH history major, for example, is now in Medical School at the University of Alabama in Birmingham."

Mr. President: Send humans to Mars

Robert Zubrin

O n August 6, 1996, NASA scientists announced a startling discovery revealing strong circumstantial evidence of past microbial life within Antarctic ice samples that had previously been ejected from Mars by meteoric impact. The evidence includes complex organic molecules, magnetite and other typical bacterial mineralized residues, and void structures consistent with bacterial forms.

The public response to this discovery has been electric, with bumper stickers in thousands of leading newspapers, non-stop coverage on CNN, and a call by President Clinton for a national space summit to reconsider the future strategy and priority of the American space program by the end of the year.

Said Clinton: “The American space program will put full intellectual power and technological prowess behind the search for further evidence of life on Mars.”

“For if the discovery can be confirmed it will surely be one of the most stunning insights into the universe that science has ever uncovered.”

The President’s move could not have been better timed or better focused. Despite the greater distance to Mars, we are much better prepared today to send humans to Mars than we were to launch humans to the Moon in 1961 when JFK committed the nation to that goal.

Cost is not the central issue either; NASA’s average budget during the period 1961 to 1973, when it built up from near-zero space capability to storm heaven with the Mercury, Gemini, Ranger, Surveyor, Mariner, MER, Apollo, and Skylab programs (and performed most of the development for Pioneer, Viking, and Voyager as well) was $15.4 billion in 1994 dollars.

That is only 18 percent greater than NASA’s current budget.

The problem is not lack of money but lack of focus and direction. For the past two decades the US space program has floundered without any central motivating goal.

As a result, funds have been spent at a rate comparable to that of the 1960’s without producing anything of any significance, or even any new technologies whose resulting economic spin-off is still unfolding today.

The space program of the 1960’s was an invitation to every youth in the nation to join in a great adventure by developing their minds.

Today, such an invitation is absent, and the result is the existential Generation X.

The inspiration to educational achievement in science and engineering that a Mars program would provide would be a sound investment in the intellectual capital of the nation, the true source of all our future wealth.

What the Moon program was in the 1960’s, a Mars program can be today.

It can mobilize not only our space program, but the nation’s R&D capabilities and educational system.

The recent discovery of evidence of past life on Mars is probably the tip of the iceberg in revealing the wonders that will come to light when a whole new world is open to human exploration:

Furthermore, in sending humans to Mars we would be taking the first step towards opening a new frontier in which a new and dynamic branch of human civilization can be created.

Future ages will recognize this as the greatest and most enduring of all our achievements.

Seize the time, Mr. President.

Dr. Robert Zubrin's editorial was released on the Internet. Dr. Zubrin is Chairman of the Executive Committee of the National Space Society.

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Russian TU-144 to be used in joint research program

Jennifer Lewter
Science and Technology Editor

The United States and Russia are working together on a flight research program whose significance to the U.S. is “to obtain flight-measured information that will enhance United States knowledge of supersonic transport characteristics,” said Russ Barber, NASA TU-144 Project Manager.

NASA started a High-Speed Research (HSR) program in 1990, and NASA along with United States industry are developing the technology to build America’s own High-Speed Civil Transport (HSCT).

Currently, the only supersonic passenger jets in the world are Russia’s TU-144 and France/Great Britain’s Concorde, both of which fly around Mach 2.1 (2.1 times the speed of sound) and can carry approximately 135 passengers.

Alexsei Tupolev, son of the late creator of the original TU-144, Andrei Nicholayvich Tupolev, stated that the Americans were right to use the TU-144, since it is “a little better” than the Concorde.

“Using the TU-144 is a perfect fit between our needs and their capabilities. It’s a model for cooperative technology programs with Russia,” said former NASA High Speed Research Program Director Louis J. Williams.

“It’s ironic that former Russian and American bomber manufacturers are now working together on a civilian program,” said Williams.

As a modified TU-144 was rolled out of its hangar at the Zhukovsky Airfield earlier this year, the Russian Army Choir sang “America the Beautiful” in symbolic honor of the program.

For the actual testing, the original engines are being removed from the TU-144 and will be replaced with newer and larger NK-321 augmented turbofan engines, originally made for Russia’s TU-160 military Blackjack bomber.

Testing of the TU-144 will take place as soon as the final engine transition has been made. All test flights will be at NOT YOUR ORDINARY PASSENGER PLANE — A modified Russian TU-144 supersonic passenger jet is rolled out of its hangar at the Zhukovsky Airfield to symbolize the start of a joint six-month flight research program between NASA, a U.S. industry team, and the Russian aeronautics establishment. — Photo courtesy of NASA

the Zhukovsky Airfield in Russia.

The future United States HSCT may look a little different than both the TU-144 and the Concorde, however.

The new “windowless cockpit” technology (earlier described in The Exponent, Volume 26, issue 18), where computer-generated graphics actually take the place of windows in the cockpit, may be a critical factor in determining the new design of a next-generation supersonic passenger jet.

According to a NASA news release, “The next-generation HSCT will fly 300 passengers at 2.4 times the speed of sound — crossing the Pacific or Atlantic in less than half the time presently required on modern subsonic, wide-bodied jets.”

So when will the public get to ride in this slick new bird? “There are indications that an aircraft like this (a United States HSCT) could be operational late in the next decade,” said Barber.

As far as ticket pricing, however, NASA claims it will be affordable, “estimated at less than 20 percent above comparable subsonic flights,” according to the news release.

“The truth is, that those who have never entered upon scientific pursuits know not a tithe of the poetry by which they are surrounded.” — Herbert Spencer

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NASA group proposes two year extension of Galileo Mission

**David Hewitt**
Sci. & Tech. Writer

Right after a NASA-led team announced to the world that a Martian meteorite contained microfossils, planetary scientists jumped up and out of the possibility of life on Jupiter's icy moon Europa.

To help study that possibility, a group of NASA scientists at the Jet Propulsion Laboratory in Pasadena, CA are proposing to extend the mission of the Galileo spacecraft by two years.

Currently, Galileo's mission is scheduled to end in December of 1997 even though the spacecraft will still be operational. The extended mission would spend another year studying Europa, six months of extended imaging of Jupiter, and another two months studying Io, Jupiter's volcanic moon.

Galileo has already had quite a journey. It was originally scheduled for launch aboard the space shuttle in 1989, but was delayed by a gravitational slingshot as it passed through the inner solar system. It needed to fly by Earth again in order to give it a final boost toward Jupiter.

In 1992, Galileo again flew by Earth, this time using its solar panels to do the first remote sensing of the moon which proved groundwork for future lunar missions like Clementine.

After the second Earth encounter, Galileo finally had enough velocity to reach Jupiter, but it needed a minor course correction to send it straight to Jupiter.

Another significant event occurred during the Earth encounter when ground controllers commanded Galileo's high-gain antenna to deploy, but the mechanism deploying it jammed and the antenna was useless.

That also meant the loss of 70% of science collected at Jupiter because Galileo would be forced to record every encounter on comput­er tape, and slowly relay it back through its second antenna at a much slower speed.

After the flyby of Earth, Galileo was slingshotted into the Asteroid Belt where in 1991, the first ever close-up images of an asteroid were sent home.

Asteroid 951 Gaspra was imaged as Galileo used it as a gravitational slingshot back into the inner solar system. It needed to fly by Earth again in order to give it a final boost toward Jupiter and had a unique view of the impacts of the fragments of Comet Shoemaker-Levy 9 in 1994.

Galileo's view was the only direct view of the impacts, but the images were not seen by Earth for another two months.

Finally in July of 1995, Galileo released its most important experiment: the atmospheric probe that would slam into Jupiter's atmosphere some months later.

In December of 1995, the probe entered Jupiter's atmosphere and recorded the data and did a burn of its main engine for orbital insertion of December 7.

And thus began Galileo's mission to study Jupiter and its moons.

Earlier this year, Galileo flew by Jupiter's largest moon and relayed back images of a chaotic, icy crust 17 times the resolution of Voyager 2.

Jupiter's moon Europa was imaged at close resolution in June, and the most recent images relayed back are of Jupiter's violent moon Io and a volcanic eruption coming from it.

**C.L. Smith**
Sci. & Tech. Writer

The quest for the perfect fat substitute is not merely a devotion to the idea of having your cake and eating it too. Millions of diet-conscious consumers would make its inventors rich.

A recent entry, announced last week, comes from the United States Department of Agriculture's Agricultural Research Service in Peoria, Illinois. Z-Trim is a powder made from pulverized agricultural by-products such as hulls from oats, soybeans, peas, rice, corn, and wheat. In food, the powder absorbs water and simulates the texture of fat.

The researchers say it is perfectly safe when consumed in normal amounts, and will not upset the digestive tract. Inventor George Inglert said the fake fat can supply and will not upset the digestion, moisture, density, and flavor of food, the powder absorbs water and simulates the texture of rice, corn, and wheat. In addition, Olestra is a fat-based fat substitute that can withstand a gravitational slingshot as it passes through the digestive system.

The speedy trip through space makes Olestra a zero-calorie food, but it has some inconvenient side effects. First, it can give people the runs when consumed in large amounts. Second, it has been shown to absorb and deplete the body of fat-soluble vitamins A, D, E, and K.

Procter & Gamble has agreed to add these vitamins into the foods to make up the difference. But they are having a more difficult time stomaching the FDA's proposed warning label: "This product contains Olestra. Olestra may cause abdominal cramping and loose stools. Olestra inhibits the absorption of some vitamins and other nutrients. Vitamins A, D, E, and K have been added."

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After 30 years, the words Star Trek and Gene Roddenberry are virtually interchangeable. As the creator of the beloved Starship Enterprise and her crew, Roddenberry launched the phenomenally successful series, Star Trek, which spawned three more television series: Star Trek: The Next Generation, Star Trek: Deep Space Nine, and Star Trek: Voyager, and seven motion pictures, with an eighth, Star Trek: First Contact, to be released this holiday, '96.

But the Star Trek legend had its share of growing pains. In 1964, Roddenberry's first pilot for the series, entitled, "The Cage," was rejected by NBC as being too cerebral. In an unprecedented step, the network ordered a second Star Trek pilot, retaining the character of Mr. Spock from "The Cage," Roddenberry recant the leading roles and submitted the pilot, "Where No Man Has Gone Before," in late 1965.

On September 8, 1965, Star Trek made its television debut. At the end of its first two seasons, the show faced certain cancellation, but overwhelming viewer support saved Star Trek from a premature death. But after 79 episodes, disappointing ratings led NBC to cancel the series, which had its final network broadcast on June 3, 1969.

NBC's loss, however, was syndication's gain. In hundreds of markets across the country and around the world, Star Trek was rediscoved by viewers and soon became the most successful series in syndication history. This ground, well of interest in Star Trek led to the creation of fan clubs, merchandise, magazines, and the first Star Trek motion picture in 1979. The rest, as they say, is history.

Here, in an exclusive interview done in 1990, Roddenberry shares his thoughts about his legendary creation in a loving look back at the series that started it all: Star Trek. Q. The original words, long the Star Trek opening has become one of the most memorable parts of the show. Did you write it?
A. Yes, (associate producer) Bob Justman rushed into my office one day and said, "We've got to have that opening that you keep talking about." I had been putting it off because openings are hard to write, they're like poetry. So we sat there and put it together, and what we put together that afternoon is essentially as it remained.

Let's talk about some of the characters on the show. For example, what was going through your mind when you created Mr. Spock? I decided that I wanted him to be rather devilish and evil-looking, but also very logical. Where did the idea for the pointy ears come from? I modeled him on Lucifer. I felt his slightly satanic look would have a great female attraction. But you didn't give him a tail! I thought of it! Was Spock hard to cast? He was the easiest one of all. Leonard was in a show with my wife (Majel Barrett Roddenberry) and I said, "I love that look and the shape of his head. If only I could put pointy ears on him!"

Did Leonard Nimoy have any problems with the look you had in mind for Spock? At first, he was just happy to get the part. Had I said, "You're going to have a pony's body," he would have said, "Fine!" But then as we began working on the face, he began to backpedal because the crew had been kidding him, as crews do, calling him names and teasing him. It put under his skin and he said to me, "Gene, I just can't do it. I just can't wear those ears." And I had an inspiration. I said, "Leonard, if you wear the ears for 13 episodes and they don't work for you, I will personally rewrite the script for the 14th and give you an ear job!"

But those ears helped turn Spock into one of Star Trek's most popular characters. Immediately. But before that, the network didn't like Spock and said, "Well, you can use him, but only if you keep him in the back ground." In fact, we have a picture on file of Leonard's ears airbrushed round.

How did the character of Kirk evolve? With Kirk, I decided that I

LIFESTYLES & ENTERTAINMENT

The man behind the phenomenon: A 1990 interview with the late Gene Roddenberry

Is there a character in the original series that you feel drawn to, philosophically? I think they all have much of me in them. If I had to choose anyone, I suppose I would say Spock, because he's sort of my alter ego. He's the way I would like to be. Are you logical? I am. But then, I would also like to be a splendid airline captain like Kirk was! And I'd like to be as wise and humane as the doctor, too. Everybody talks about the "Roddenberry Vision." Yes, and it makes me nervous! Can you define that "vision?"

I knew I wanted to do a show like this, and for years, I wrote pieces of it and defined it, but never thought of it as a "vision." Most of it involves my parents, who were liberal Southerners. When I was a boy, I remember bringing home "aliens"—you name a strange country, and I brought home a person from it. But that was accepted and even applauded. If I have to describe my "vision," it's just the way I am, just the way I live and come to live.

How did you feel when Star Trek was canceled by NBC in 1969? Kind of half and half. I was upset. I kept saying to myself, "Gene, they're wrong." If they had just given me a chance to let it grow. But then, on the other hand, I was thinking, "Who are you like, Pan and the people's minister?"

The "vision" talk is something that's come along in the years since and it still makes me nervous, people saying, "You are an original genius." And I say, "What?"

"Gene" is kind of a heavy load to bear. Only my mother really believes it!

Do you have any favorite episodes of the original series? Yes, but I notice the flaws almost more than anything. Although Star Trek: The Next Generation is the biggest hit, were you at first hesitant about getting back to the grind of a weekly series? I would have been hesitant if it had been work, I feel I've been backed up 25 years of joy!
LIFESTYLES & ENTERTAINMENT

Here's the story ... yet again!

Tina Leach
Entertainment Writer

Hey there, groovy readers! I just saw a movie that's really happening in a far out sort of way. If you haven’t guessed already (and I’m sure you have), I’m talking about A Very Brady Sequel, the follow-up to the 70's-fest The Brady Bunch Movie.

The sequel pretty much follows the same formula as the first — the antics of a 90s family stuck in the 70s — all the way down to their platform shoes. Well, there is one difference. Mrs. Brady's first husband is back. (You know, in the original series, they never did say what happened to him — everyone just assumed that Mrs. Brady was a widow.)

Tim Matheson plays Ross Martin, the archaeologist husband of Carol Brady. He has returned to get a priceless artifact that is in the Brady home. (The Bradys don't know that the horse statue in their living room could buy them enough polyester to last them the rest of their lives.)

Roy stays with the Bradys — a family he finds insufferable. They even take him shopping and get him a groovy suit from their favorite store: Vintage Clothing. (I wish we had one in Huntsville!)

And, like the first movie, there are references galore to episodes from the original series — they go to Hawaii, Cindy and Bobby become detectives and search for Kitty Carry-all, and the kids build a house of cards to solve an argument. (That's what happens when daddy is an architect.)

This movie also goes beyond the original series — way beyond. It explores the true relationship between Greg and Marcia (you know, they're not actually related). It's funny, yet scary.

And the Bradys sing in this movie — boy do they sing! Walking down the street, at a fountain, in an airplane. A Very Brady Sequel is a groovy movie. And it has references to some old TV shows (I can't say which or it will ruin the surprise). So disco down to the theater and see this movie. Don't forget your bellbottoms!

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The cinema of la France Profonde: Marcel Pagnol then and now

James Winchell
Department of Foreign Languages

This semester's meetings of the Cineclub Français (French Film Club) will focus on the art and the legend of one of France's most respected and inventive filmmakers, Marcel Pagnol (1895-1974).

This director's work is so powerful and plays such an important role in the history of French film that his voice, his visual style and subject matter have continued to haunt the French screen long after his death.

To understand this strange phenomenon, we will view and discuss two of his films from the 1930s (La Femme du Boulangier and Angèle), then compare them to a 1986 version of a Pagnol story, Jean de Florette, starring Gérard Depardieu and directed by Claude Berri.

Cinemystics might say that a latter-day director like Claude Berri is able to retell Pagnol's story with such fidelity and power because of nothing less than channeling, that strange kind of artistic metempsychosis in which the spirits of the dead inspire the living in uncanny ways.

But in the meetings of the Cineclub this semester, we'll pursue the more plausible idea that Pagnol's posthumous power — his postmortem ability to inspire artists to create new "Pagnol films" from beyond the grave — might best be understood for three more down-to-earth reasons: his realism, his ability to find emotional resonance in everyday situations.

Early in his career, Marcel Pagnol discovered the people and region of Marseilles, the ancient southern port city that gave him his most profound and influential cultural formation.

Like the speech and accent found here in the southern U.S., the verbal style of the south of France is also distinctive. At a time when talkies were first emerging as an important form of expression, the musical speech patterns of the south provided Pagnol with a great source of character, local color and Provençal tradition with which he might fabricate the underlying regional and cultural specificity behind his stories.

Secondly, the everyday people who inhabit his films — the farmer's daughter from a life of prostitution in the city, the village baker whose bread won't rise when his wife runs off with a seducer, the simple farmhand who rescues the farmer's daughter from a life of prostitution in the city — represent for some critics the deepest source of French identity and myth.

Finally, Pagnol's ability to tell deceptively simple stories with charm and innocence proves both highly evolved and artistically unique. Watching Angèle, wrote the critic in the Boston Globe, "is a bit like opening up a very old and faded storybook that comes to life."

Indeed, the emotional power of sheer storytelling in Pagnol's cinema — whether produced in the early days of talking film by the master himself or inspired posthumously by his influence upon directors working in the last decade — parallels that of the poetry, the perseverance and the practicality of what the French like to think makes up at least part of their national heritage.

All three films will be viewed in high-quality video projection, with refreshments and lively discussion both before and after the showing. The Cineclub Français will meet at Mom's (UC 146) on Saturday, September 7 (La Femme du Boulangier), on Saturday October 9 (Angèle), and November 16 (Jean de Florette), with all meetings beginning at 7:00 p.m.

All films are in French with English subtitles, and meetings are open to all. Join us!

Editor's note: Dr. Winchell teaches courses in French and the Honors Program. His current research includes a book on films about WW II by directors from defeated countries, Cinema Year Zero: Projecting Postwar Psychology into Myth.

RÉNÉE BICKS AND HER HOT LICKS! — Renee will be performing on September 5 at Mom's in the University Center. The show starts at 8:30 p.m.; the $1 admission includes soft drinks and popcorn.

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Entertainment Writer
Tina Leach

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LIFESTYLES & ENTERTAINMENT

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HIGH HOPES! — The UAH men’s soccer team is starting out strong this season with one pre-season scrimmage against A&M ending in a decisive victory for the Chargers and a dominating shutout, 6-0, against Bellarmine College in their home opener this past weekend. The Chargers take on the Carson-Newman Buccaneers this weekend as Lincoln-Memorial Rivalry week continues.

The Exponent September 5, 1996

PHOTO COURTESY OF THE UAH ATHLETIC DEPARTMENT
SPORTS

Lady Chargers open with loss to Carson-Newman

Special to The Exponent

The UAH women's soccer team dropped their inaugural varsity soccer game and season opener 11-0 to Carson-Newman College, Sunday at Charger Field.

The Lady Chargers played an even match for about the first 30 minutes with UAH back line holding the Eagles' forwards in check with consistent offsides.

"Mandy Everson, Amanda Witt, and Alicia Tyson have been very successful defensively in the early going of both our scrimmage game and our first outing," said coach Tim Tyson. "But, in both games it was only a matter of time before such constant attacking pressure resulted in a breakdown."

The Eagles initial score came in the 29th minute on a hard shot past goalkeeper Lin Belt in the left corner. Carson-Newman exploited a breakdown on the UAH right side to score two goals in the 26th minute. The score at half-time stood at 4-0.

"Mentally and emotionally, this team is ready to play at this level (Division II), but they'll need to translate that awareness to the field for us to be successful," Tyson said. "UAH is currently playing with a roster of 12. Three freshments players have yet to be cleared by the NCAA. Carson-Newman played a squad of 19, all but three of which are returning from last year's squad."

"We had several well-developed scoring opportunities by Lori Patterson, Kelly Smalling, and Adella Goodstein, but our lack of experience in providing enough support stymied their efforts," Tyson said. Carson-Newman, a Division II third year team, netted goals from eight players including a hat trick by Christina Beckett, and two goals by Hallie Stamm.

See Women's soccer page 12

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Charger Volleyball splits four in East Texas tourney

Michael Napier
Sports Writer

After losing their first two matches here Friday, the UAH volleyball team rebounded with two big wins Saturday in the East Texas Regional Challenge, hosted by Texas A&M University-Commerce.

On Friday, the Lady Chargers lost to Southern Colorado three games to one. They then lost to St. Edward’s University three games to none.

On Saturday, UAH defeated both Southern Colorado State and Texas A&M-Commerce three games to one to raise its record to 2-2.

Southern Colorado 3, UAH 1
UAH lost the first match to Southern Colorado 15-6, 9-15, 15-6, 15-9. The Chargers came back from a 9-1 deficit in the fourth game with eight unanswered points. Southern Colorado then pulled away with six unanswered points to win the match.

Becky Stitt led the Lady Chargers with 18 kills, 15 digs and four blocks. Stephanie Osborne also had 12 kills and 14 digs.

Freshman Lisa Spencer had 42 assists in her UAH debut at setter.

“We played better than what I had expected with a freshman setter,” UAH head coach Laura Taube said. “There are some things we need to improve: defense and blocking. (Southern Colorado) just played better.”

St. Edward’s 3, UAH 0
UAH could not get any rhythm against St. Edward’s in the second match, losing 15-4, 15-8, 15-7.

The Lady Chargers had 55 digs, but could only convert seven into kills. They had 32 kills in the match.

Women’s Soccer from page 10

Tyson says he and the team were very grateful for the large turnout of support from the community, student body, other UAH athletic squads, and men’s soccer alumni.

“The team was a little intimidated at first by playing their first game in front if anyone, but once the cheering started they responded with an extra effort,” Tyson said.

The Lady Chargers are in action next weekend in a tournament against Division I opponent Jacksonville State on Saturday, and on Sunday against Tusculum College.

Their next home game is Sunday, Sept. 15 at 4:30 p.m. against Martin Methodist College.

Volleyball Tournament.
Eight teams will participate, including Gulf South Conference members West Alabama, Mississippi University for Women, and West Georgia. Other participants include King College, Southern Indiana, Alabama A&M and St. Leo.

UAH will take on West Alabama to open round-robin pool play Friday at 12 noon. The Lady Chargers will play Southern Indiana at 4 p.m. On Saturday, UAH plays King College at 9 a.m. After round-robin play with elimination tournament will begin at 1 p.m. The final is scheduled for 7 p.m. UAH students get in free with validated student identification.

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