McManus named dean of Graduate Studies

Dr. Samuel McManus, professor of chemistry and director of the Materials Science Graduate Program at UAH, has been named to the post of dean of Graduate Studies by UAH President Louis Padulo. McManus' appointment is effective Sept. 1 and he succeeds Padulo, who was selected for the position almost a year ago.

"Sam McManus is an outstanding scientist and educator and I'm delighted that he has agreed to serve as dean of our graduate program," Padulo said. "Dean Lynn Russell has chaired the Search Committee which he chaired produced several fine candidates to fill the graduate deanship, and the committees is to be congratulated for its thorough work. It is my judgment that Dr. McManus is the right man at the right time to lead the graduate school to its next stage of development."

McManus thanked the president for his confidence in him and said he is looking forward to working with Padulo and Provost Elmer Anderson. "I think UAH is on the brink of developing into a major research university," said McManus, and that its tremendous growth in research ought to translate into a much larger number of graduate degrees in the coming years. I have strong feelings for UAH after so many years here and I'm excited about the future."

Since joining UAH in 1966, McManus has had teaching and research responsibilities in the UAH College of Science. He has also served as chairman of the department of chemistry, as a visiting scientist at the University of Southern California, as an ASEE-NASA Fellow at the Marshall Space Flight Center, as the director for the Materials Science Program at UAH. McManus has received such awards as the UAH College of Science Dean's Service Award and the UAH Sigma Xi Researcher of the Year award. He is a member of Phi Kappa Phi, Alpha Epsilon Delta, Sigma XI, and the American Chemical Society, and has held leadership positions in those and other organizations.

McManus will succeed Dr. Nadeem Audeh in the post of graduate dean.

"The whole university owes a debt of gratitude to Ned Audeh for the many years of building and nurturing of graduate education which he provided," Padulo said. "Now that Ned is resuming his faculty role after nearly 13 years as dean, I'm sure he's delighted that his teaching and research will continue to strengthen his beloved graduate programs under Dr. McManus' leadership."
World Issues Society visits Russell Cave

by Marian Delaney Sampson

On Saturday, July 29, the World Issues Society (WIS) visited Russell Cave National Monument in Bridgeport, Ala. Accompanying WIS were Dr. Glenna Colclough, Dr. Nancy Finley, Dr. Walter Peacock, and Don Tarter from the UAH department of sociology.

Park Ranger Dick Wiley led a tour to and through the cave. He explained the history of the archeological investigation that began in 1961 under the aegis of amateurs from the Tennessee Archeological Society. Approximately one-third of the floor space and one-half the volume of the entrance to the cavern has been excavated by subsequent digs under the sponsorship of the National Geographic Society purchased the site in 1956 and donated it to the U.S. Department of the Interior in 1958.

Russell Cave is one of the most important scientific archeological sites east of the Mississippi River. It has provided evidence of continued human use from 7000 B.C. to the 17th Century A.D.

After a slide show about the excavations, WIS and sociology members enjoyed a picnic lunch on the grounds.

In the afternoon, Park Ranger Charles Harmon, a geologist, gave a demonstration in flint knapping with chart. He also displayed and demonstrated various reconstructed tools from the Archaic period. After his presentation, students and teachers tried their own skills at creating spear and arrowheads, fire-building, bolt drilling, and spear tossing.

The spear tossers used an Aztec invention an alatl. These gave the arm more leverage and hurled spears farther and faster. Several UAH visitors became very proficient with them. Remains of stone weights for alatls were discovered in the cave.

In addition to guided tours, there are several other attractions at the site. These include displays of actual archeological finds, a reconstructed garden, an Indian burial mound, and many forest trails. The group learned about a number of current scientific investigations in archeology. This included reconstructive archeology and a new science of paleonolgy — a way of investigating the past through pollen.

For more information about Russell Cave, call the Park Rangers at 495-2672. For more information about the World Issues Society, call faculty advisor Colclough at 866-6190.

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SGA attends retreat

by Dennis W. Warner
SGA director of Public Relations

The UAH Student Government Association's semi-annual retreat was held July 21-23. The three-day retreat was spent developing informed and enthusiastic representatives of the student body.

Special guest speakers included Dr. B. Jeanne Fisher, vice president for Student Affairs; Steve Bruce, University Center director of Operations; Virginia Sollie, director of Annual Giving; and Judy Jarvis, 1989 SGA Rules Committee chairperson.

Fisher addressed the importance of leadership, team-building, and ethics in the workplace. These topics involved active self-analysis, cooperative interrelating, and case analysis, respectively.

Bruce encouraged each member to participate in identifying their personal goals for the SGA. He also emphasized cooperation and effectiveness as a means of accomplishing their ideas.

Sollie presented organized fund raising as the financial means for following through with the development of organization educational interests. In addition, she made representatives aware of offices within her department of University Advancement, whereby inquiries of raising funds may be directed.

Jarvis concentrated on the legislative aspects of student government — the establishment of house bills, voice resolutions, and order within sessions of the official representative bodies.

The retreat had an overall effect of inspiration, enthusiasm, and information for new and returning officers and legislators, who are here to promote university life for all students.
“Parenthood” resembles a soap opera

by Laurence F. Specker

“Parenthood” is Steve Martin’s latest movie. Of course, it’s not just Steve Martin’s latest since it stars a whole horde of familiar faces, but Martin does play what is more or less a soap opera. There is no strong thread of narrative linking all these subplots, just a general topic. Which is, you guessed it, parenthood.

The film attacks the theme from just about every angle imaginable. The extended family the story revolves around (i.e., every soap opera ever created) is composed of many individuals who all have their own individual little crises to deal with, all pertaining to the business of being parents. Wanting children, having children, dealing with troubled children, dealing with weird children, dealing with normal children, getting married, staying married, being children.

If most plots are spun like yarn, this one would make a nice rug. But they did a good job making this soap opera-like movie. I know they did a good job because I sat through the whole thing, and I can’t stand to listen to a soap for more than five minutes.

This is not to say the movie is perfect, though. The first half-hour or so is fairly lame. Until the film builds up a good head of steam it has nothing new to offer. The jokes are all familiar and the surprises just aren’t very surprising. Give “Parenthood” a little time, though, and it starts to get really interesting. The movie never settles for an easy ending, and not all of the subplots come to happy endings. And the surprises do become surprising.

Unfortunately, Steve Martin offers no such novelty. He does okay, but his character is not different than the one he portrayed in “Planes, Trains, and Automobiles.” Hopefully, he’ll get out of the “dead old Dad” rut and stay out. Few things are less appealing than an old comic playing it safe.

I recommend “Parenthood” as a pretty decent movie, overall. I’m glad to know that not all PG-13 movies are R stories toned down for drooling fourteen year olds.

UAH recycling program seeks cooperation

by Pat Newcomb

The recycling program at UAH needs your cans and newspapers. The program, which started in April, is collecting only a fraction of the waste on the campus, said Michael Eley, Waste and Recycling Coordinator at UAH, associate professor of biology and research scientist at the Johnson Research Center.

The program was started with funds from UAH President Louis Paduolo to purchase the trash cans that can be found at all the vending machines. Unfortunately, a number of the soft drink cans aren’t finding their way into the cans...

“It’s very frustrating to find a trashcan with a flip lid with cans in it right next to the recycling can,” said Eley. “People are just blind or stupid to not be aware of their surroundings.”

Last week, cardboard boxes began being placed in all of the classrooms for the collection of aluminum cans. Hopefully, the boxes will encourage students to deposit cans in the boxes rather than in the trash cans. So far, boxes have been placed in Madison Hall and in the Science Building.

By the end of June, the program collected and recycled 350 pounds of aluminum cans. The amount collected, however, is only a fraction of what is actually consumed on campus.

The Coca-Cola company delivers 300 cases per week on campus. Each case weighs a little over a pound in empty cans so that’s 300 pounds of cans per week. We’re only getting about 10 percent of the cans on campus,” said Eley.

The program eventually is to be a self-supporting operation, said Eley.

Richter to give concert

David Richter, featured in “Horizon” magazine as “an extraordinary young concert guitarist who is going places in the music world,” has performed to critical acclaim throughout the USA and abroad in cities such as London, Toronto, Basel, Valencia, and Milan.

The young performer will present a concert Thursday, Aug. 10 beginning at 8:15 p.m. in the Roberts Hall Recital Hall. The performance will benefit the UAH community alone produced 300 tons of waste last year that was carried to the landfill. According to Eley, 80 percent of that waste was “paper; junk mail, magazines and others that get brought on campus.”

Besides the cans that have been placed by the vending machines, the recycling program also takes newspapers and aluminum cans.

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UAH Students, Staff and Faculty may pick up two FREE tickets at the University Center Information Desk. General Public admission is $5.00 for adults and $4.00 for students and senior citizens.

FOR MORE INFORMATION, CALL THE SOURCE, 895-6666 OR UNIVERSITY CENTER INFORMATION, 895-6009
"Being of sound mind, I hereby bequeath the following..."

by Kim Glasgow
editor

Since I graduated in June, I've had the starting realization that there is life outside of UAH. And as this is my last issue as editor of The Exponent, I hereby bequeath the following:

To incoming editor and first lieutenant Jane Dudley, I leave a strait-jacket.

Sorry, Jane, but mine was only good for one year.

To Dan Rochowiak, I would like to leave tenure. Maybe it'll help, Dan.

To Vanessa Abeyta, I leave a message to tell Markus I said "Hi.'

To Dr. Louis Padula, I leave a glass cow inscribed with the word "no" to remind him my name is not pronounced "Glass - cow." The name rhymes with "go" as in "so what.

To anyone and everyone who has written or told The Exponent personnel anything of the sort that was irresponsible. I leave a spine, but admit the best off-the-record item was the Polaroid of a sign listing Dr. Padula's handicaps.

To Millie Anglin, who took a lot of flack for stating her opinions, I leave a less stressful job.

To Dra. David and Rita Whillock, I leave more classes to teach. That way, the students who have only had one Whillock will learn that the other Whillock is not an easier instructor. (I'm not kidding — I know two people who think believe it!)

To the Communications Department, I leave the Communication Arts 431 course, also called "Torture 431." No CM major should be allowed forced to miss the privilege of this one. (The toughest class you'll ever look back on and say you learned something from it.)

"I am waiting anxiously for the promised second letter..."

by Larisa Thomason
columnist

"Science is a first-rate piece of furniture in man's attic storage, if he has common sense on the bottom floor."

Oliver Wendell Holmes

Last issue, a letter was published by someone strongly in favor of the installation of a new incinerator in Huntsville. It has always been my policy not to reply to letters, either pro or con, about my columns. After all, I have had my say and so should everyone else. This time though, a reply is necessary. I know the culture of Huntsville, and anyone with letters after his name and a title is almost always assumed to be correct in all matters.

Many points made in last week's letter about the trash incineration were misleading and the writer tried to portray himself as "pro-technology" and me as "anti-technology," which is almost true. Condescend I can take, but distortions and misleading statements about matters affecting the environment and public health are another thing entirely.

First, the matter of taxpayers money being spent for a plant that is not required is a scolded at my notion that my tax dollars are paying for pollution, saying that the $110 million bond issue paid for it and that the incinerator will pay for itself through sale of steam. Well, let us consider for a moment the nature of municipal bonds. They are backed by the credit of the city, county or state, not the taxes of Huntsville. That $110 million bond issue reflects the operating in the U.S. have had unscheduled down for some reason and doesn't produce the expected amount of steam? According to a Newsday survey last year, half of all mass-burn plants operating in the U.S. have had unachieved "shakedown" periods, and three others have closed permanently. What if this happens and the city can't meet its bond obligations? If ever that goes without a hitch, the incinerator MAY be able to generate enough money to pay off the bonds, but should there be any underachievement (imagine that!), we will end up paying one way or the other.

A further piece was a dismissal of concerns about a rise in pollution levels. Let's see, three thousand pounds of sulfur dioxide belching from the smokestacks daily and he assures us that air dispersion SHOULD mean there will be no smell. What kind of nose does he have?

However, the smell is the least of our worries. Incinerators emit roughly 27 different metals, over 200 organic chemicals, and a variety of acidic gases. An average 1600-ton-a-day incinerator blows out 06 pounds of dioxin (the most toxic substance known) and furans, 510 pounds of hydrocarbons, 5000 pounds of lead, 361 pounds of cadmium, 2244 pounds of chromium, 209 pounds of mercury, and 13,350 pounds of everything else this day. This is a pollution in a big, whole.

The writer's faith that federal, state, and local agencies would never allow anything that might harm our health is misplaced. EPA is hardly the super-watchdog agency the writer seems to think. Remember, this is the same agency that let millions of PCB laden dirt from Texas to be dumped in our state last month.

The EPA doesn't plan to impose technology-based limits on emissions on new facilities until November of this year. At that time, existing incinerators will have until 1995 to catch up, suppose that the EPA mandates new technology on the incinerator be brought into being. Who will pay for it? There's that tax dollar question again.

Also disturbing is the way the writer glosses over the dangers of the ash from the incinerator. In an EPA study, the agency found that four of ten samples of fly ash were over the limit for lead and that half the samples of combined fly and bottom ash were over the limit and therefore toxic waste. The writer blithely assures us that should the waste be toxic, we can simply cart it to the landfill at Emelle (more expensive), but that the waste shouldn't be toxic; if a sorting process takes place, Guess what? Currently, the city has no plans to sort the trash and let it sit around long enough to burn right along with non-hazardous materials. The most annoying part about his statement was the belief that we should just be able to dump our toxic waste in another Alabama county and let them deal with what we are unwilling to face.

Finally, let's deal with recycling. I am waiting anxiously for the promised second letter that will "enlighten" me about recycling. Allow me to enlighten a bit first. Nationwide costs for garbage handling run approximately $10 per ton for incineration, $40 per for landfilling, and only 40¢ per ton to recycle. At least half of the consumer waste stream is recyclable under present U.S. technology, continued on page 8

PROOFREADER NEEDED
The Exponent has an opening for a proofreader. Duties include proofreading all articles and ads, typing in corrections, and passing up corrections. If you can't work on Monday and Tuesday, please do not apply. Applications are available at The Exponent, Room 104, University Center or call 895-6090 and leave a message.
"...remember how Boston Harbor affected the...election? >>

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Dear Editor:

I read both Larisa Thomason and Dr. Eley’s letters last week and am pleased that we address the issue of incinerator ash. Dr. Eley said that current data indicates mixed ash is toxic from incineration, Dr. Thomason and colleagues from Ms. Eley is toxic not from incineration. However, the Environmental Defense Fund and Ms. Eley’s EPA’s figures and collated them. EDF found that the mixture of ash is toxic for both lead and cadmium. This means that the ash from municipal waste incinerators is toxic of the time is expected to go to a hazardous waste facility like Emelle. Incidentally, the EDF says ash should not be mixed.

The same EPA results, that were compiled by EDF, state that the fly ash 60% of the time is toxic in lead and cadmium. This means that the ash from municipal incinerators is toxic 60% of the time. People like David Eley, the CEO of the Maryland System, says that the test itself isn’t good, which is suspect since the EDF test was rendered meaningless and development and use as a former EPA employee. Mr. Sussman claims the test results are misleading. However, since heavy metals can be found to have been created not measured in incineration, how can this be?

Does this mean that the incinerators aren’t lying what the public people claim? To my way of thinking, you tell me the ash is not toxic and I’ll tell you you have a bad incinerator, that your technology is loser. The better the incinerator gets at reducing air pollution, the more concentrated the pollution, in the form of heavy metals, is in the ash. Those involved in the field of toxicology have told members of The Alabama Conservancy that the test samples are washed a number of times. Such a step is necessary to remove any non-toxic ash that remains.

As much as we’d all like to believe the EPA and government, we simply can’t. In case after case what keeping the environment clean means...polluted waterways...polluted air and a chemical Alice in Wonderland for our foods. So, while I applaud Dr. Eley’s letter, I am not trusting that the ash is true, I know otherwise. Good examples are the ash garbage barge from Philadelphia in 1988, the burning of ash from the Washington D.C. incinerator on the grounds of St. Elizabeth’s Mental Hospital as well as Saugus, Massachusetts incinerator as near top of millions of cubic yards of ash that have come to treatment facilities in Salem, Oregon so that the incinerator can be proclaimed “safe” and disposed of is only a small issue compared to the broad range of incorrigible practical, moral, and ecologically sound to burn our trash which is made from our natural resources.

Sincerely,

Lynn Leach

--

The city of Huntsville in August 1980 received a Department of Energy grant ($456,000) “to investigate the feasibility of using ash from solid waste as an alternative energy source”. The study grant was submitted by the Wegman Company in January, 1982. The planned a plan of action. You could never generate enough interest in steam power.

Then in April 1982, the Army “expressed an interest” in buying the existing ash disposal site and a source request for proposal from the city. The city authorized the incorporation of the Solid Waste Disposal Authority (SWDA) “to finance, construct and operate facilities”. By the end of 1988 the local landfill was transferred to the Authority. Unfortunately at this time that the local press reported that the city managers were not to accept the original contractor, Dravo, when it was sold to Westinghouse.

The $110,550,000 SWDA Series 1988 Bond issue is the source of the preceding quotes. This document refers to the “15-acre quarry area at the Existing Landfill” which is expected to be used solely for disposal of [ash] residue and unacceptable waste”. This Bond issue is referred to the Alabama Department of Environmental Management (ADEM) “has issued an interim permit to dispose of ash residue at the Existing Landfill;” yet ADEM officials have denied this assertion.

A local report that “the Existing Landfill has been permitted to receive all types of waste associated with the Plant”, and again this is denied by ADEM which is waiting for the court ordered EPA regulations in November 1989. The Bond issues states that “the Site is appropriate for the construction, operation, and maintenance of a solid waste landfill” is centrally located on Arsenal property and has “good vehicle access”.

In reality, the TVA Madison County, Alabama “Department of Resource Management” clearly shows that there is no more likely site in the county for ground water contamination (arising from the fact that the plant construction strung well and the paper mill is directly in contact with the water table). Furthermore the delusion about the找准 this vital fact. The same study also pointed to a “drawback” relating to the burning of Fabtech High (a hazardous waste).

Concerns vanished by deadly editorial license in 1985, when it became necessary to conclude that there was no environment that could successfully prevent the Ashley Landfill in order to avoid an Environmental Impact Statement. The 1985 Assessment went to even further abundance with its denial of federal portion in this plant which is on federal property selling all its steam to the arsenal which gets free waste disposal. ADEM tells us that “the fact is that the site is at the end of a long dead end street and there is no other site which is acceptable, and there are no significant environmental problems”. In other words, the site is centrally located on Arsenal property and has “good vehicle access”.

The recent Lauderdale county case, WASABI CONTRACTORS INC. STATE OF ALABAMA, may be quite relevant to the one spelled in the wording that “combustibles must be separated from non-combustibles” (a half years later the local officials dismissed the fact the site is at the end of a long dead end street and there are no significant environmental problems). The local officials informed the community that “combustibles must be separated from non-combustibles” (a half years later the local officials dismissed the fact the site is at the end of a long dead end street and there are no significant environmental problems).

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Our national fraternity is holding Congress this week. Brothers Andrew Byrd and Paul O’Connor have gone to represent our chapter. We are confident that they will each do an excellent job, and have a great time, too.

FMA

The Financial Management Association Student Chapter welcomes all new members. We also welcome back, Larry Byrd and Paul O’Connor. Welcome aboard, Brent! Our FMA Student Chapter held the annual ATO Topa Party at the Elk’s Lodge. Everyone was there and had a great time. We hope to see everyone at the annual banquets.

American Institute of Aeronautics and Astronauts

The UA Student Branch of the American Institute of Aeronautics and Astronauts will hold a meeting on Tuesday, Oct. 14, at 6:15 p.m. in Engineering Building, Room 134. The meeting will feature the Voyager 1 spacecraft. Everyone is invited and encouraged to attend.

Anyone who would like to become a student member of the AIAA may pick up a registration form at Room 110-A of the Engineering Building or at the Aug. 14 meeting. For more information, contact Robert Goodwin at 892-6296 any weekday except Wednesday.

Delta Zeta

Throughout the summer, the members of Delta Zeta busily preparing for the upcoming Formal Fall Rush. The girls have been interviewed and met with potential Sisters while sharing their sisterhood.

Not only have the girls been preparing for rush, they have been partaking in other activities. In June, the national officers were elected, and two of our members were given a big sister. Lamplighting was held in July for the pledges, preparing them for their new lives. Last month, Laurie Burrows, Stephanie Ethridge, Sherry Huggins, and Julie Preston eagerly anticipated becoming Bigs.

Last month, Kim Smith, president, and Charmion Baugher, collegiate director, attended Delta Zeta’s National Convention. The new national officers were elected, and awards were given.

Congratulations to the Delta Zeta intramural volleyball team and coed
Grace wins fight song competition
by Marian Delaney Sampson
news reporter

Jennifer Grace, a UAH senior majoring in Optics and The Exponent’s sports editor, wrote not one but two songs for last term’s competition to choose a UAH fight song. Between the two songs, she had a real winner.

According to Grace the selection committee liked the lyrics on the first song and the tune of the second. John Hand is currently working on arranging an amalgamation of the two. Grace said Dr. Royce Boyer called her this week in Kentucky and played a version of the song for her and “it sounded good.”

Paul Brand, director of Athletics at UAH, said that a “fight song” is needed because he wants UAH to have one for some time. The athletic department hopes to be able to unveil the new fight song at this year’s homecoming. Grace said that the working title is “Charger Blue and White” which is also a joining of her two separate titles.

Grace’s background in music includes four years of classical guitar lessons, nine years of playing the guitar, and seven years of church music. She said that this has been her first opportunity to write music, something she has always wanted to do.

New coaches hope to boost UAH Volleyball
by Jennifer Grace
sports editor

Two new volleyball coaches have joined the UAH Athletic Department staff this summer. Joe Hagan is both the head volleyball coach and women’s basketball coach at UAH, and Ted Compoc will assist him with the volleyball team.

Coach Hagan comes to UAH from the University of Montevallo where he coached the women’s basketball team. Prior to the job at Montevallo, Hagan’s other coaching experience was attained at Snead State Junior College and in the Mountain Brook high school system in the suburbs of Birmingham.

Everything here is new and different for me,” Hagan remarked about Huntsville. He is the University and its engineering programs fascinating. I’m looking forward to coaching at UAH,” said Hagan.

Assistant coach, Ted Compoc is very enthusiastic about UAH’s volleyball program. Compoc played an active role in the first season of Charger volleyball as a volunteer assistant. He says he willingly returns to assist with the program.

“I know the kids and what they are able to accomplish,” said Compoc. “I am happy to share my experience with them and help them reach their full potential as volleyball players. I’m very optimistic.”

Compoc’s volleyball experience speaks for itself. He’s been affiliated with four National Championship teams, and has never had a losing program in twenty-five years of coaching. Compoc stresses “togetherness” in his teams.

“We will work hard as a unit,” said Compoc. “The team will share highs and lows. We are not going to dwell on either of them, but strive to maintain a happy medium.”

The team is currently undergoing weight training and endurance building. The Chargers will officially begin practice August 28 in preparation for the season beginning in mid-September.

Huntsville Stars playing winning baseball
by Sharo Barnes
sports reporter

As the end of the quarter draws near, some of you may be wondering what to do with free time. One solution available for baseball fans is to attend one or several of the 13 remaining Huntsville Stars’ home games.

The Stars’ bats are hot and their pitching on the mark, propelling the Oakland Athletics’ farm team to first place in the Double A Southern League’s Western Division. Huntsville tops the second place Birmingham Barons by three games.

Huntsville should finish the second half of the season in first or second place, therefore assuring themselves of a Divisional Play-off spot with Birmingham, who was the winner of the season’s first half, to see which team will advance to the Southern League’s World Series.

The Huntsville Stars won the World Series in 1985, the first year of the club’s existence, and have since been to the play-off games twice. Taking 13 of the last 18 games, the Stars hope to continue their winning ways as they open a seven-day home stand tonight at Joe Davis Stadium. The Stars would like to go into the play-off games having a winning streak.

Several persons who follow baseball will claim that pitching wins or loses a ball game and, of late, the Stars’ pitchers are performing well. Among the pitchers to look for are Scott Chliparminpo, a starter with a 2.87 ERA for 11 games (two complete games); Joe Klink, a reliever with a 3.45 ERA for 41 games and also Southern League leader in saves (21); Ray Young, a starter, with an 4.72 ERA for 22 games and is also among the Southern League leaders in strikeouts (119).

While pitching may be what managers tend to look for, persons sitting in the stands want to see home run hitters and Huntsville has plenty. Dann Howitt leads the team in homered 11 times. Time Casey also has a real workout trying to hold them on deck and Klink has 11 and Troy Atenir has 10 homens.

Scott Hemond and Eric Fox are also players to watch for at the ball game, but look quick, because they are fast. Fox and Hemond are among the top Southern League leaders for stolen bases. When they get on base, fans can watch the opposing pitcher go through the six-tool set-up trying to hold them on base and pitch to the batter. Fox has 41 stolen bases and Hemond 37.

The remaining home games include Aug. 9 through 12, an Aug. 13 doubleheader.

UAH will be closed Sept. 1-5 for a staff holiday.

JAKE’s
Cheap Booze, Quick Food, Lousy Service
Just Like Eating At Home

A lunchtime place for faculty and staff. Quiet, cool, and our jukebox has your kind of music.

Located at Steadman’s Corner
Holmes Ave. & Jordan Lane

For more information, contact The Exponent at 895-6090 or come by UC Room 104 and fill out an application.

Beginning Fall 1989
Features Editor Wanted
If you believe you could write, assign, and edit features articles for The Exponent, please drop by the office at the University Center, Room 104, and pick up an application. For more information, call 895-6090 and leave a message where you can be reached.

Beginning Fall 1989
The Exponent is now accepting applications for the position of Associate Editor. Job responsibilities include assigning news articles to two or three reporters, ensuring that news at UAH is covered, assigning photographers to news events, editing roughly half of all incoming articles, and acting as second-in-command when the editor is absent. $110.00 per month.

For more information, contact The Exponent at 895-6090 or come by UC Room 104 and fill out an application.
“And good night Opus, where ever you are.”

As most of you are certainly aware by now, Berke Bredeth has decided to end his Pulitzer Prize-winning comic strip Bloom County, in order to concentrate his efforts on producing a new weekly comic strip called Outland. We loyal fans of Bloom County will doubtlessly miss this unique comic strip. This will be the last issue carrying Bloom County, but we hope to find a suitable replacement for Fall Term. It will be hard to fill the shoes of Bloom County, but we are currently looking at possible replacements and are hoping to find one that our readers will enjoy.

Now we bid our final farewell to our friends in Bloom County. Goodbye Milo, Binkley, Steve, So long Portnoy, Hodge Podge, Rosebud. We’ll miss you Cutter John, Oliver, Lola. And good night Opus, wherever you are.

We now present the final strips of Bloom County:

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Thomason
continued from page 4
Newspaper and other recyclable paper alone makes up roughly 40% of American garbage. 30 to 40% of municipal waste can be separated at the source into compost material, metal, glass, and paper. Another 30 to 40% can be recovered at special processing plants that are currently successfully used in Europe. If the remaining 30% is landfilled, we have an amount equal to the volume of ash produced by a modern incinerator.

Recycling IS a viable alternative if we are willing. At my house, we recycle or compost everything except plastic and so we only put out one brown grocery sack of plastic every few months. If there were a place to recycle plastic, then we would put nothing in the landfill. Don’t tell me recycling doesn’t work because it works in our house every day. The Solid Waste Disposal Authority knows that it works, because in the feasibility study on the incinerator, recycling was listed as the number two threat to the success of the operation.

There are problems, but, when used properly, incineration can be a valuable tool. We can take a cue from European incinerators that put out a fraction of the toxins that U.S. incinerators spew daily. In Europe, garbage is reduced at the source by discouraging excess packing. Metals, glass, and combustibles are sorted and recycled. Only that remaining is landfilled, we have an amount equal to the volume of ash produced by a modern incinerator.

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pulsE
continued from page 6
softball team! Both teams won their championships.

Congratulations also go to Robyn Asquith, Laura Curtis, and Lisa Shannon, who are new UAH cheerleaders. Also, congrats to Christie Dale, Barbara Long, Suzanne Smith, and Carol Anne Vaughn for being selected as new Lancers. Vaughn was elected president of the Lancers.

Throughout the summer, weddings have taken place for several members of the sorority: Charmion Lackey, campus collegiate director; Kim Port, chapter president; and Rhonda Kyle, former chapter president. Candlelightings have revealed that Suzanne Smith has become lavaliered and Rhonda Allen has become pinned.

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Conference
continued from page 1
and the ensuing discussion among the conference attendees can then stimulate a conscious desire for the design of new materials and structures to be such that they are inscapable during manufacture, as well as in service, and to perform reliably over the life cycle of the system.

The presentations of this conference will begin at 8:15 a.m. on Tuesday, Aug. 22, and will end at noon on Thursday, Aug. 24, with a tour of Marshall Space Flight Center NDE facilities on Thursday afternoon. If you would like more information about the conference program, contact Dr. Gary Workman at (205)895-6578. To receive a conference registration brochure, you may contact Kathy Landman at (205)895-6472, or call 1-800-448-4036 from outside the Huntsville area.

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Recycling
continued from page 6
We will soon see how the public will organize to resist this death plan being implemented.

Natasha Eisman
Save Alabama’s Valuable Environment (SAVE)
continued from page 3

Fernando Sor, Joaquin Rodrigo, and Leo Brouwer, will be complemented with the music of J.S. Bach.

Richter has received numerous awards, including first prize — Gold Medal winner of the 28th Concorso Internazionale of Milan, Italy (1983), first prize winner of the National Wurlitzer Collegiate Artist Competition, USA (1983), California State Touring Artist (1987), and most recently, a Solo Recitalist Grant by the National Endowment of the Arts, the most prestigious recognition of artistic excellence in North America.

Additionally, Richter enjoys the distinctive honor of having been chosen to perform in the Master Class of Maestro Andres Segovia at the Metropolitan Museum of Art in New York City, this being televised nationwide by National Public Television. His live, solo performance has also been broadcast by "Performance Today" on NPR. For more information call the UAH department of music at 885-6436.

UC hours

The University Center hours of operation for the rest of August are as follows:

August
9 8 a.m. — 8 p.m.
10 8 a.m. — 10:30 p.m.
11 8 a.m. — 11 p.m.
12 9:30 a.m. — 11 p.m.
13 CLOSED
14 8 a.m. — 6 p.m.
15 8 a.m. — 10:30 p.m.
16 8 a.m. — 9 p.m.
17 8 a.m. — 10:30 p.m.
18 8 a.m. — 11 p.m.
19 9:30 a.m. — 10 p.m.
20 1 p.m. — 6 p.m.
21 8 a.m. — 6 p.m.
22 8 a.m. — 10:30 p.m.
23 8 a.m. — 8 p.m.
24 8 a.m. — 10 p.m.
25 8 a.m. — 5 p.m.
26 9:30 a.m. — 5 p.m.
27 CLOSED
28 8 a.m. — 6 p.m.
29 8 a.m. — 10 p.m.
30 8 a.m. — 5 p.m.
31 8 a.m. — 5 p.m.

"Shadows"

"Shadows," the UAH art and literary publication, is now accepting submissions for its 1989-90 edition. All students, faculty, staff, and alumni are invited to participate.

Three categories of fine art will be featured in "Shadows" — poetry, prose, and visual art, including sculpture, three-dimensional art, and graphics. In addition, all submissions of visual art will be considered for the front cover of "Shadows"

To receive an application for submission, send a self-addressed, stamped envelope to: "Shadows, University of Alabama in Huntsville, Morton Hall Room 100, Huntsville, AL 35899. Applications will also be available on campus in the University Center Lobby and the offices of the art and English Departments. All entries must be received before the Oct. 13, 1989 deadline.

Selections for "Shadows" will be made by editorial staff members Mike Anthony, editor-in-chief; Cynthia Green, editor of poetry; Kevin Lay, editor of visual art; Jessie Emerson, editor of prose; Eileen Sanders, business and production manager; and Mr. Jack Dempsey, faculty advisor.
All games are scheduled to start at 7:00 p.m. at the VBCC except February 18, which will be at 1:00 p.m. The play-off games are scheduled to begin Sept. 2, with times and location to be announced later.

Several of these homegames have been designated for promotion nights. The promotions include Aug. 1, Boone Market/WHNT-9 Uniform Shirts Night, Aug. 7, Burger King/WHNT-5 Pardon the Interruption Night, Aug. 11, Kroger/WHNT-5 Family Night, Aug. 18, University of Wisconsin/Stevens Point Picture Night; Aug. 19, WAAY-31 Turner Beverage Cooler Night; Aug. 15, Burger King/WHNT-31 presents The Chicken; and Aug. 25, Burger King Baseball Card Night.

Tickets cost $5 for box seats (lower deck, behind home plate), $4.25 for reserved (upper deck, behind home plate), $3.75 for reserved grandstand, and $3 for general admission (bleachers).

Cost of attending Stars' baseball can be reduced by visiting businesses who sponsor buy-out nights. Tonight, Aug. 9, is Kroger Buy-Out Night, and Aug. 14 will be Wal-Mart Buy-Out Night. These businesses will have tickets available, which are good for free general admission or are worth $3 off of the price of another seat. Additional savings are possible through Long John Silvers Family Nights, where 5 members of an immediate family can gain admission for $5. Remaining family nights are Aug. 10, 24, and 31. Three Victory Nights remain on the schedule, Aug. 9, 12, and 30. Should the Stars win on these nights, the ticket stubs are good for general admission seats or are worth $3 off on another seat for the following night.

For more information on Stars’ baseball, call 882-2562. The current player stats are not available; the ones in the story were from Aug. 1.

1989-90 UAH Charger Home Hockey Schedule

November 3 and 4
American International College

November 11 and 12
University of Guelph (Canada)

December 1 and 2
University of Lowell

December 8 and 9
Providence College

December 29 and 30
Curry College

January 5 and 6
University of New Hampshire

January 19 and 20
University of Wisconsin/Stevens Point

January 26 and 27
Kent State University

February 2 and 3
St. Scholastica

February 17 and 18
Humber College

All games are scheduled to start at 7:00 p.m. at the VBCC except February 18, which will be at 1:00 p.m.

Schedule subject to change.
Stay in shape with HPE non-credit courses

Are you looking for a good physical workout during lunch or after work? Does your backhand or golf swing need improving? Do you want to learn the skills necessary for racquetball, karate, or swimming?

Well, here's your chance to get all of the benefits of a sports or fitness class for as little as $5. The UAH Health and Physical Education Department offers a variety of classes for different skill levels. Some of the courses we regularly offer include aerobic dance, weight training, horseback riding, swimming, racquetball, roller skating, karate, T'ai Chi, tennis, scuba, golf, yoga, aerobatics, slalom skiing, social dance, and sailing.

If you have any further questions or would like more information about HPE courses, please call Dr. Joe Manjones, director of Personal Development, at 895-6007.

SPORTS & FITNESS CLASSES

1989 FALL HPE NON-CREDIT SCHEDULE

FOR ADULTS

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Course #</th>
<th>Dates</th>
<th>Time</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master's Swimming</td>
<td>CER 600-05</td>
<td>9/23-11/11</td>
<td>SA</td>
<td>7:00-8:00 am</td>
</tr>
<tr>
<td>Intermediate Swimming</td>
<td>CER 621-05</td>
<td>9/23-11/11</td>
<td>S</td>
<td>7:00-8:00 am</td>
</tr>
<tr>
<td>Beginning Swimming</td>
<td>CER 602-05</td>
<td>9/23-11/11</td>
<td>M Sa</td>
<td>6:00-8:00 pm</td>
</tr>
<tr>
<td>Swimnastics for Seniors*</td>
<td>CER 609-01</td>
<td>9/26-11/14</td>
<td>TH Sa</td>
<td>9:30-10:30 am</td>
</tr>
<tr>
<td>Deep-Water Workout*</td>
<td>CER 610-01</td>
<td>9/22-11/20</td>
<td>MW</td>
<td>6:00-8:00 pm</td>
</tr>
<tr>
<td>Fitness &amp; Wellness Club</td>
<td>CER 605-05</td>
<td>9/15-12/19</td>
<td>M Sa</td>
<td>When open for Swims</td>
</tr>
<tr>
<td>Japanese Acupressure</td>
<td>CER 743-04</td>
<td>9/25-11/20</td>
<td>M</td>
<td>6:30-8:00 pm</td>
</tr>
<tr>
<td>Kung Fu</td>
<td>CER 800-01</td>
<td>9/21-12/30</td>
<td>TT Sa</td>
<td>7:00-8:00 pm</td>
</tr>
<tr>
<td>Survival Seminar</td>
<td>CER 763-02</td>
<td>9/23-10/15</td>
<td>TH Sa</td>
<td>1:00-4:00 pm</td>
</tr>
<tr>
<td>Skeet &amp; Trap Shooting</td>
<td>CER 794-02</td>
<td>9/12-10/5</td>
<td>TH Sa</td>
<td>1:00-4:00 pm</td>
</tr>
<tr>
<td>Team Aerobic Dance*</td>
<td>CER 789-01</td>
<td>9/21-12/1</td>
<td>TT Sa</td>
<td>7:00-8:00 pm</td>
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<tr>
<td>UAH-Ala Force Hockey Trip</td>
<td>CER 782-02</td>
<td>2/23-2/29</td>
<td>Colorado Spr.</td>
<td>7:00-8:00 pm</td>
</tr>
<tr>
<td>Colorado Ski Trip</td>
<td>CER 737</td>
<td>2/25-3/30</td>
<td>SH/POOL</td>
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<tr>
<td>Swiss Ski Class</td>
<td>CER 706</td>
<td>3/15-3/29/90</td>
<td>SH/POOL</td>
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FOR YOUTHS

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<thead>
<tr>
<th>Course Name</th>
<th>Course #</th>
<th>Dates</th>
<th>Time</th>
<th>Fee</th>
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<tbody>
<tr>
<td>Beginning Karate</td>
<td>CER 677-08</td>
<td>9/18-11/27</td>
<td>MW</td>
<td>4:00-5:00 pm</td>
</tr>
<tr>
<td>Beginning Karate</td>
<td>CER 677-09</td>
<td>9/23-12/2</td>
<td>S</td>
<td>10:00-noon</td>
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<tr>
<td>Intermediate Karate</td>
<td>CER 681-05</td>
<td>9/11-11/28</td>
<td>TT</td>
<td>4:00-5:00 pm</td>
</tr>
<tr>
<td>Advanced Karate</td>
<td>CER 690-05</td>
<td>9/18-12/7</td>
<td>MW</td>
<td>4:00-5:00 pm</td>
</tr>
<tr>
<td>Pre-School Karate (Boy)</td>
<td>CER 633-04</td>
<td>9/23-11/11</td>
<td>Sa</td>
<td>9:30-11:30 am</td>
</tr>
<tr>
<td>Beginning Pre-School Stunts and Tumbling</td>
<td>CER 640-04</td>
<td>9/23-11/11</td>
<td>Sa</td>
<td>10:00-11:30 am</td>
</tr>
<tr>
<td>Beginning Elementary Stunts and Tumbling</td>
<td>CER 641-04</td>
<td>9/23-11/11</td>
<td>Sa</td>
<td>10:00-11:30 am</td>
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<tr>
<td>Beg. Swimming</td>
<td>CER 616-08</td>
<td>9/13-11/1</td>
<td>Sa</td>
<td>10:00-11:00 am</td>
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<tr>
<td>Intermediate Swimming</td>
<td>CER 617-07</td>
<td>9/23-11/11</td>
<td>Sa</td>
<td>9:00-10:00 am</td>
</tr>
<tr>
<td>Pre-School Swimming*</td>
<td>CER 637-05</td>
<td>9/26-11/14</td>
<td>T</td>
<td>10:00-11:30 am</td>
</tr>
<tr>
<td>Pre-School Swimming*</td>
<td>CER 637-06</td>
<td>9/26-11/16</td>
<td>TH</td>
<td>10:30-11:30 am</td>
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<tr>
<td>Intermediate Swimming</td>
<td>CER 634-09</td>
<td>9/23-11/1</td>
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<td>12:00-1:30 pm</td>
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<tr>
<td>Infaet Swimming</td>
<td>CER 634-10</td>
<td>9/23-11/17</td>
<td>F</td>
<td>3:00-3:30 pm</td>
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<tr>
<td>Infant Swimming</td>
<td>CER 635-08</td>
<td>9/23-11/1</td>
<td>Sa</td>
<td>12:30-1:00 pm</td>
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<tr>
<td>Toddler Swimming</td>
<td>CER 635-09</td>
<td>9/23-11/1</td>
<td>Sa</td>
<td>12:30-1:00 pm</td>
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<tr>
<td>Toddler Swimming</td>
<td>CER 635-10</td>
<td>9/23-11/17</td>
<td>F</td>
<td>3:30-4:00 pm</td>
</tr>
</tbody>
</table>

FOR MORE INFORMATION: call (205) 895-6007

TO REGISTER

To charge it by phone: call (205) 895-6001, or if outside Huntsville, call 1-800-448-4031

in person: come to UAH, Division of Continuing Education, Business Office, located in the Tom Bevill Center, weekdays between 8:30 a.m.-noon and 1-5 p.m.