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Dr. Louis Baccei named head of Microgravity Research Program

by Jonathan Baggs

Dr. Louis Baccei has been named manager of the Microgravity Research Program Office at the Marshall Center.

The office manages all of the microgravity experiments approved for flight on the Space Shuttle and in the U.S. Lab of the International Space Station. Microgravity — sometimes referred to as “weightlessness” — is the unique condition created as a spacecraft orbits Earth. Marshall is NASA’s lead center for microgravity experiments.

In his new position, Baccei oversees approximately 700 scientists, engineers, technicians and support personnel, as well as more than 400 university researchers conducting space-based scientific experiments.

“Our mission is to obtain new knowledge and understanding of gravity-



Baccei

dependent phenomena obscured by the effects of gravity in biological, chemical and physical systems and, when feasible, to facilitate the application of that knowledge to viable products and manufacturing processes,” Baccei said.

See *Baccei* on page 2

Goldin cites Alaska’s importance as global thermostat

NASA release

During testimony before Senate Appropriations Chairman Sen. Ted Stevens of Alaska, in Fairbanks, Alaska, May 29, NASA Administrator Dan Goldin called Alaska the nation’s thermostat for understanding climate change, and cited the need for continued research into global climate change with a special emphasis on Alaska and the Arctic region.

Goldin was one of several senior government officials testifying at the Committee’s field hearing on global climate change. The Administrator discussed NASA’s Earth Science Enterprise, a long-term research effort designed to study the role of natural and human-induced changes in our global environment.

Goldin pointed out the key role Alaska plays in global climate, and the impact of climate change on Alaska and the Arctic regions during his testimony. “It is the general understanding of the science community that changes in Alaska and the polar regions are the best early indicators of global climate change,” said Goldin. “If substantial change occurs in the

climate system, it is expected to show up first and largest in the polar regions.”

“Small changes in temperature bring large expanses of the Arctic region closer to water’s phase, a change of state from solid to liquid over longer periods of time,” added Goldin. “This can have major effects on plant, animal and human life in this broad expanse of Earth.”

Citing the successful international arctic ozone study known as SOLVE as an example, Goldin expressed the importance of international cooperation in the study of our planet’s health and he called for continuation of NASA’s long-term research into changes in the polar ice sheets and oceans that provide the “thermostat” for regulating planet Earth’s temperature.

“NASA will continue to lead the nation and the world through space-based Earth Sciences research, part of the Administration’s commitment to understanding the dynamics of our home planet’s climate change and its impact on our economy and society,” Goldin said.

Silverstein, early architect of Apollo Moon landing, dies

NASA release

Dr. Abe Silverstein, a leading figure in 20th century aerospace engineering and director of Lewis Research Center from 1961 to 1969, now the John H. Glenn Research Center Lewis Field in Cleveland, Ohio, died June 1. He was 92.



Silverstein

Silverstein began his career with NASA's predecessor, the National Advisory Committee for Aeronautics (NACA), at its Langley Research Center in Hampton, Va., in 1929. In 1943, he transferred to the NACA Laboratory in Cleveland, where he performed pioneering research on large-scale ramjet engines.

After World War II, Silverstein conceived, designed and constructed the first U.S. supersonic propulsion wind tunnel. The 10-foot by 10-foot Supersonic Wind Tunnel is still operational at Glenn, which supported the development of supersonic aircraft.

In 1958, Silverstein moved to NACA Headquarters in Washington, D.C., where he helped create and then directed efforts leading to the Mercury space flights. He later named and laid the groundwork for the Apollo missions that put the first human on the Moon.

"NASA has lost a true founding member. Early in my career,

I had the opportunity to work with Dr. Silverstein. He was a man of vision and conviction," said NASA Administrator Dan Goldin. "His effective leadership, both at Headquarters and at Lewis, directly contributed to the ultimate success of America's unmanned and human space programs, and his innovative, pioneering spirit lives on in the work we do today."

When he returned to Cleveland to become director of NASA Lewis, Silverstein was a driving force behind the creation of the Centaur launch vehicle, particularly the hydrogen-oxygen upper stage propulsion system. Silverstein demonstrated that liquid hydrogen was light, powerful and safe enough to use for rocket propulsion, thus getting the nation's space program off the ground.

In 1997, Silverstein received the prestigious Guggenheim Medal for his "technical contributions and visionary leadership in advancing technology of aircraft and propulsion performance, and foresight in establishing the Mercury and Gemini manned space flight activities."

"NASA Glenn is an outstanding Center because of Abe's leadership when NASA was a growing organization. He was an exceptionally talented engineer whose pioneering work paved the way to many successes," said Glenn Center Director Donald J. Campbell. "He was by far the cornerstone for many of the accomplishments at Glenn."

Additional information on Silverstein's career is available on the Web at:

<http://history.nasa.gov/biosos-s.html#silverstein>

and

<http://ctd.grc.nasa.gov/history/abe.html>

Baccei

Continued from page 1

Prior to joining the Marshall Center, Baccei was a principal research scientist at the College of Sciences, University of Alabama in Huntsville.

For 23 years, Baccei was with Loctite Corp. of Rocky Hill, Conn. — including 10 years as president of the company's worldwide research, development and engineering group responsible for technology and product development. The company is now a subsidiary of Henkel KGaA, a German-based manufacturer of chemicals, detergents, adhesives and cosmetics.

Baccei also served for five years as vice-president of research, develop-

ment and engineering with Bausch and Lomb of Rochester, N.Y. His responsibilities included developing materials compatible with the human body, such as drug delivery devices and contact lenses.

During his career, Baccei obtained valuable experience working with laboratories in such diverse places as Dublin, Ireland; Munich, Germany; and Yokohama, Japan.

Baccei, a native of Torrington, Conn., lived in the Hartford area for the past 10 years before moving to Huntsville in October 2000. A 1959 graduate of Torrington High School, he received a bachelor's degree in chemistry in 1963 from Central Connecticut State University

in New Britain. In 1969, he received his doctorate in organic and polymer chemistry from the University of Maryland in College Park. He is a member of the American Chemical Society and the Society for Advancement of Materials, Processing and Engineering.

Baccei is married to the former Judith Gagliardi of Hamden, Conn., and they are the parents of four grown children.

The writer, employed by ASRI, supports the Media Relations Department.

It's time to get ready for Safety Bowl

from the Safety Office

Preparations for the 2001 Marshall Center Safety Bowl in September are under way. Representative questions will be published in the Marshall Star, and additional questions will be on Inside Marshall. More details will be published soon. Here's the first set of questions.

1. True or False: Protein is the most abundant material in the body, aside from water.
2. True or False: Flexibility training is a very effective way to prevent or eliminate a back problem.
3. True or False: When all three curves are balanced in your -back, your ear, shoulder, hips, back of the knees, and ankles all line up.
4. The major source of sodium in the American diet is _____.
5. Which plant foods are used in combination to form a complete protein?
6. What does the abbreviation "JHA" stand for?
7. What is the Marshall Safety Hotline phone number?
8. Who is the Chief Safety Officer at Marshall?
9. What does red danger barricade tape mean?
10. How often should you have a safety walkthrough?

See Answers on page 6

Barbecue tips

Follow tips to ensure safety

Along with the irresistible barbecue flavor comes potential safety hazards. Regardless of the type and style of grill, certain precautions should be taken to ensure safety for all in the backyard.

Some safety tips for grilling:

- Never operate grill under overhangs, awnings or eaves. Be sure to place grill a safe distance from structures.
 - Never leave grill unattended to guard against grease fires. Grease fires can be severe and cause damage to the grill, property and persons.
 - Always pre-heat and post-heat (allow grill to burn off grease deposits) grill for safety reasons. A dirty grill is susceptible to grease fires.
 - Position portable grill away from direct wind.
 - Never store grills or the (propane) fuel tank—whether full or empty—inside home, garage or living area.
 - For child safety, remove all control knobs and store them indoors.
 - Never drill out the grill's orifice or make any other field alterations to grill.
 - Never pull grill, always push it.
 - Never move grill while it is still in operation or still hot.
 - Make sure the grill hood is fully open before lighting grill.
 - Do not store lighters, matches or any flammable materials in cabinets beneath the grill or in the vicinity of grill.
 - Before operating grill and after refueling, check to be certain all connections are tight and there are no leaks.
- For more information, check out grill's owner's manual.



Photo by Judy Pettus

Graduation time

Students graduating from the Marshall Child Care Center wait onstage after receiving their "diplomas."

Huntsville business owner named national and Alabama's 'Small Business Person of the Year'

by the Small Business Administration

Thornton Stanley, owner and president of Stanley Construction Company Inc. of Huntsville, recently was named both the national and state Small Business Person of the Year for 2001 by the Small Business Administration. Stanley was selected for these prestigious awards because of his success as the owner of a small business.

Stanley Construction Company Inc. is doing site improvements and parking lot work at Bldg. 4734 at the Marshall Center. The company also worked on Bldg. 4436 in 1999 and Bldg. 4650 in 1997.

The state award was presented to Stanley May 31 at a reception sponsored by the Huntsville/Madison County Chamber of Commerce, the Women's Business Council of the Chamber and the North Alabama African American Chamber of Commerce in Huntsville. He received the national award in Washington, D.C., last month.

Each year for the past 37 years, the president has issued a proclamation declaring Small Business Week as a time when America salutes the achievements and contributions of the nation's 23 million small businesses.

"Stanley was one of 53 top small business persons — one from each state, the District of Columbia, Puerto Rico/Virgin Islands and Guam — who were honored during Small Business Week," said Jack Wright, district director the Small Business Administration in Alabama. "I am pleased to be able to recognize Mr. Stanley for his accomplishments in improving the business environment for the local community."

The awards recognize the achievements of this outstanding entrepreneur. Stanley was nominated by the North Alabama African American Chamber of Commerce, which honored him as its Entrepreneur of the Year in 2000, noting his tenacity in



Courtesy photo

Thornton Stanley, left, receives the national Small Business Person of the Year for 2001 award from President George Bush.

growing a company by the bootstrap method, and his vision in spearheading the development of upscale neighborhoods for North Huntsville. A native of Leighton, Ala., Stanley is a 1957 graduate of Alabama A&M University.

Founded in 1961 and incorporated in 1973, Stanley Construction Company has since grown to contribute more than 55 jobs to the Huntsville job economy. Stanley Construction handles all aspects of horizontal construction, including excavating, clearing and grubbing (stumps), earthwork (cutting and filling), installing storm sewers, and pouring concrete and asphalt. One of the top 20 subcontractors of Alabama, as selected by Business Alabama Magazine, Thornton attributes his success to his "hands on" approach, visiting each construction site daily.

Wright noted that Stanley was judged on seven basic criteria: staying power (a substantiated history as an established business); growth in number of employees (a benchmark to judge the impact of the business on the job market); increase in sales and/or unit volume (an indication of continued growth); current and past financial reports (a substantiation of the improved financial position of the business); innovativeness of product or service offered (an illustration of the creativity and imagination of the nominee); response to adversity (examples of problems faced in the nominee's business and the methods used to solve them); and contributions by the nominee to aid community-oriented projects (evidence of the use of his/her personal time and resources).

Job Opportunities

CPP-01-043-GF, Aerospace Engineering Technician, GS-802-12, Engineering Directorate, Structures, Mechanics and Thermal Department Structural Design Group. Closes June 20.

CPP-01-011-JB, AST, Project Management, GS-801-14, Space Transportation Directorate, Development Projects Office. Closes June 14.

CPP-01-041-RE, Engineering Technician, GS-802-12, Engineering Directorate, Materials, Processes and Manufacturing Department, Metallic Materials and Processes Group. Closes June 20.

CPP-01-042-RE, AST, Mechanics of Materials, GS-806-14, Engineering Directorate, Materials, Processes and Manufacturing Department, Nondestructive Evaluation and Tribology Group. Closes June 14.

Melkerson leads execution, planning of payload missions on International Space Station

by Jonathan Baggs

Eric Melkerson, a payload operations director at Marshall's Payload Operations Center, is playing an important role in the worldwide science operations for the International Space Station.

In his position, Melkerson leads the Operations Center flight control team in the execution and planning of payload operations. As director, he guides all payload activities in coordination with Mission Control in Houston, the Space Station crew, the International Partners, and other research facilities.

Until recently, Melkerson supported the payloads community as a Shuttle operations coordinator. In that position, he was responsible for monitoring all Space Station payloads — the science experiments and facilities — while they are aboard the Shuttle. He also helped plan science missions and coordinated communications between scientists on the ground with astronauts aboard the Space Station.

Melkerson, a native of Highland Park, Ill., joined the NASA Space Station team in 1989 as an attitude determination and control officer at the Johnson Space Center in Houston, and recently moved to his new position at Marshall.

Managing the science activities — as well as the time and space required to accommodate experiments and programs



Photo by Emmett Given, NASA/Marshall Space Flight Center

Melkerson joined the NASA Space Station team in 1989 at Johnson Space Center.

from a host of private, commercial, industry and government agencies worldwide — makes the job of coordinating Space Station research a critical one.

Three shifts of 13 to 19 flight controllers staff the Payload Operations Center around the clock.

The Payload Operations Center — the science command post for the Space Station — became fully operational with the launch of the Space Station crew March 8.

The facility is housed in a section of the Huntsville Operations Support Center — a historic complex that provided

engineering support for Apollo, Skylab and Space Shuttle launches, as well as Hubble Space Telescope and Chandra X-ray Observatory operations. The complex also houses the Spacelab Mission Operations Control Center from which more than 25 Shuttle-based science missions were controlled.

More information on the Payload Operations Center and the Space Station science operations can be found on the Internet at:

<http://www.scipoc.msfc.nasa.gov>

The writer, employed by ASRI, supports the Media Relations Department.

Savings Bond Drive 2001

You can save for your future through payroll deduction

from the Human Resources Department

Saving for a child's education, retirement, vacations or a down payment on a new home? Plan for the new millennium by joining in, or increasing your participation in, a regular savings plan that will help you achieve financial security for whatever lies ahead.

When you enroll in the U.S. Savings Bonds Payroll Savings Plan, your savings are set aside for you before you receive your paycheck. No decisions, no hassles. Today's bonds pay competitive interest rates and the interest accrues monthly.

A new feature to this year's drive is that Series I Bonds, as well as Series EE Bonds, are now available through payroll deduction. There are even more great reasons why U.S. savings bonds are an intelligent way to save — just ask current savers.

For more information about the Savings Bonds Campaign, call Edwina Bressette at 544-8115, or stop by Bldg. 4200, room 328C. She will have all the forms you need to make changes in your Savings Bond deductions or to open a new savings plan.

You can also find lots of interesting information and software on the Web at: www.savingsbonds.gov

Chandra sees wealth of black holes in star-forming galaxies

Marshall news release

NASA's Chandra X-ray Observatory — managed for NASA by the Marshall Center — has found new populations of suspected mid-mass black holes in several starburst galaxies, where stars form and explode at an unusually high rate. Although a few of these objects had been found previously, this is the first time they have been detected in such large numbers and could help explain their relationship to star formation and the production of even more massive black holes.

At the 198th meeting of the American Astronomical Society in Pasadena, Calif., three independent teams of scientists reported finding dozens of X-ray sources in galaxies aglow with star formation. These X-ray objects appear point-like and are ten to a thousand times more luminous in X-rays than similar sources found in our Milky Way and the M81 galaxy.

“Chandra gives us the ability to study the populations of individual bright X-ray sources in nearby galaxies in extraordinary detail,” said Andreas Zezas, lead author from the Harvard-Smithsonian Center for Astrophysics team that observed The Antennae, a pair of colliding galaxies, and M82, a well-known starburst galaxy. “This allows us to build on earlier detections of these objects and better understand their relationship to starburst galaxies.”

Kimberly Weaver, of NASA's Goddard Space Flight Center in Greenbelt, Md., lead scientist of the team that studied the starburst galaxy NGC 253, discussed the importance of the unusual concentration of these very luminous X-ray sources near the center of that galaxy. Four sources, which are tens to

thousands of times more massive than the Sun, are located within 3,000 light years of the galaxy core.

“This may imply that these black holes are gravitating toward the center of the galaxy where they could coalesce to form a single supermassive black hole,” Weaver suggested. “It could be that this starburst galaxy is transforming itself into a quasar-like galaxy as we watch. In NGC 253, Chandra may have found the causal connection between starburst activity and quasars.”

Chandra detected variability and a relatively large ratio of high- to low-energy X-rays in these sources — two characteristics of superheated gas falling into black holes. When combined with extreme luminosities, this tells astronomers that some of these objects must have masses many times greater than ordinary stellar black holes, if they radiate energy uniformly in all directions.

An alternative possibility, mentioned by Giuseppina Fabbiano of the Harvard-Smithsonian team, is that the X-rays from such highly luminous sources are beamed toward us — perhaps by a funnel formed by the infalling matter. This would imply that the mass of the underlying black hole is only about 10 times the mass of the Sun, in line with the known black hole sources in our galaxy. In this event, they would represent a short-lived but common stage in the evolution of black holes in close binary star systems. Long-term monitoring of the very luminous X-ray sources should distinguish between these possibilities.

Images associated with this release are available on the World Wide Web at:

<http://chandra.harvard.edu>

AND <http://chandra.nasa.gov>

Answers

Continued from page 3

Answers to the Safety Bowl Questions:

1. True
2. True
3. True
4. Processed foods.
5. Legumes and grains (or rice and beans)
6. Job Hazard Analysis
7. 544-0046
8. Art Stephenson
9. A major hazardous situation exists that presents a danger of death or serious injury & MUST NOT BE CROSSED
10. Once a month

New Team Redstone exhibit showcases Army of today, the future

from the U.S. Space & Rocket Center

The U.S. Army's 226th birthday on June 14 has added significance in Huntsville with the same-day opening of a new exhibit at the U.S. Space & Rocket Center.

“Team Redstone — Supporting the Army Transformation” is a 2,600 square-foot exhibit designed to showcase current weapons technology and the role of Redstone Arsenal and the Aviation and Missile command (AMCOM) in national defense.

The exhibit is a team effort with the Army Program Executive Offices for Air and Missile Defense, Aviation and Tactical Missiles; along with program,

project and product managers; industry and other government agencies.

A ribbon-cutting ceremony will be held at 1:30 p.m. June 14. The exhibit opens to the public at 2:30 p.m.

The permanent exhibit includes both full-size and scale models of approximately 50 artifacts including missiles and weapons systems, helicopters, fixed-wing aircraft and related hardware.

Team Redstone will be located on the main museum floor between the Mars Mission Simulator and the Mars Climbing Wall. It is the collaborative effort of AMCOM, the Space & Rocket Center, and The Taylor Group, an Atlanta firm that constructed and installed the exhibit.

Center Announcements

Spot bid sale

The Marshall Center will hold a drop-by spot bid sale from 9 a.m.-2 p.m. June 12 at Intergraph, Bldg. 21, at 470 Dunlop Blvd. in Huntsville. This sale will consist of approximately 30 lots of computer systems — four of them laptops — and approximately 30 lots of furniture — consisting of desks, chairs, bookcases and filing cabinets. Bids will be placed on bid cards with the highest bid at sale closing being awarded the lot. For more information on the administrative processes, call 1-877-472-7068.

For general information, call Greg Tate at 544-1774, or visit the Web at: <http://regions.fss.gsa.gov/r04/pdf/1101.pdf>

Thrift Savings Plan

The Thrift Savings Plan Open Season is under way through July 31. This is a chance for employees to start or change the amount of their contributions. The form for enrolling or increasing contributions is available on the Web at: www.tsp.gov. For more information, call Debbie Allen at 544-7536 or Ginger Martin at 544-5654.

NSSTC parking lot closed

During annex construction at the National Space Science and Technology Center (NSSTC), the north parking lot will be closed. If visitors are unable to find parking in the south parking lot, additional parking is available in the northwest and upper south parking areas, accessible from Bradford Drive north of the NSSTC building. This entrance is open 7:30 a.m.-4:30 p.m. All other outside doors require key cards.

Upcoming Classes

Listening, coping classes

Workshops on coping with tough times and improving listening skills will be held June 28 in Bldg. 4200, room G-13D. Coping with Tough Times: How You Can Turn the Negatives in Your

Life into Positives will be from 8-11:30 a.m. The course teaches how to activate the positive forces within you and eliminate the negatives from your personal and professional life. Improve Your On-the-Job Listening and Speaking Skills will be from 12:30-4 p.m. This course teaches how to communicate well with others. For more information, call Chrissa Hall at 544-5468. Register via AdminSTAR.

Clubs and Meetings

NARFE meets

The National Association of Retired Federal Employees (NARFE) will meet at 9:30 a.m. Saturday at the Senior Center on Drake Avenue. Mike Gillespie, chairman of the Madison County Commission, will discuss county government operations, coordination with Huntsville, and problems faced by the county when faced with the lack of "home rule." For more information, call 881-4944 or 881-3168.

NASA Exchange

'The Mikado'

Marshall team members can receive a \$1 discount on tickets for "The Mikado" by presenting their badge. Performances will be held at the Von Braun center Playhouse June 8-9 and June 15-16 at 7:30 p.m. There also will be a June 10 matinee at 2:30 p.m. For details, call Bill Mayo at 544-7564.

Sports

Women's Golf

The Huntsville Chapter of the Executive Women's Golf Association would like to welcome all levels of lady golfers. Whether you're a new golfer looking for a welcoming environment to properly learn the game, or an experienced golfer seeking the challenge of our championship golf series, the golf association offers

events and activities to meet your needs. For more information, log-on to our Web site at: www.EWGA.com or at www.EWGAhuntsville.com. You can also call the hotline at (256) 852-9184 or e-mail Ginger Ferguson at fergieg@netzero.net.

Veterans night out

Lynn Layton Chevrolet of Decatur and LWDRM radio are sponsoring a veterans night out at the Huntsville Stars baseball game June 23. All veterans are invited to honor Korean War Veterans and families with free admittance. The patriotic program begins at 6:30 p.m. with music, speeches, recognition of our veterans and families and singing of the National Anthem. Gates open at 6 p.m. Free tickets are available at the gate.

NASA Ski Week

The 11th Annual NASA Ski Week will be hosted at Banff/Lake Louise in British Columbia, Canada, on March 9-16, 2002. Skiers from six NASA Centers will gather at three different resorts constituting 7,500 skiable acres. All Marshall employees, on-site contractors, retirees and dependents are eligible to participate. For more information, call 1-233-0705 or send an e-mail to: Thomas.S.Dollman@msfc.nasa.gov

Golf tournament

A two-person best score tournament will be held June 16 at Chesley Oaks. Entry deadline is June 8. The entry fee is \$5. Greens fees and cart fees will vary depending on the course. To enter the tournament, call Lee Foster at 544-1589, Joey Butler at 544-3808 or Robert Rutherford at 544-8117.

Tennis tournament

There will be an open doubles tennis tournament at 8 a.m. June 16. At least one person must be a member of the MARS Tennis Club. For details, call 544-6809.

Employee Ads

Miscellaneous

- ★ Aluminum boat, 17', trailer, 55HP motor, trolling motor, 2-live wells, depth finder, carpeted, \$2,400. 881-6143
- ★ Oversized chair, 1-1/2, neutral ivory color, two pillows, \$100. 828-9651
- ★ Craftsman lawnmower, 3.8HP, 20" blade, side bag, lift and mulch blades, \$60. 961-7645
- ★ Aluminum bass boat w/trailer, 50HP Mercury outboard motor, garage stored, \$3,500. 772-9431
- ★ Mini-trampoline, \$15; York package 3-ton heat pump w/thermostat, manuals, some ducting, \$300. 881-6040
- ★ Baby bathtub, \$5; Angel bears musical mobile, \$5. 852-2145
- ★ New vinyl ski vest, size 40-42, Coast Guard approved, \$25. 883-8257
- ★ Mac G3 Powerbook 233/160MB RAM/2GB/56k external re-writable CD burner, \$700. 961-7793
- ★ Fiberglass bed cover for 95 Nissan King-Cab, \$325; New Braunfels steel smoker, \$100. 864-0362
- ★ Play-station 2 w/2 games (Onimusha, Zone of the Enders w/metal gear 2 demo), extra controller, memory card, \$300. 230-6382 after 6 p.m.
- ★ NordicTrack cross-country ski exercise machine, \$200. 533-9683
- ★ Canon BJC 5100 721x1440 color printer, \$75. 682-5181
- ★ One set, 1996 Longaberger basket ornaments, \$25. 852-6335
- ★ Collection of M.I. Hummel figurines and porcelain team set w/tray. 837-6038
- ★ Direct TV receiver, dish, remote and tripod, \$100. 931-968-0717
- ★ Complete 200 Mhz MICRON system, 2.1GIG HD, 32MEG, 14"NEC monitor, 56K Modem, \$225. 881-2182
- ★ Boy's 24" Trek Mountain Bike, 21-speed, red/yellow, \$220. 533-5942
- ★ Alabama Starter jacket, adult size small, \$60; Ladies 26" bicycle, 18-speed, \$60, electric amplifier, \$100. 859-1947
- ★ Queen-size platform waterbed w/12 large storage drawers, bookcase headboard,

- padded side and end rails, \$200. 533-4657
- ★ Amateur HF transceiver Kenwood TS850SAT w/hand mic, built-in tuner, boxes and manual, \$850. 881-0533
- ★ Brunswick pool table, paragon oak w/ cherry finish, navy blue felt, 1" slate, drop leather pockets, all accessories, \$2,000. 509-3392
- ★ Kitchen table, solid wood w/six chairs, \$200 obo; 1.5 year old cherry claw foot coffee table, \$75 obo. 509-3392
- ★ 1991 Spectron fish and ski boat, 19' aluminum, 90HP Force engine. 464-6928
- ★ Trane heat pump w/gas pack, 3-ton unit, less than 5 yrs. old., \$1,000 obo. 536-3390
- ★ Antique solid oak dining room suite circa 1890s, table with six chairs and buffet. 881-3797
- ★ Golf clubs 3 and 5, metal woods, graphite shafts. \$30 each. 881-5642

Vehicles

- ★ 1995 Buick LeSabre Limited, 77K miles, new tires and battery. Major maintenance done. Original owner. 881-7819
- ★ 1989 Nissan Stanza GXE, auto, no air, runs good, needs trans. Or buy for parts. (256) 614-0044
- ★ 1998 Cadillac Catera, sage, 49K miles, leather, Bose CD, alum/alloy wheels, memory pkg., S/RVM/GDO, \$15,750. 256-582-5210
- ★ 1979 Chevy pickup, 93K miles, automatic, long bed, tool box, good tires, \$1,450. 650-0677
- ★ 1989 Volvo 74OGLE, silver w/gray cloth interior, all-power, sunroof, ASB brakes, airbag, fog-lights, 151K miles, one-owner, \$4,900. 461-7490 after 5 p.m.
- ★ 1993 Dodge Grand Caravan SE, one-owner, many new parts, service records, \$4,800 obo. 895-9520
- ★ 2000 Toyota Tacoma XTD cab, 4x4, SR5 package, 13.5K miles, warranty, \$22,000 obo. 859-2633
- ★ 1986 Ford F150 extended cab pickup, beige, 6-cyl., manual w/overdrive, a/c, power brakes/steering, new tires, hitch, \$1,900. 778-9149
- ★ 1994 Dodge Grand Caravan SE, sport package, one-owner, dual air, new

- Michelins, 103K miles, \$5,500. 837-5590
- ★ 1998 GMC Sierra SL C1500, 4.3/V-6, long bed, tilt/cruise, alloy wheels, new tires, \$7,950. 256-753-2278
- ★ 1969 Camaro, all items new, primer, needs paint and upholstery, 400 SB, 4-speed Muncie, 3.73 rear-end, \$9,000 obo. 509-3392
- ★ 1995 Chevrolet Z71 X-cab, navy w/chrome, \$12,000. 931-4678
- ★ 1997 Chevrolet Z71, extended cab pickup, hunter green, 77K miles, \$17,500. 837-3672/Greg
- ★ 2000 Nissan Altima GLE, one-owner, 26K miles, warranty PB/PS, leather, sound system, auto, \$14,950. 256-774-3598/256-656-8709
- ★ 1992 Dodge Caravan, 96.9K miles, cold air, \$3,999 obo. 461-4908
- ★ 1997 Ford F150 Lariat, extra-cab, automatic, V-8, leather, towing package, CD changer, new tires, \$13,750. 216-8868

Wanted

- ★ Inexpensive guitar for beginner. 961-1841
- ★ Daily carpool from Nashville, Tenn., to Redstone Arsenal. 615-662-4267

Found

- ★ Bracelet, outside Redstone Federal Credit Union. Call 544-4133 to identify
- ★ Bracelet, in parking lot of Bldg. 4487. Call 544-3530 to identify

Lost

- ★ Black reading glasses in brown case, near Bldg. 4705. 544-6357 if found

Free

- ★ Pine trees suitable to make a pole building. 881-6040
- ★ Railroad ties, 25. 682-5181
- ★ Kittens to good home, 6 wks. old, 1 solid white, 2 striped black/gray/white. 796-1073

MARSHALL STAR

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