



"We bring people to space — We bring space to people"

NASA, Dreamtime partnership propels space information age to new heights

Internet portal, interactive space experiences, digital images planned by new venture

The hard work Marshall's Digital Television Project Office has been doing since 1997 paved the way for a groundbreaking agreement between NASA and Dreamtime Holdings Inc.

The two formed a partnership June 2 that will deliver the adventures of the space frontier through the new technologies of the digital frontier.

Johnson Space Center's Brian Kelly in Houston will manage the partnership, working with Rodney Grubbs, deputy collaboration manager for NASA/Dreamtime at Marshall. Authorization for the agreement falls under the Space Station program.

In February 1999, Grubbs briefed Joe Rothenberg, NASA's associate administra-

See DTV on page 5



Photo by Sandy George

Lindblom, of Marshall's Digital TV Project Office, films the Super Guppy as it takes off carrying International Space Station components.

NASA HQ honors Marshall Center leaders

NASA Administrator Daniel Goldin on Thursday honored Marshall Center leaders for their service to America's space agency. The awards were presented during the 2000 honor awards ceremony at NASA Headquarters in Washington, D.C.

Marshall Center Director Art Stephenson received NASA's Outstanding Leadership Medal for chairing the Mars Climate Orbiter Mission Failure Investigation Board last year. The medal is awarded to individuals for notably

See Leaders on page 2

Marshall employees to be recognized during annual honor ceremonies Tuesday

Employees who have made exceptional contributions to America's space program will be recognized for their efforts at the Marshall Center annual honor ceremonies Tuesday. Civil service and contractor employees will be honored.

Joseph H. Rothenberg, associate administrator for Space Flight, and Marshall Center Director Art Stephenson will present the 388 awards in 16 categories.

Agency Honor Awards will include medals for Distinguished Service, Distinguished Public Service, Outstanding Leadership, Exceptional Scientific Achievement, Exceptional Engineering Achievement, Exceptional Service, Exceptional Achievement and Public Service. NASA Group Achievement Awards also will be presented.

See Honor on page 2

"Safety Protects People"

— *Safety slogan submitted by Sharon Carswell, TD03*

June is National Safety Month

Proper safety awareness helps to combat injuries

Four safety topics are being featured during National Safety Month: workplace safety, home safety, community safety awareness and driving safety. Visit the following Web sites to learn important facts and statistics on each topic: http://www.nsc.org/aware/nsm/fcts_sts.htm

Workplace safety: <http://www.nsc.org/aware/nsm/worktop.htm>

The most common workplace incidents at Marshall since October 1999 are cuts/punctures (24) and carpal tunnel-like symptoms (14).

The Industrial Safety Office offers the following safety precautions to combat these injuries:

- Be alert to potential cut/puncture hazards before an accident can happen.
- Store sharp objects with the point down.

- Wear Personal Protective Equipment (when required for the job you perform).

- Select tools designed to keep wrists straight to help avoid repetitive motion overuse problems.

- Rest your hands periodically and perform hand exercises regularly to help relieve strain caused by tasks requiring repetitive motions. If you would like a handy reference, at-your-desk exercise brochure, call Joyce Eagan at 544-3996.

- Slow down when working with paper to prevent potential paper cuts.

- Use the proper tool to open boxes (e.g., box cutter instead of scissors).

Home safety: <http://www.nsc.org/aware/nsm/hometop.htm>

Community safety awareness will be highlighted June 18-24 at: <http://www.nsc.org/aware/nsm/commtop.htm>

www.nsc.org/aware/nsm/commtop.htm

Driving safety will be highlighted June 25-July 4 at: <http://www.nsc.org/aware/nsm/drivetop.htm>

You can test your Safety IQ by taking the quiz at: <http://www.nsc.org/aware/test.htm> to learn how "safety smart" you really are.

The National Safety Council offers links to ongoing efforts of the Council and to publications that can help educate employees and their families on safety, health and environmental issues. Visit <http://www.nsc.org/aware/soup.htm>.

Also, don't forget to visit to visit the Marshall Safety, Health and Environmental Home Page at: <http://inside.msfc.nasa.gov/index.html/she.html> for additional information.

Leaders

Continued from page 1

outstanding leadership that has a pronounced effect on NASA's technical or administrative programs.

The Distinguished Service Medal – NASA's highest honor – was presented to John W. Kilpatrick Jr. and W. Neill Myers.

Kilpatrick, deputy director of Marshall's Engineering Directorate, was cited for his dedicated and innovative leadership in the conception, formulation and implementation of an effective systems management oversight capability for the Marshall Center.



Kilpatrick



Myers

Myers, an engineer specializing in propulsion systems in the Space Transportation Directorate was honored for sustained innovation, significant service, extraordinary contributions and engineering achievement for the advancement of space transportation propulsion systems and vehicles supporting NASA's mission.

Also recognized were employees selected last year to receive the

Presidential Rank of Meritorious Executive Award – an honor presented to a select few civil service senior executives who demonstrate outstanding leadership in producing results.

Marshall recipients of this award were Carolyn S. Griner, deputy director of the Marshall Center; Tereasa H. Washington, director of the Marshall's Customer and Employee Relations Directorate; Dr. Ann F. Whitaker, manager of the Materials, Processes and Manufacturing Department in the Engineering Directorate; and V. Keith Henson, manager of the Space Shuttle Reusable Solid Rocket Motor Project until his retirement earlier last year.

The Marshall Center is NASA's premier organization for developing space transportation and propulsion systems and for conducting microgravity research. Marshall also is NASA's Center of Excellence for Space Propulsion.

Honor

Continued from page 1

Marshall Center Honor Awards will include Patent Awards, Software of the Year Awards, Inventor of the Year Awards, Technology Transfer Awards, Research and Technology Awards, Marshall Group Achievement Awards, NASA Certificates of Appreciation, Director's Commendation Certificates and Marshall Certificates of Appreciation.

Materials Conference

Dr. Arnauld Nicogossian, right, NASA's associate administrator for life and microgravity sciences, speaks to attendees at the Microgravity Materials Science Conference June 6 at the Von Braun Center.



Photo by Terry Leibold, NASA/Marshall Space Flight Center

Space Transportation names new managers

Mike Allen has been named deputy director of Marshall's Technology Evaluation Department. Mark Fisher has been chosen to head the X-34 project, replacing Allen. Both positions are within Marshall's Space Transportation Directorate.

In his new position, Allen is responsible for day-to-day activities at Marshall's propulsion test area. His 14-year career at Marshall includes serving as both deputy project manager and project manager for the X-34 rocket plane test vehicle, and working in the Space Shuttle Main Engine and Solid Rocket Booster project offices.

Allen also has represented Marshall's Space Shuttle Program Office at NASA Headquarters in Washington, D.C., supporting the associate administrator for space flight.

Fisher's new responsibilities include overseeing development and testing of the X-34 reusable, sub-orbital test vehicle — designed to demonstrate key technologies to help lower the cost of putting a payload into space from \$10,000 per pound to \$1,000 per pound. He also will oversee development and testing of the MC-1 engine, which will power the X-34.

Fisher began his NASA career in 1990 in the Marshall Center's Propulsion Laboratory. He most recently led the Vehicle Subsystem Engineering Group, responsible for vehicle engineering of all flight projects in Marshall's Space Transportation Directorate.



Allen



Fisher

Upcoming Events

Super Guppy — NASA's Super Guppy aircraft will be on display for Marshall team members from 4-6 p.m. June 26 at the Redstone Field. The aircraft is stationed at Ellington Field in Houston and is used primarily to support the shipment of oversized Space Station hardware. The flight crew will be on-hand to answer any questions.

National Geographic Explorer — CNBC will air a National Geographic Explorer episode entitled "Destination Space" at 7 p.m. Sunday and on June 24. Microwave Lightcraft research, partially funded by the Marshall Center's Advanced Space Transportation Program, will be featured. For more information, visit the Web at: <http://www.nationalgeographic.com/tv/explorer/exp061800.html>

Joint Propulsion Workshop — The 36th Joint Propulsion Conference & Exhibit will be July 16-19 at the Von Braun Center in Huntsville. NASA-badged employees will be able to attend the conference free under a block registration, but must buy tickets to the awards luncheon and a Monday box lunch. Early registration for Marshall contractors and other attendees begins Friday. Register online at: <http://www.aiaa.org/calendar/joint00reg.html>

'Take Our Children to Work Day' — Marshall will celebrate "Take Our Children to Work Day" June 22. Approximately 500 children have been registered to participate. Registration ends Friday. Activities include badge pickup from 7-9 a.m.; pizza and soda lunch from 11:30 a.m.-1:30 p.m. at the picnic area beside Bldg. 4752, and the Space Station Mock-up in Bldg. 4625 will be open for tours from 1:30-2:30 p.m. For more information, visit the Web at: www1.msfc.nasa.gov/tocw

Annual Retiree Dinner — Marshall's annual retiree dinner will be Aug. 17 at the Von Braun Center.

AIAA to present awards to Marshall team members

by Ivy Hübler

The American Institute of Aeronautics and Astronautics will present outstanding achievement awards to six Marshall team members at 6 p.m. Thursday at the Redstone Officers and Civilians Club.

Ralph Carruth, group lead of the Environmental Effects Group in the Materials, Processes and Manufacturing Department at Marshall, will receive the Hermann Oberth Award, sponsored by the Lockheed Martin Corp.



Carruth

The award represents outstanding individual scientific achievement in astronautics or for the promotion and advancement of the aeronautical sciences.

Carruth, who has worked at Marshall for 19 years, is an internationally recognized expert in space

environmental effects and high voltage system interactions with plasma environments.

Ed Pruett, manager of NASA programs at Lockheed Martin's corporate office in Huntsville, will receive the Holger Toftoy Award, sponsored by Lockheed Missiles and Space Company Inc. The award represents outstanding technical management in aeronautics and astronautics.

Pruett is responsible for business development at Marshall; Stennis Space Center, Miss.; Johnson Space Center, Houston; and Kennedy Space Center in Florida.

Other award's include the Martin Schilling Award, the Professional of the Year Award, the Young Aerospace Engineer of the Year Award, and the Software Engineer of the Year Award.

Todd Honeycutt, who recently opened the Huntsville Office of Systems, Technology and Science Corp., will receive the Schilling Award for his contributions to growth, technical

programs and administrative functions in the Alabama-Mississippi Section. The award, named for the section founder Dr. Martin Schilling, recognizes outstanding service to the section. The award is sponsored by Teledyne Brown Engineering.

Dr. Brian Landrum, associate professor of mechanical and aerospace engineering at the University of Alabama in Huntsville, will be honored as Professional of the Year for his achievements in the aerospace industry. He teaches courses in fluid dynamics, thermodynamics and aerodynamics. He is engaged in research in rocket based combined cycle inlet/ejector performance, micro-hybrid rockets and advanced plasma propulsion.

This year's Young Aerospace Engineer of the Year Award recipient, given to engineers age 35 or younger, is Joe Sims. Sims is a propulsion engineer with Marshall's Main Propulsion Systems Team. He is involved in research and development tests supporting cryogenic fluid management, and in design, development and testing of the International Space Station Propulsion module.

Tom Hancock, lead engineer with Averstar for NASA's Independent Verification and Validations efforts at Marshall, is AIAA Software Engineer of the Year for his outstanding achievement in flight software development, design and testing. He performs independent verification and validation of flight software developed for the Space Station program at Marshall.

The writer is a volunteer summer intern with the International Relations and Communications Department.



Photo by Emmett Given, NASA/Marshall Space Flight Center

AIAA award winners from left are Hancock, Sims, Landrum and Honeycutt.

Obituaries

Sims, Frank W. 73, of Harvest, Ala., died May 18. He retired from Marshall in 1973 where he worked as a quality assurance specialist. He is survived by his wife, Milli Jean Sims.

Mullins, Leaman H., 78, of Taft, Tenn., died June 2. He retired from Marshall in 1982 where he worked as an aerospace engineering technician. He is survived by his wife, Patsy Lones Mullins.

Are you ready to BOWL?

Are you ready for all those safety classes to pay off? Are you good at question and answer type competitions? Do you have the best safety common sense organization at Marshall?

If you answered yes to any of these questions, then you're ready to BOWL — in Marshall's First Safety Bowl!

The Marshall Safety Bowl, similar to a "college bowl," is a competition between 16 teams of people from all the directorates and offices, both contractor and civil service. Each team will consist of four starting members and two alternates.

The Safety Bowl will be based on each team's ability to quickly answer easy safety questions, to be published in advance in the Marshall Star, Daily Planet, Inside Marshall and the upcoming Marshall Safety Action Team's Web page. Questions will address topics like home, work place, personal, recreational, fire, water and weather safety.

The members of your Safety Bowl Team will be chosen by any method your directorate or office wishes. If they need help, a safety action team Safety Bowl representative can assist with the selection process. All teams' members must be selected by Aug. 7.

The Safety Bowl will start with the Sweet 16 competitions

Aug. 30 and Sept. 6, move to the Elite 8 competition Sept. 27 and culminate in the Final 4 and championship matches on Safety Day, Oct. 18. The team that wins the final match will take home a trophy, to display and brag on until next year's competition!

Ask your Safety Bowl representative how to get on the team, start looking for those questions and then get ready to BOWL! Here are a few questions to get started.

1. What is the Marshall Safety Goal?
2. What does the abbreviation "JHA" stand for?
3. What is the most common type of cancer?
4. What is the best defense against fire?
 - a) Fire extinguishers
 - b) Evacuation plans
 - c) Fire alarms
 - d) Prevention
5. What is the No. 1 cause of weather-related deaths?

Answers can be found on page 7.

If you have any questions regarding the Safety Bowl, contact your organization's representative or call Irene Taylor at 544-2051.

DTV

Continued from page 1

tor for space flight, on the possibilities of digital television. "He said the only way we could implement digital television — because of the \$60 million cost — was to commercialize," Grubbs said. "This agreement between NASA and Dreamtime is a culmination of more than a year's effort."

"This deal would not have been possible without the work we have done from 1997 until now," said Sheila Cloud, director of Marshall's Center Operations Directorate. "Rodney and his team should be extremely proud of their significant contribution to this NASA and Dreamtime partnership."

Marshall's team also includes Walt Lindblom and Sandy George of Computer Sciences Corp., who will provide technical support.

The unprecedented agreement, for seven years with a rolling five-year option, includes provisions to provide, for the first time, high-definition television coverage of astronaut activities aboard the International Space Station and on Space Shuttle

missions. It also will create an easily accessible, Web-searchable, digital archive of the best of NASA's space imagery.

Dreamtime, at Ames Research Center in Mountain View, Calif., was selected from 12 offers.

"Not only does this bring the space program into partnership with Silicon Valley," said NASA Administrator Dan Goldin, "but the partnership also puts NASA at the forefront of the information age. This is innovative government at its best."

The NASA-Dreamtime partnership will provide unprecedented public access to space exploration by creating a state-of-the-art multimedia portal, www.Dreamtime.com, that will, with the click of a mouse, open the door to thousands of images, sounds, documents, blueprints and plans from NASA's currently underused archives.

Roll out of the in-depth portal site will begin within the next several months.

"Our goal of engaging more Americans in the exploration of space will be made

possible through this partnership," Goldin said.

"We're proud to be partnered with NASA in this historic undertaking," said Bill Foster, Dreamtime's chairman and chief executive officer. "To us, space is the great adventure, and this is the perfect marriage of high tech and high emotion. The opportunity to educate and excite is at the heart of this venture."

Dreamtime's commercial partners in this venture include the Endeavor Agency, Excite@Home, Lockheed-Martin, Sumitomo Bank and Omnicom.

Carleton Ruthling will serve as Dreamtime's president and chief operations officer. Nancy Conrad, widow of former Apollo astronaut Pete Conrad, is the first person to join Dreamtime's board of directors.

Job Opportunity

CPP 00-77-CL, Supv, AST, Aerospace Flight Systems, GS-861-15, Flight Projects Directorate, Flight Systems Department, Nodes 2/3/ Program Group. Closes June 19.

At AARP convention

Marshall shines with exhibits, displays in Orlando

by Jonathan Baggs

The house came down as the Space Shuttle lifted off during the American Association of Retired Person's "Celebrate 2000" convention in May.

It wasn't only a video presentation of a Space Shuttle launch that attracted so many to NASA exhibits at the convention in Orlando, Fla., but the hands-on exhibits and demonstrations.

Marshall Exhibits Coordinator John Dumoulin said some NASA participants included experts from Public Affairs; Space Sciences; Life and Microgravity Sciences and Applications; Space Flight; Earth Science; and Aerospace Technology. More than 60 NASA representatives were on hand to answer questions.

Of the 45,000 people who attended the convention, 90 percent toured the NASA exhibits, said Jackie Gorzynski, an employee of AI Signal Research Inc. and chief of exhibit operations for the Media Relations Department's Exhibits Program at Marshall. About 3,000 people heard the keynote address by astronaut Robert Cabana. Those figures show rocket science is a hit with retirees.

Marshall coordination

Marshall was NASA's lead center for coordinating the agency's convention displays and demonstrations. This was possible because Gorzynski has served as NASA's representative on the AARP Exhibits Advisory Council for six years. "It's through direct participation on this board and working with convention directors through AARP that I'm able to arrange for the space, amenities and speaking sessions for NASA," she said.

NASA's free exhibit space, at the AARP meeting totaled 10,000 square feet this year. The space was donated but ordinarily would have cost \$170,000.

Gorzynski said attending the convention is in keeping with NASA's charter to educate the public about the agency and its programs.

Dumoulin said the convention allowed NASA to nurture its partnership with AARP.

"AARP has many objectives that are in line with NASA's goals. Specifically, one of AARP's goals is to build a future for the next generation of AARP members. So they are very involved in areas like education. And so is NASA. When our goals are similar, if there is a way for us to partner in our objectives, going to a national convention is a way to open a relationship."

"What Marshall gets out of it is direct access to NASA's shareholders and customers," Dumoulin said. "I'm talking about personal, one-on-one interaction. The convention visitor gets a chance to talk one-on-one with a NASA employee."

"It was a great turnout," said Linda Dinges, resources lead for the Shuttle Projects Office. "I was really impressed with the technical questions they asked."

The video of a Space Shuttle launch proved to be a crowd-



Courtesy photo

Tom Engler, at right in booth, and Dinges, left in booth, of Marshall's Shuttle Program Office, speak to AARP retirees.

pleasing attraction, said Dinges. "Everybody stopped and watched it every time we showed the video," she said. "They loved it. You could feel the vibrations when the Shuttle took off. I think Marshall captured most of the audience. We brought the house down."

Be Trieu, control system engineer in Marshall's Technology Evaluation Department, said many AARP members asked when NASA's next generation reusable launch vehicles would be ready for flight. "They were really interested in what we are doing and very supportive of what we are doing. They were not surprised about Marshall's role."

Marshall is NASA's lead center for developing the nation's future reusable space transportation systems and unlocking the potential of space by improving safety, reliability and reducing the cost of getting into orbit.

Visitors 'proud of NASA'

Shelby Weathers, space flight awareness manager at Marshall, said many AARP members told her they are proud of NASA. "We had a lot of favorable comments. People said, 'We appreciate what the space program is doing for us and we're proud of the way our tax dollars are being spent.'"

Also visiting the NASA displays were Horace Deets, AARP executive director, and Tess Canja, the current president of AARP. Canja said, "Your NASA exhibit has so much information for our members."

"On behalf of all AARP members and delegates, I would like to personally thank NASA for its contribution and participation in our Celebrate 2000 convention," Deets said.

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

Burke shares work on history of science, technology

by Ivy Hübler

This year's Von Braun Forum on June 1 focused on Marshall's goals, accomplishments and the exciting possibilities in space exploration.

Keynote speaker James Burke shared insights from his work on the history of science and technology.

Burke is known for his TV series, "Connections," which explains the fundamental process of social and technological change as the byproduct of seemingly unconnected events and people. His presentation highlighted those connections leading to space exploration technology and the discovery of new frontiers.

Burke believes we all effect each other's future because "every person is intimately connected." He provides evidence of this interconnectedness with anecdotes, such as the trace of a frightening navigation problem to a sunken ship and the invention of toilet rolls.

Burke looks at many "ripple effects" and shows how these historical events trigger change and the need for exploration. "The desire to venture into the unknown," as Burke argues, "is a product of man's curiosity." The United States and our space

program are a product of this ripple effect. Countless scientific discoveries have spun off each other in surprising ways to finally achieve putting humans on the Moon.

The author, TV host and producer, encouraged NASA employees to be freethinking and creative to bring a new wave of innovation to space technology. He reminded the audience of how NASA changed our view of the Earth in the 1960s and continued to open doors in management technology, education, materials, etc.

Burke said that as we push to explore new galactic frontiers, we should not forget about the still under-explored frontier of human talent.

He is optimistic about the future of the new frontier and about what unexplored human talent will contribute to the space program. He told the Marshall audience that NASA has a positive, unique edge on the way technology is connected to society. And he challenged the audience to continue exploring untapped, interconnected human talent to bring change and innovation to society.

The writer is a volunteer summer intern with the Internal Relations and Communications Department.



Photo by Emmett Given, NASA/Marshall Space Flight Center

Tereasa Washington, right, director of Marshall's Customer and Employee Relations Directorate, presents a memento to Burke at the conclusion of the Von Braun Forum.

Marshall Association announces deadline for merit scholarships

The Marshall Association Merit Scholarship recognizes academic achievement and leadership qualities of sons and daughters of current and retired Marshall employees.

Two scholarships of at least \$750 each will be awarded to freshmen students entering an accredited college or university in the fall of 2000.

One scholarship will be for a student planning to pursue degrees in science, engineering or mathematics. The other scholarship is for a student planning to pursue a degree in business administration, education, arts, etc.

Scholarship recipients will be announced in July. Financial need will not be a factor.

More information on the scholarships and an application are available on the Web at: <http://www.ma.msfc.nasa.gov> or in Bldg. 4202, room 112.

Applications must be submitted to the Scholarship Committee, c/o PS41/Efrem Hanson, no later than July 10.

Answers to Safety Bowl questions from page 5:

1. Establish Marshall as No. 1 in safety within NASA;
2. Job hazard analysis;
3. Skin;
4. d) Prevention;
5. Lightning

Employee Ads

Miscellaneous

- ★ Toddler race car bed and mattress, \$85. 971-0048
- ★ Computer RAM 72-PIN, non-parity, i.e. 8 bits; treadmill w/motor driven elevation and variable speed belt. 881-6040
- ★ Sears treadmill, Lifestyler 1900, 0-5 mph, adjustable incline, distance, time, pulse, calorie monitor, \$75. 232-8311
- ★ Sofa, \$60; Dining table w/four chairs, \$110; baby car seat, \$10; fan. 551-0737
- ★ 1995 Stratos 278 bass boat w/Evinrude 150 HP motor, T/M graphs, other extras, \$9,800. 736-6482/Jeff
- ★ Calico cat, 5-6 weeks old, indoor pet, needs adult care, very active, \$10. 883-2638
- ★ Penn State 5-speed floor drill press w/table compound slide vise, \$150 obo. 461-8394
- ★ Black Angus bull, 3 years old, \$975. 837-6649
- ★ Antique oak dresser, ornate carving on mirror frame, \$475; chest, circa 1860s, refinished, \$300. 881-0551
- ★ Naugahyde sofa, 7'x3', brown, \$60. 461-7712
- ★ 75-gallon aquarium w/stand (cherry finish), wet/dry filter, protein skimmer, pump, \$750. 772-8081
- ★ Grumman aluminum canoe, 16', \$250. 882-0874
- ★ "Almost full" Akita dog, 1-1/2 yrs. old, spayed w/ shots by Limestone Humane Society, adoption fee. 233-1143
- ★ Solid wood kitchen table, 36"x58" w/four Windsor chairs, \$350. 430-0940 after 5 p.m.
- ★ Dillion precision square Deal-B reloader, .38/.45 and small brass cleaner w/tumbler, \$500 firm. 837-8797
- ★ Murray riding lawn mower, 38" cut, 12.5HP Briggs & Stratton, \$125. 828-6213
- ★ Two wood and PVC wave runner/jet ski stands on casters, \$25 each. 881-0557
- ★ 1997 Harley-Davidson Police motorcycle, 19K miles, \$13,500. 464-5008/leave message
- ★ Kenwood 440SAT high-frequency amateur radio, automatic antenna tuner, matching power supply, \$650. 233-5247

Vehicles

- ★ 1996 GMC Sonoma truck, 5-speed transmission, air, 35+K miles, \$9,500. 882-1226
- ★ 1990 Toyota 4Runner, 4x4, auto, air, \$8,500. 922-3313/883-2047
- ★ 1997 Chevy Tahoe LT, 4x4, black, will take payoff. 461-4957 (8 a.m.-5 p.m.)/721-2341 after

- 5 p.m.
- ★ 1995 Dodge Ram pickup truck, low miles, \$13,300. 539-4117 after 4 p.m.
- ★ 1993 Chevrolet Lumina APV van, white w/red stripe, 124K miles, \$3,995. 881-5809
- ★ 1999 Ford Ranger extended cab, power windows/locks, keyless entry, V-6, auto, 4-door, 23K miles, \$14,700. 233-3407
- ★ 1989 S-15 GMC Jimmy, 4WD, 4.3L, black/blue, 208K miles, \$3,500 obo. 837-6517
- ★ 1987 Nissan extended cab truck, approx. 175 miles, 5-speed, \$2,800 obo. 883-7752 after 5 p.m.
- ★ 1986 BMW 535, looks and runs good, \$2,900. 837-4136
- ★ 1973 Dodge Club Cab pickup truck, needs transmission, \$600. 883-8947

Wanted

- ★ Twin or bunk beds. 722-9989/Lois
- ★ RC model airplanes. 880-6146
- ★ Road bike for use in triathlons. 498-0629
- ★ Child's Big Wheel in good condition. 881-5178
- ★ Ride to work, 7 a.m.-3:30 p.m. shift, Governors Drive/Huntsville Hospital area, will pay \$6 per day. 534-5398
- ★ Small apartment size freezer in good condition. 551-1774

Free

- ★ Cat, orange/white, 1 yr. old, neutered male, front declawed, litterbox trained, kept indoors. 828-3887

Found

- ★ Diamond in the North side of Bldg. 4200 parking lot. Call 544-5614 to identify
- ★ Umbrella during Open House, Bldg. 4203. Call 544-4758 to identify
- ★ Sunglasses in Morris Auditorium. Call 544-4758 to identify
- ★ Eyeglasses at Bldg. 4200. Call 544-4758 to identify
- ★ Key at Bldg. 4200. Call 544-4758 to identify
- ★ Long distance phone cards at Bldg. 4200. Call 544-4758 to identify
- ★ Money, at the front entrance of Bldg. 4200 on June 13. Call 544-4758 to identify

Lost

- ★ Money in the vicinity of Bldg. 4200/4201. 544-

4541

- ★ Diamond earring at Bldg. 4200. 544-4541
- ★ Five keys. 544-4541

Center Announcements

- ☛ **Red Cross Blood Drive** — The American Red Cross will hold a blood drive Friday in the NASA Exchange, Bldg. 4752. Those whose last names begin with A-B should donate at 8 a.m.; C-F, 8:30 a.m.; G-H, 9 a.m.; I-L, 9:30 a.m.; M-O, 10 a.m.; P-S, 10:30 a.m.; and T-Z, 11 a.m.
- ☛ **15th annual Small Business Awards** — The Huntsville/Madison County Chamber of Commerce is hosting the 15th annual Small Business Awards at 6 p.m. June 29 at the von Braun Center North Hall. For ticket information, call Rosa Kilpatrick at 544-0042.
- ☛ **MESA Meets** — The Marshall Engineers and Scientists Association will meet at 11:30 a.m. June 22 in Bldg. 4471, room C-105. Refreshments will be served.
- ☛ **Mail Handlers Insurance** — The Mail Handlers health representative will be at the Center from 10 a.m.-noon June 20 in Bldg. 4200, room 341, to assist employees with claims and questions.
- ☛ **Blue Cross/Blue Shield** — The Blue Cross/Blue Shield representative will be at the Center from 9-11 a.m. June 22 in Bldg. 4200, room 329, to assist employees with questions and claims.
- ☛ **Shuttle Buddies** — The Shuttle Buddies will meet for breakfast at 9 a.m. June 26 at Mullins Restaurant on Andrew Jackson Way. For more information, call 881-7757 or 852-8189.
- ☛ **MARS Ballroom Dance Club** — Waltz and tango lessons will be from 7-8 p.m. June 19 and 26 in the Parish Hall of St. Stephen's Episcopal Church at 8020 Whitesburg Drive. For more information, call Woody Bombara at 650-0200.
- ☛ **Six Flags over Georgia Discount Tickets** — Tickets — at \$19.50 each — are available at the NASA Exchange Space Shop. For more information, call Candy Bailey at 544-2185.

Sports

MARS Fishing Club — Results of the June 10 bass tournament on Wheeler Lake at Decatur are: first place — Charlie and Sandy Nola, 10.97 lbs.; second place — Alex Rawleigh and Ross Evans, 7.72 lbs.; third place — Deon Smith and John Pea, 7.13 lbs.; and big fish — Charlie Nola, 3.13 lbs. The next tournament will be held July 14 on Wheeler Lake at First Creek. For information, call Ross Evans 961-2305, Don McQueen 544-9073 or Charlie Nola 4-6367.

MARSHALL STAR

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