

Shuttle Discovery scheduled to launch Thursday



MARSHALL STAR

Marshall Space Flight Center

May 27, 1999

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

Reorganization complete

'New' Marshall to improve customer service, relations

by Marianne Higgins

A reorganization at the Marshall Center to improve customer service and relations is in effect as of Sunday.

The reorganization, announced in January by Center Director Art Stephenson, also is designed to increase focus on the Center's roles and missions within NASA.

"One main objective in developing this new organizational structure is improving service to all our customers, which are other NASA Centers, the Department of Defense, commercial industries and academia," said Stephenson.

"I wanted our organization to be more product

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Photo by Doug Stoffer

Celebrating Asian Pacific heritage

Center Deputy Director Carolyn Griner, left, presents Dr. Lynn Chou of Marshall's Fluid Dynamics Division, Structures and Dynamics Laboratory, with a Certificate of Appreciation for his work on the Asian Pacific American Heritage Month commemoration. The month was marked in May.

Washington explains scope of reorganization challenges

by Mike Wright

Hundreds of Marshall employees began working in their new assignments Monday under the major reorganization that Center Director Art



Washington, director, Customer and Employee Relations

Stephenson announced four months ago.

The scope of that reorganization is something Marshall's Tereasa Washington understands. "Sometimes you don't know what you are capable of achieving until you are really challenged," said Washington, who directs Marshall's Customer and Employee Relations Directorate.

"In mid-January, the Center director challenged us to complete the reorganization in less than five months. A reorganization of this magnitude could easily have taken up to a year to complete," Washington said.

"The Human Resources Office was responsible for processing over 2,000 personnel actions that allowed the Center to begin operations Monday under the new structure. We have had support, however, from organizations across the Center to make it happen," she said.

"We were involved in the initial planning, with specialists from the Human Resources Office assigned to each organizational development team to help establish a structure consistent with good position management practices as well as reorganization objectives. We have dealt with issues impacting the reorganization like employee performance appraisals, position vacancies, promotions, skills requirements and employee buyouts. We also facilitated communications and training associated with the restructure," Washington said.

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"Safely is the Best Way"

— Safety slogan submitted by
Philisha Matthews, EP61



Courtesy photo

Marshall's next generation

From left, Paul Thompson, James Snellgrove, Riley Cooney, Jeremy Blair and Meagan Swanson celebrate graduating from Marshall's day care center.

New Marshall

Continued from page 1

line focused, while at the same time maintaining the strong engineering capability Marshall is known for across NASA," he said.

Changes to Marshall's operations include establishing four new directorates — Space Transportation, Science, Flight Projects and Engineering.

The Flight Projects Directorate oversees the International Space Station and operations projects, as well as some future programs. Axel Roth, with Marshall since 1960, has been named director of the office. Roth has served as an engineer or in leadership positions in programs involving Apollo/Saturn, Skylab, Spacelab and the Space Station.

The Engineering Directorate is responsible for providing engineering services to the three new product line directorates, as well as the development of advanced subsystem and component technologies. Named as director is James W. Kennedy. Kennedy began his Marshall career in 1969 as a co-op student in the Astronautics laboratory in the Science and

Engineering Office. He also has served as manager of the Solid Rocket Booster Project Office and the X-34 Project Office, and most recently as deputy director of Science and Engineering.

Stephenson later will name directors for the Space Transportation Directorate, which oversees all space transportation programs except Space Shuttle Operations, and the Science Directorate, which manages microgravity, optics, space and Earth science programs — and for a new Systems Management Office to facilitate programs/project management and system engineering skills across the Center.

"I believe our employees are energized about working in a more streamlined and product-focused environment, because it will help them better respond to customers and optimize resources," said Stephenson. "An additional goal is to have management act more as a coach and less as a decision-maker."

The writer, a contractor employed by ASRI, supports the Media Relations Office.

★ ★ ★ Marshall Stars ★ ★ ★

The Daughters of the American Revolution has awarded the group's Medal of Honor

to retired Marshall Center Director **Dr. William R. Lucas.**

The medal is awarded to

people who are outstanding in the fields of leadership, patriotism and service. Lucas served as Center director from 1974-1986. He was nominated for the award by the Twickenham Town Chapter of the Daughters of the American Revolution.



William R. Lucas



Chris Barret

Dr. Chris Barret, the lead for mission analysis with the Propulsion Research Center, has won the Redstone Club's 1999 Toastmasters

International Speech Contest, the Huntsville Contest and most recently the Northern Alabama Contest. She also competed in the statewide contest in Birmingham.

Kathy Forsythe, a contractor employed by Computer Sciences Corp., who works as a program

specialist for NASA's Spacelink Project, was showcased among the winners in the first photography contest sponsored by Launchspace magazine. Her entry, titled "A Golden Ascent," depicted the early morning launch of STS-79 in 1996. Her winning entry appeared in the March/April 1999 issue of Launchspace.



Kathy Forsythe

"Marshall Stars" features employees who have made significant strides in their professional career and educational development.

Challenges

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Personnel Actions and Organizational Codes

All the Standard Form 52s, Request for Personnel Action, for employees involved in the reorganization have been processed, Washington said. Employees should receive their Form 50s, Notification of Personnel Action, reflecting their new assignments within the next week.

In addition, new organizational codes have been implemented for all the new organizations and the Shuttle Projects Office. Code changes for the remaining Marshall organizations will be implemented in June. The new alphanumeric codes for all staff offices will have as a second alphabet, the letter "S;" for directorates, the letter "D;" and for project offices, "P." For example, the Shuttle Projects Office new code is MP01; the Engineering Directorate is ED01.

Employee Performance

In connection with the reorganization process, Washington also referred to performance appraisals and performance planning. "We are approaching the end of an appraisal period at the same time we're entering a new organizational structure," she said. The supervisor of record in the organization from which an employee transferred will complete the employee's performance appraisal by June 30. The supervisor in the organization to which an employee is transferred will work with the employee to complete the performance plans for the new rating period by July 1.

Position Vacancies

In the new directorates, "group leaders" are the first level of supervision. At this point, Washington said, all vacant group leader positions have been advertised. "We are trying to get as many group leaders in place as soon as possible. We will begin to announce the other critical position vacancies identified by the organizations, including team leaders and administrative and clerical support, over the next two weeks. We are working that schedule with the organizations," she said.

Promotions

The reorganization has also raised questions regarding promotions at the Center. "It is important that the new organizations are able to operate effectively and efficiently as soon as possible," Washington said. "Marshall is a Center with a lot of dedicated, high achievers. Employees will tell you that it is very important to them that they are challenged and that they are as productive as possible at all times. The filling of the critical position vacancies will enhance the productivity of every employee in the new organizations as well as those who must interface daily with these organizations."

Thus, a pool of points has been allocated to fill these critical position vacancies. Additional points are also available to address other promotion needs within the new organizations and across the Center. These are being distributed this week. "I almost hate to debunk one of the few remaining mysteries of life," Washington said, "but the fact is that each promotion point simply equates to an average number of dollars. Fewer dollars this year mean fewer points.

"Unfortunately, there are never enough points to handle all the promotion needs of deserving employees at the Center," Washington said. "This is an unusual year because of the reorganization, but it is always a good thing when our employees are being promoted — whether in their current jobs or into new positions. The additional points will help us deal pretty well with other needs this year, and we will plan to allocate promotions by at least February next year."

Skills Requirements

As part of the reorganization, the Customer and Employee Relations Directorate also has been involved in making sure the Center has the skills needed to accomplish its missions.

"We recognize that we need to address our skill mix, including the need for some new skills to meet the Center's advanced research and technology challenges."

Washington noted that the Center expects to hire about 60 new employees this year to fill some of the gaps, and complement the skills we have here at the Center. A good number of these will be fresh outs. "We've gotten excellent response to our announcements."

Buyouts

"We are currently working a plan for a buyout, which would open August 1 this year and close early in fiscal year 2000 — that is, Oct. 31, 1999 — in order to save scarce dollars. Marshall does not plan to have another buyout," Washington said. "NASA's current buyout authority expires in 2000, and the current early out authority expires at the end of September. There is no indication at this time that the early out authority will be extended," she added. Employees will be updated as buyout plans proceed.

Communications and Training

Washington referred to the reorganization and its related activities as "part of a larger cultural change for the Center." Communications and training are vital elements in the cultural transition, she said.

"The Internal Relations and Communications and the Government and Community Relations offices have played significant roles in facilitating communications with our employees, our partners, and our customers and stakeholders. It is important that everyone involved understands where we are going and what role they play in the journey," Washington said.

Cultural change also requires that people have the skills and confidence to operate effectively in a changed environment, Washington said. The Employee and Organizational Development Office routinely helps organizations and individual employees obtain development opportunities and technical training to help them to recognize their capabilities and to grow.

"Still, it was a challenge to arrange in relatively short order three days of quality training to accommodate potentially 2,000

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Successful Fastrac firing inspires team lead to poetry

Karen Spanyer, a team lead for stress analysis in Marshall's Structures, Mechanics and Thermal Department, has spent the past three years as the structural analysis lead on the Fastrac engine project.

As a member of the Fastrac product development team, she witnessed the first successful full-duration test of the

Fastrac engine May 16 at Stennis Space Center, Miss.

"Just being there inspired me to write a poem," Spanyer said. "It's hard to explain the feeling. When I saw the sky light up and heard the engine roar, all I could think was — wow, we really did it. Marshall really designed and developed a 60,000-pound-thrust rocket engine. Experiencing

the full-duration successful engine test — the result of several years of dedicated teamwork — overwhelmed me with a sense of pride and accomplishment. I wanted to share my feelings about our success with the Fastrac team. Writing poetry is exciting for me because I only write on very special occasions."

This is her first publication.

Magic FASTRAC Moments

*It was Friday, May 14, 1999,
The Fastrac engine test data was looking real fine.
All systems were go for the first full duration test,
Fastrac engine number two was ready to give it her best.*

*I had decided not to travel, but my heart told me to go,
I got last minute permission because I wanted to be there so.
I headed home at eight fifteen and took ten minutes to pack,
I told Danny and Dave by nine o'clock I would be back.*

*"Did I pack for a scrub", they both asked as I arrived,
No, this test will happen, my gut feeling has never lied.
In the government vehicle to Stennis we blazed an interstate trail,
Nothing could stop this test, not even the fear that we might fail.*

*I was wearing my Fastrac T-shirt with the saying on the back,
"The Little Engine That Could" may soon become a fact.
All three of us were Auburn graduates, with different roles by name,
But our feelings about this test were clearly all the same.*

*At T minus two hours we arrived at the control room,
Full of excitement and tension, but no signs of doom.
At T minus 15 minutes, we stood nervously at the guard shack,
With cameras, earplugs, and stop watches in tack.*

*At T minus 5 seconds the small crowd stood tall,
I wished the whole team was there with us, to see it all.
If my body had been instrumented, the data would show no surprise,
My heart stopped, my breath held, my blood pressure at all time highs.*

*My adreneline redlined and my whole body shook,
Through my camera lens I watched and several photos I took.
It seemed like an eternity, but she finally did ignite,
And roared to the whole world with all of her might.*

*At T plus 60 seconds, Dave nodded that she was in tune,
He pulled out Danny's earplugs, for this would end all too soon.
At T plus 100 seconds, I knew we would succeed,
Get ready X34, to Mach 8 you WILL speed.*

*She continued to burn with the most gorgeous plume,
My mind taped a video with a live continuous boom.
At shutdown on schedule the last flame died,
My eyes filled with tears of joy, my heart overflowed with pride.*

*I danced in the field like nobody was looking,
I knew how McGwire felt when number 70 went booking.
For 159 seconds our engine performed flawlessly,
It was a rocket engine first, it was a day in history.*

*I quote Richard King, as we celebrated with some of the best,
"As long as I live, I will never forget this test"!
We began our journey home the very next day,
After inspecting the engine to make sure she was okay.*

*It was like we were in some kind of Dreamland,
Remembering more than two years ago, when it all began.
As I drove down south Parkway on my way home with glee,
I knew it was the best TDY ever for Danny, Dave and me.*

*That Friday in my mind is like a wonderful dream,
My congratulations go to the entire Fastrac Engine team!
I know that forever the highlight of my NASA career,
Will be those "Magic Fastrac Moments" I will always hold dear.*

Karen L. Spanyer, 5/16/99

Upcoming Events

Free breakfast kicks off Small Business Awards Celebration — The Breakfast Club of the Chamber of Commerce of Huntsville/Madison County will kick off this year's Small Business Awards Celebration with a free breakfast June 8. The speaker will be Max N. Wallace, president and chief executive officer of Cogent Neuroscience, an early stage biopharmaceutical company in Research Triangle Park, N.C. An awards banquet will be held June 15 at 7 p.m. at the Von Braun Center. Awards will honor winners and nominees for their commitment to state their vision and make their journey successful. For banquet ticket information, call Rosa Kilpatrick at 544-0042.

Centerwide end-of-reorganization picnic set June 2 — A picnic to celebrate the reorganization completion is being held Tuesday from 11 a.m.-1 p.m. Civil Service employees and on-site contractors are invited. Hot dogs, chips, cookies and soft drinks will be provided by the Marshall Exchange. Buses will run every 15 minutes from and to Bldgs. 4200, 4203, 4610, 4663 and 4487 starting at 10 a.m. RSVP via "Inside Marshall" or by e-mail to Nancy Guire by close of business Thursday.

Employees urged to check vehicle decals — Beginning Tuesday, Redstone Arsenal will check decals on all vehicles entering the arsenal. Employees and contractors are asked to check vehicle decals to ensure they are current and properly displayed. If a new decal is required, go to Bldg. 4312 between 7 a.m. and 4 p.m. weekdays. If not sure, call 544-4758 or 544-2090.

Report suspected fraud to Office of Criminal Investigations

from the Inspector General's Office

The primary mission of Marshall's Office of Criminal Investigations is to conduct criminal and civil investigations of reported or suspected fraudulent acts by employees, contractors and others relating to the administration of NASA contracts and programs.

Although emphasis is placed on major procurement fraud (particularly allegations of defective/substandard parts, mischarging, kickbacks, bid rigging and research fraud), investigations are also conducted of theft, conflict of interest, environmental and hazardous waste violations, health care fraud and computer-related crimes.

The Office of Criminal Investigations also provides fraud briefings for government and contractor employees that are designed to highlight potential risks concerning fraud and related matters.

Suspected violations can be reported by calling 544-5242 locally, the toll free hotline at 1-800-424-9183, by writing: NASA Inspector General, P.O. Box 23089, L'Enfant Plaza Station, Washington, D.C. 20024, or on the Internet at: www.hq.nasa.gov/office/oig/hq

Marshall employees, contractors win AIAA Alabama/Mississippi Section Awards

The American Institute of Aeronautics and Astronautics, Alabama/Mississippi Section has named Rick Bachtel, deputy director of Marshall's Space Transportation Directorate, the Engineer of the Year.

The Engineer of the Year award is one of five annual Alabama/Mississippi Section Awards announced recently by the institute.

The American Institute of Aeronautics and Astronautics has been presenting the awards for 40 years to recognize individual outstanding achievement. The institute is the largest technical organization in the world, with 1,000 local members.

Other awardees recognized at the dinner held last Tuesday at the Holiday Inn at Research Park include:

- Otha H. Vaughan Jr., a Marshall retiree who was an aerospace technology engineer with Marshall's Global Hydrology Research Office, received the Herman Oberth Award for outstanding scientific achievement. Lockheed Martin Corp. sponsors the award. Vaughan was the first person to conduct significant original research using existing Space Shuttle payload bay video cameras to observe from space lightning's red spirals and blue jets that are related to severe storms.

- Dr. Ivana Hrbud, an electric space propulsion specialist at Marshall with the Intergovernmental Personnel Act, received the Young Engineer of the Year award for outstanding achievement in the field of engineering for engineers age 35 and younger. Hrbud has been a postdoctoral fellow with Marshall since 1997.

- Thomas Hancock, a contractor employed by AverStar, is the lead engineer for the International Space Station independent verification and validation. He received the Holger Toftoy Award for outstanding technical management in the fields of aeronautics and astronautics. The Lockheed Martin Corp. sponsors the award. Hancock led the independent verification of flight software developed in Huntsville for the Space Station.

- Jeff Irons, director of the Huntsville Field Marketing Office of The Boeing Co., received the Professional of the Year award for outstanding achievement in the aerospace industry. Irons is an associate fellow of the institute.

Obituaries

Lenoir, Wroten A., 81, died May 5. He retired from Marshall in 1973 where he worked as a procurement analyst. He is survived by his wife, Dora.

Ferguson, T.L., 84, died April 24. He retired from Marshall in 1974 where he worked as a quality assurance specialist.

McBride, Ruth S., 62, died May 15. She retired from Marshall in 1993 where she worked as a secretary in the Space Station Projects Office. She is survived by her husband, Jack.

Marshall educator lends expertise to Science, Engineers Fair

by Debra Valine

Pamala Heard, an educational specialist with Marshall's Education Programs Office, recently traveled to Philadelphia to help judge the 50th International Science and Engineers Fair.

She is an associate professor of mathematics with Langston University, Langston, Okla., and has worked with Marshall for the past two years under the Intergovernmental Personnel Act.

The science and engineering fair was started to encourage precollege students to conduct scientific research. It is the only international science project competition for students in grades nine-12.

Heard, originally from Wyatt, Mo., finished two years with the Intergovernmental Personnel Act May 17 and started under the Summer Faculty Program May 18. She was the only judge from NASA at the fair.

"All the students who entered the fair impressed me with the high level of knowledge they exhibited," Heard said. "They learned a lot of this on their own with little to no guidance. Once they got to a particular point, they would seek out help to see if they were going in the right direction. It made me feel good to see that. A lot of the work they were doing was at a college graduate level."

Since both of her parents were teachers, she said she comes by teaching and her interest in education naturally. Working in



Courtesy photo

Pamala Heard, an education specialist with the Education Programs Office, judges a mathematics category at the recent Science and Engineering Fair in Philadelphia.

the Education Office at Marshall has been a good experience for her, she said. She credits her career success to the support of her family. Her parents in Missouri take care of her 2-year-old son, her 6-year-old son lives in Huntsville with her and her husband is a teacher in Texas. "We chalk up — and use — a lot of frequent flyer miles," she said.

"Working in the Education Programs Office has been a good experience for me," Heard said. "I like being part of the team. The people I have worked with have helped me grow as a person."

The writer, a contractor employed by ASRI, is the Marshall Star Editor.

Technology Transfer Office connects with Pa. company

by Erin Coggins

The Technology Transfer Office has signed a non-exclusive license with M&A Screw and Machine Works of Philadelphia, for Marshall's Quick Connect Fastener.

The fastener, invented by Bruce Weddendorf, formerly of the Structures and Dynamics Laboratory, evolved from technology used in Pathfinder, a project dedicated to in-space assembly techniques. The fastener was designed for easy assembly in weightless aerospace environments.

The Philadelphia company, producer of conventional nuts and bolts, worked through the Ben Franklin Technology Center, also in Philadelphia, to negotiate the license. Ben

Franklin, an economic development firm, works with companies seeking solutions through new technologies.

M&A Screw and Machine Works learned about the new technology from the Mid-Atlantic Technology Applications Center, a Regional Technology Transfer Center in Pittsburgh.

M&A Screw and Machine Works wanted to change its perspective from being a contract manufacturer to creating their own specialty product line to fit its "core competencies."

The design permits the nut to be installed simply by pushing it on to a standard bolt or threaded design. Once installed, it can be removed only by unscrewing it in the manner of a conventional nut. The bolt operates in

a similar manner. It is installed by pushing it directly into the hole on a nut. It is unscrewed in the same manner as a conventional bolt.

The quick connect fastener technology can be used for fire fighting equipment, high compression gas bottles, underwater salvage equipment and in industrial applications such as assembly line machinery industrial cranes.

M&A's expertise and standard automated equipment will allow the production of quick connect fasteners at its Philadelphia location.

The writer, a contractor employed by SCSC, supports the Technology Transfer Office.

Marshall student trainee receives top honors

Vanessa Lindsey, a student trainee in office support with the Customer and Employee Relations Directorate, has been named Co-op of the Year for the Alabama Association of Colleges and Employees.



Vanessa Lindsey

Lindsey, with Marshall since March 1998, leaves Friday to return to Wallace State Community College in Hanceville, Ala., where she is studying secretarial sciences. She will return to Marshall in August and work in the Employee and Organizational Development Office, where her co-op career with Marshall got started.

“Students from two-year colleges in Alabama compete

for this award,” Lindsey said. “The student does a statement on their accomplishments and what they have learned, and their supervisors also do a statement.”

Susan Cloud, deputy director of the Customer and Employee Relations Directorate, and Sandra Dickerson, deputy director of the Employee and Organizational Development Office, provided Lindsey’s statement, which was signed by Center Director Art Stephenson.

Lindsey said she has learned a lot at Marshall. “It was all new to me, and I have learned a lot about the duties of being a secretary. The one thing that stands out is the teamwork exhibited by employees at Marshall — how everybody worked together to accomplish the reorganization.”

“She is an excellent employee,” said Cloud, who has been working with Lindsey since December 1998. “She is dedicated, dependable and very pleasant to work with. She has done an excellent job.”

UMS contractors celebrate highest-ever performance rating

by Catherine Kholanjani

A celebration picnic was held recently at Marshall’s recreation area to honor the Utilization Mission Support (UMS) contract’s highest performance rating ever.

The contract, based in Huntsville, provides NASA with the ground system for the Chandra X-ray Observatory, the Space Shuttle and the International Space Station. Activities include systems engineering, design and development, test, operations, and hardware/software maintenance.

The celebration picnic honored the contract’s employees, whose dedication and hard work resulted in a score of 90.2 on a performance evaluation by the customer, NASA’s Mission Operations. This evaluation, the fifth since Lockheed Martin was awarded the contract in 1996, focused on technical performance, business management and cost management. In the technical performance area, the contract was graded on its program management, quality of work performed and timeliness of the work.

In addition to Lockheed Martin employees, subcontractor employees from New Technology, Inc. and bd Systems, Inc. also are instrumental to the success of the program. Frank Barnes, program manager,

said, “NTI and bd Systems have greatly added to Lockheed Martin’s success on this contract. Teamwork among the three groups has enabled us to earn the best performance rating ever.”

The picnic lunch included barbecue pork, chicken, baked beans and salad served by contract management.

The highlight of the picnic was a baking contest in which 45 desserts were entered.

After the judges scored all entries on taste, presentation and appearance, the crowd enjoyed the desserts.

Celia Lang, the deputy program manager, awarded prizes in each of the four dessert categories which included cookies, cakes, pies and candies/puddings.

The winning desserts were Chocolate Caramel Brownies made by Cindy Drinkard, Fresh Strawberry Cake by Mary Jane Brooks, Strawberry Almond Tart by Becky Johnson and Homemade Mounds Bars by Randall Hargrove.

The picnic was a way to show appreciation to the employees who worked hard for the excellent performance rating. It also provided an

opportunity for employees to relax and enjoy the spring weather.

The writer works in Lockheed Martin’s Human Resources Department.

Challenges

Continued from page 3

persons impacted by the move,” Washington said. “The result is a conference called, ‘Marshall on the Move.’ It provides a very wide range of exciting training opportunities conducted by persons highly recognized in their fields, including some of our own employees.”

Celebration

“The next thing we are planning is a reorganization celebration picnic for all employees on Tuesday,” said Washington. “Everyone has performed wonderfully and this will be a well-deserved opportunity to thank each other and to just have fun.”

The writer works in the Internal Relations and Communications Office.

Employee Ads

Miscellaneous

- ★ Yamaha jet ski, 85hp, yellow & white, safety features, GP760, \$4,900. 837-2461
- ★ Whirlpool window air conditioner w/thermostat control, 21,000 BTUs, 220V, \$325. 880-6335
- ★ Dive equipment for women, BCD, fins, wet suit, weight belt, regulator, \$275 obo. 551-0467
- ★ Kayak, Perception Corsica S, \$350; Schwinn ladies bicycle, 12-speed, \$100; life jacket, Estrasport, child, \$20. 518-9618
- ★ 1997 mobile home, 16x70, 2 bedroom, 2 bath, Ardmore area, must be moved, \$17,900 obo. 423-7126
- ★ Turntable and albums, mostly classical. 882-1097
- ★ Solid oak dining set, buffet, hutch and table w/six chairs, \$800. 722-9272
- ★ Welsh, oak baby crib with or without mattress, \$80. 828-7377
- ★ Pair of steel car ramps, 12" high, \$25. 883-9278
- ★ GE dryer, \$30; red quarry tiles from International Connections, 8" square, unused, 60 cents each. 837-6776
- ★ Delta locking truck tool box for small pickup. \$75
- ★ Evinrude motor, 25HP, 14' fiberglass tri-hull boat w/fish well and trailer, \$700. 881-6143
- ★ Little Litton microwave, \$30; 7.5' full-size artificial Mountain King Christmas tree w/base, \$75. 880-6267
- ★ Camelot pool membership \$625 plus annual fee. 882-1166
- ★ Kenmore refrigerator, 20 cu. ft., almond, \$150. 881-1090
- ★ Four-person hot tub w/cover, 6' square, heater, jets work. \$1,200 obo. 532-3982
- ★ Sears car-top cargo carrier, \$30. 721-9749
- ★ Sega Saturn with many games, \$60. 722-9989
- ★ Book, "Encounter with Tiber," 1st edition, signed by Buzz Aldrin. \$75. 773-7730

Vehicles

- ★ 1992 Isuzu Trooper S, a/c, 4WD, gray, 5-speed, 125K miles, \$5,700. 881-0743
- ★ 1987 Mercedes-Benz 420SEL, needs valve stem replacement, 214K miles, \$6,000. 883-7564
- ★ 1993 Jeep Cherokee Country, 2WD, 118K miles, \$9,500. 539-8841
- ★ 1998 Ford F-150 XLT, 2WD, extended cab, red, 4-speed, automatic, 4.6L, towing package, 6,400 miles, \$20,500. 922-5891

- ★ 1986 Honda Civic, 4-door, 5-speed, air, am/fm cassette, new tires, \$1,000 obo. 586-7375
- ★ 1994 Saturn SC2, 5-speed, a/c, 66K miles, \$6,000. 883-8378
- ★ 1974 Camaro LT, collector, original, near mint, showable, one owner, loaded, \$8,100. 881-4994
- ★ 1992 Lincoln Continental, executive series, 3.8 liter, V-6, 100K miles, red w/gray interior, \$5,500 firm. 753-2278
- ★ 1993 Acura Integra GS, 3-door, black/black leather, moonroof, new tires, 138K miles. 881-0557
- ★ 1996 Dodge Ram, PLW, extended cab, V-8, LWB, auto, a/c, PW/PS/cruise, bedliner, toolbox, 23K miles, \$16,500. 534-9974
- ★ 1996 Pontiac Firebird, 3800 V-6, red w/gray interior, 69K miles, auto/ac/cruise, new tires & brakes, \$11,000. 582-3664
- ★ 1993 Honda Accord EX, 4-door, auto, fully loaded, sunroof, silver, 85K miles, \$9,300. 533-0099
- ★ 1996 Saturn SCC coupe, 25K miles, 5-speed, S/R, A/C, \$10,600. 722-0872
- ★ 1990 300ZX, 2+2, fully loaded, black, tan leather, 97K miles, \$8,500. 890-0297
- ★ 1995.5 Ford Windstar LX van, green, loaded, 70K miles, extended warranty, \$13,300. 881-7757
- ★ 1986 Ford E-150 custom van, needs engine work, \$300. 882-7084

Wanted

- ★ Remote control model boat. 922-5727

Found

- ★ Men's glasses w/black case on sidewalk, south parking lot, Bldg. 4203. Claim at Bldg. 4203/Rm.3104

Center Announcements

- ☛ **Photo Lab Retirees** — Photo lab retirees will meet Tuesday at 9:30 a.m. at Shoney's at the corner of University Drive and Memorial Parkway. For more information, call Charles Allen at 852-0917.
- ☛ **Model Rocket Launch** — The Huntsville Rocketry Association and Southern Area Rocketry will host the National Association of Rocketry's National Sport Launch '99, a model rocket launch and exhibition, May 29-31 in Ardmore, Ala. The flying field is located near the intersection of Wall-Triana Highway and Elkwood Section Road north of Huntsville. The

event is open to the public. Admission is free for spectators. Rocketeers flying models will pay a fee. For more information, call Vince Huegele at 544-3475 or 881-2904, Brian Day at 536-0508 or Scott Straw at (770) 518-0415.

- ☛ **Astronaut Applications** — NASA is accepting applications for mission specialist and pilot astronaut candidates to join the Agency as it enters the era of the International Space Station and continues the exploration of space. Deadline to submit an application is July 1. An application package may be obtained by contacting the Astronaut Selection Office at (281) 483-5907, or writing to NASA-Johnson Space Center, Astronaut Selection Office, Mail Code AHX, Houston, TX, 77058-3696.
- ☛ **"Windmills" Training Program** — The Equal Opportunity Office is sponsoring the "Windmills Attitudinal Training Program" June 3 in Morris Auditorium. Sessions will be held 8-10 a.m., 10:30 a.m.-12:30 p.m., and 1:30-3:30 p.m. For more information, call Laura Groce at 544-9154 or Pat Schultz at 544-7559.
- ☛ **Housing for Summer Students** — Students at Marshall for summer educational programs have need of short-term lodging, particularly graduate students participating in the NASA Graduate Student Researchers Program. If interested in hosting or renting a room to a student during the summer or for short-term summer workshops, call Frank Brannon in the Education Programs Office at 544-5920.
- ☛ **Take Our Children to Work** — Marshall's Take Our Children to Work Day is June 24. Participation is open to children in grades 3-12. The day offers bus tours, balloons, photo opportunities and a pizza lunch at the Marshall picnic area. Cost for lunch is \$2 per person. Registration deadline is June 21. Register and order T-shirts electronically at: <http://ntf-1.msfc.nasa.gov/toctwd.nsf>
- ☛ **MOO Retirees Meet** — The Management Operations Office (MOO) retirees will meet for breakfast/lunch on Thursday at 10 a.m. at the Cracker Barrel in Madison. All present or former MOO employees are welcome. For more information, call 539-0042.
- ☛ **MARS Golf Club Tournament** — A golf tournament will be held June 5 at the Fox Run Golf Course in Meridianville, Ala. The format will be Skins with two 2-player teams in each foursome. Cost to enter is \$4. Entry deadline is May 28. The event is open to all NASA employees, retirees and on-site contractors. To enter, call Lee Foster at 544-1589, Joey Butler at 544-3808 or Bill Galloway at 544-0558.

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