MARSHALL STAR

Serving the Marshall Space Flight Center Community

July 10, 2003

A passion for leadership …

Marshall Director David King hosts first 'Center Director's Update'

By Jonathan Baggs

Marshall Center Director David King looked into the eyes of a child, whose focus was the limitless boundaries of space and the vast future that it may hold.

"See the eyes of that child looking out into the future?" King said, motioning toward the image on a projection screen. "I'm excited to play a part of that with the Marshall team."

It was a poignant metaphor, perhaps, of how King believes that what every Marshall team member contributes through hard work, leadership, dedication and optimism, will affect not only NASA, but future generations as well.

During his first "Center Director's Update" last week in front of Marshall team members in Morris Auditorium, King laid out his general expectations not only for the type of work that will be done at the Center, but the way he intends to lead by example.

Leadership

King said he believes that those in leadership positions should grasp the responsibility they've been given, including being accountable and keeping promises.

"We have to have a very strong work ethic, customer-oriented, and keep our eyes on the objective," King said. "And there's no better way to keep your eyes on the objective than to keep in contact with our customers, so we're going to have to spend some time on that. Working very hard is what gets you a lot of places, and I think you will see that in me … and we're going to have to work very hard in getting things done."

King believes in an "open environment where we can have some good energetic discussions," he said, adding that inclusion and diversity are important because "everybody brings some strength to the table. We need to figure out what those strengths are and then have those people operate in that environment."

*See **King** on page 2*

Photo by Dennis Olive, NASA/Marshall Center

Solid rocket test motor firing

A 24-inch solid rocket test motor fills the sky with smoke during a 20-second firing at the Marshall Center on June 26. The goal of the test, conducted by the Space Transportation Directorate, was to evaluate candidate replacement material for the Shuttle Reusable Solid Rocket Motor nozzle liner using a post-woven Lyocell exit cone and throat ring.

One NASA works through SBIR Program

Editor's note: This is part of a series of articles highlighting the One NASA initiative at each center.

Glenn Research Center release

When Walter Kim talks about the way NASA's Small Business Innovation Research (SBIR) Program operates, the phrase E Pluribus Unum — Out of many, one — may come to mind.

"While each NASA center has its unique capability and technical expertise, we all follow the same process under the SBIR Program," said Kim, Glenn Research Center's SBIR program manager in the Commercial Technology Office. "The process involves Headquarters and all

*See **One NASA** on page 3*

King

Continued from page 1

Leadership also includes trust, he said.

"We have to trust each other – without it, no team is functional," King said.

With hard work, accountability, responsibility and leading by example, also comes the need to demonstrate "balance," he said. "Taking care of ourselves, taking some time off for renewal. I think when we're balanced we're a lot better as leaders. We also have to look ourselves in the mirror every day and ask, 'What can I do today to make myself a better person, a better leader, a better engineer …?'"

King

Taking care of ourselves is a commitment to safety, King said. "Safety will continue to be first and foremost. It will not go away. We will continue to talk about it and continue to try to change the way that we think. We need to continue to reemphasize that for our folks."

King said he doesn't believe in making changes simply for the sake of change itself. "We change things for the sake of making them better. There needs to be a systematic approach to change. If you're not changing faster than the rest of the world, then you are falling behind, so we need to keep that in mind."

Constructive criticism also is welcomed, he said.

"I will be fair," King said. "We have to have well thought out innovative ideas … so we have to be constructive in our criticism — that is a good thing. I want to hear from you. I have an open-door policy. I won't shoot the messenger. I will always listen and I also reserve the right to make decisions on my own."

King is optimistic about the Marshall Center's future. "There are some great things that have been done here," he said. "When you look back at the heritage, it's incredible. There also are some great things to be done here and I'm excited about that. I look forward to the challenge and there are some major challenges in front of us."

Return To Flight

The most visible challenge, he said, is NASA's Return to Flight for the Space Shuttle. King discussed hardware changes, operational improvements and management process improvements as steps being taken toward Return to Flight.

"Clearly that is the most visible thing to the public and the most important thing we have on the plate as an Agency right now," King said.

Although returning the Shuttle to flight is important for a variety of reasons, King said it is necessary for getting the International Space Station (ISS) to the "Core Complete" stage of construction. "This has not changed," he said.

King was at Kennedy Space Center when the Node 2 module recently arrived there from Italy for its acceptance review. He said the design, building and delivery of Node 2 was an outstanding partnership between the Marshall team and the Italian Space Agency.

When Node 2 is attached to the Space Station in 2004, the Station will be considered "Core Complete."

Program activities

Looking to the future means continuing work on the Orbital Space Plane (OSP).

"We have to have capability to exchange the crews back and forth on the Space Station and that's what OSP is all about," King said. "Where we are with the space plane is a very critical juncture."

The X-37 program is making significant progress and King said it remains an important and visible Agency objective.

King also touched on the Next Generation Launch Technology (NGLT) program. "We've got to find better ways of building vehicles that can do the job better and more efficiently and enable us to go do some of the science and things we need to go do in the near future."

An important part of the NGLT program is Marshall's work on a reusable hydrocarbon-fueled rocket booster engine, a 1-million-pound thrust-class engine.

Other Marshall-led projects include non-toxic propellants for on-orbit maneuvering, an advanced reliable hydrogen-oxygen engine for upper-stage use and Project Prometheus – the Jupiter Icy Moons Orbiter that King said "is critical to our future as well."

Maintaining a strong science program is essential to Marshall and to NASA, King said.

He noted that Marshall's Microgravity Science Glovebox is the first scientific research facility to become operational on the International Space Station in support of the Office of Biological and Physical Research (OBPR) Physical Sciences Research Division. The OBPR strategy, King said, is to transition 50 percent of its science from "basic science" to "strategic science"

*See **King** on page 4*

One NASA

Continued from page 1

NASA centers working across the six strategic enterprises for one common goal."

Congress established the SBIR Program in 1982 to ensure that the best and most innovative concepts become part of federal research and development efforts that benefit the nation.

Under the program, NASA field centers identify critical technologies that are needed to enhance the Agency's ability to meet mission goals. Once those needs are established, companies submit proposals explaining how their innovations would support NASA's mission and how they plan to pursue commercial applications for their products. SBIR companies then develop and commercialize their innovations through a three-phase process.

"The centers who collaborate with these small businesses are chosen solely for their technical expertise," Kim said. "Operating under this One NASA philosophy through the years has required the cross-center team to consider all decisions within the context of what is best for the Agency rather than for any one center."

Photo courtesy Glenn Research Center/Marshall Imaging

Walter Kim, left, Glenn Research Center's Small Business Innovation Research manager, and Sandra Reehorst, chief of Glenn's Power and Propulsion Office, hold Hall thrusters, a technology area where NASA's SBIR has contributed to improvements in electric propulsion for space applications.

Kim stressed the value of strong communication among SBIR managers throughout the centers. Managers meet monthly through videoconferences and attend semiannual program management gatherings.

"Many people within and throughout the centers play a vital role in the SBIR process," Kim said. "In fact, more than half of NASA's yearly procurement activities are SBIR-related, and Glenn has oversight for all Agency SBIR procurement policies and guidelines."

Fiscal year 2002 ended with another successful season for the SBIR Program. NASA awarded more than 450 Phase I (feasibility and technical merit), Phase II (promising development), and Phase III (commercialization) contracts. Kim noted that throughout the years SBIR companies have worked with several centers on portions of the same contract.

ViGYAN, Inc., Hampton, Va., for example, developed the Federal Aviation Administration-certified Pilot Weather Advisor system using satellite technology to substantially increase the amount of weather information available to aircraft pilots in flight. Phase I and II, funded by Langley Research Center, resulted in the development and patent of the original system concept. Phase III, funded by Glenn, developed and demonstrated an affordable, commercially viable satellite data link system for the dissemination of weather information. The Phase III effort led to a spin-off company, WeatherStream, which has since been acquired by Weather Services International, Inc.

Kim, who began his career at Glenn as a researcher in 1979, is proud to be part of the SBIR Program. "I feel that I'm making a contribution to the Agency and to small businesses by helping to find a place for technological innovation," he said.

Working in the SBIR Program for the past 13 years, Kim has gotten to know and respect his colleagues throughout all NASA centers. He sees the program as a prime example of how cooperation and collaboration breed success.

"We all have our roles, but come together as one," Kim said.

Threshold for controlling equipment increased

from the Property Management Group

As a result of several Agency studies and Freedom to Manage recommendations, NASA has increased the equipment threshold for controlling and tracking non-sensitive equipment from $1,000 to $5,000.

This means that employees no longer have to sign for equipment unless it is valued at $5,000 or more. The threshold for sensitive items, however, such as computers, monitors, disk drives, printers, cameras, televisions, weapons and environmentally hazardous devices is unchanged.

This new policy does not relieve the user of responsibility for maintaining and accounting for all government property regardless of dollar value. If you are unsure, or want to review your government property responsibilities, go to http://co.msfc.nasa.gov/ad40/prop-man.html.

Property management personnel are visiting organizations to remove NASA Equipment Control (ECN) bar-code tags from all non-sensitive equipment valued below $5,000 and affixing NASA Form 1517, "NASA Property of U.S. Government," decals to these items.

For more information, call 544-0050.

King

Continued from page 2

during the next five years "to help us deal with all of the issues we have to deal with in long-term space travel such as muscle and bone loss."

The Lab-On-A-Chip (LOCAD) project within the biotechnology discipline is work that will continue at Marshall, as well. The technology replaces multiple pieces of laboratory equipment and labor-intensive processes with a small glass computer chip.

"Obviously it will help us reduce the mass volume requirements on the Station and any other vehicle we design and build," King said.

The Materials Science Research Rack is being built to support Marshall's space science endeavors.

"We have a rich history (in space science)," King said, speaking of Marshall's work on Explorer I, Skylab, Hubble Space Telescope, Chandra X-ray Observatory and other past mission successes reaching back 40 years.

Marshall's space science personnel also have won a Mid-Class Explorer Mission of Opportunity with a proposed optics subsystem for the European Space Agency's Extreme Universe Space Observatory. The Space Optics Department also is managing mirror development for the James Webb Space Telescope, formerly known as the Next Generation Space Telescope.

In the field of earth science, King noted that the Global Hydrology and Climate Center, in collaboration with the National Weather Service, is making significant progress predicting severe storms and short-term weather forecasts.

"We've got some great opportunities here to deal with the future and I'm excited about those," King said. "I'm optimistic about our ability to get the monies that we need to go do the things that have been designed for us to go do. There is a lot of optimism on that point."

Current environment

Part of the current environment at Marshall and within the Agency includes budget activities — for programs and institutional, the Integrated Financial Management Program (IFMP), Full Cost Management, the President's Management Agenda and the Center Strategic Implementation Plan.

NASA Administrator Sean O'Keefe has identified the IFMP as a top priority.

"Marshall has played a large role … and we should be proud of that," King said of the IFMP. "Mr. O'Keefe has consistently billed this as a way to rebuild our credibility with our constituents. It's also not about just implementing new systems, but changing the way we do business. We're going to learn a lot about that … and I think it will move us toward a place where we need to be and give us a greater transparency in programs and projects and help us to be able to manage them better. Budget formulation will be next, and we're going to do that next fall."

Marshall is preparing the 2004 budget submission in Full Cost mode.

"This means that all costs associated with a program or project are paid for by that program or project," King said. "That's a different environment for us. We have to be a little bit flexible during this time and I think we've got the commitment to make that happen."

King said the President's Management Agenda initiatives are "things we are talking about every week in staff meetings. We've got our arms around that. We've got to continue to make progress on that and I appreciate everybody's efforts in getting us there."

The five initiatives of the President's Management Agenda are:

- Strategic Management of Human Capital
- Competitive Sourcing
- Improved Financial Performance
- Expanded Electronic Government
- Budget and Performance Integration

For Length of Service Award recipients, see page 6.

Currently, senior management at Marshall is working on the Center's Strategic Implementation Plan to better position the Center for the future by providing a clear direction and link to the overall NASA Strategic Plan.

Creating the future

King turned his attention to the image on the projection screen showing a child's eyes looking toward the future. He noted that in July, Marshall would be hosting its first Advanced Rocketry Workshop for Educators, NASA Teachers of the Year and the Educator Astronaut Evaluators Review.

The Educator Astronaut Evaluator's Review is made up of representatives from all NASA centers that will review and rate all of the Educator Astronaut applications. Those educators defined as "superior" will have their applications forwarded for further review. The process will eventually result in the selection of three-to-six educator astronauts in early 2004.

King said the education programs at Marshall are essential for continuing work-force development. "We have to find unique opportunities for engaging and educating the public, and there's no better way to do that than through our programs. These are a few of the things we are doing to get the public involved from an education perspective. We want to ensure that our specific education objectives are embedded into, and aligned with, every major program project and research and development activity that we have. That's a key to making (the future) happen."

The writer, employed by ASRI, is the editor of the Marshall Star.

Flight Projects Directorate hosts picnic and open house

The Marshall Center's Flight Projects Directorate hosted a picnic and open house for team members June 10.

Then Center Director Art Stephenson was guest speaker.

The open house included exhibits of hardware and operations. Participants were given information about the Huntsville Operations Support Center, ECLSS Test Bed, Chandra X-ray Observatory, Advanced Projects and Space Transportation Support, and Payload Training.

A "Poker Run" also was held during the event, in which participants touring each exhibit were given a playing card. Prizes were awarded to those who finished the exhibits tour with winning poker hands.

Photos by Emmett Given, NASA/Marshall Center

At the Flight Projects Directorate picnic and open house, employees learn about water recovery processes onboard the International Space Station. From left are Tina Swindell, Peggy Rickles, Kaye Phillips and Kathy Jones.

David Reynolds tells Tessa Lucas about the Payload Equipment Restraint System hardware in a mockup of the International Space Station.

Dr. Jonathan Campbell, left, tells Kirk Teitge about shaping the orbits of asteroids, meteoroids and comets.

At the June 10 picnic, Debrah Underwood serves then Marshall Director Art Stephenson.

Danny Xenofos, left, and Tom Bechtel compare cards for the "Poker Run" during the Flight Projects Directorate picnic and open house.

Marshall team members honored with Length of Service Awards at Center Director's Update

Several Marshall team members were honored at Center Director David King's "Center Director's Update" on July 1 with Length of Service Awards.

The following Marshall team members were recognized:

45 years of service

- Ann R. McNair, FD40
- Willadean McWhirter, PS20

40 years of service

- Warren Adams, TD55
- Charles R. Baugher II, SD41
- Everette E. Beam, TD11
- Donald F. Bishop, SD02
- Donald E. Burton, MP51
- Parker V. Counts, MP41
- Charles G. Crane, Jr., MP21
- Joe B. Davis, MP41
- William H. Evans, Jr., FD43
- Robert L. Green, ED15
- Barry Guynes, MP41
- Buddy Guynes, SD41
- Joe T. Howell, Jr., FD02
- Michael D. Leberman, TD62
- Joe L. Lusk, MP41
- William G. Sutton, ED19
- Ronald E. Tepool, MP21
- John W. Watts, Jr., SD50
- Ann F. Whitaker, SD01

35 years of service

- Donald R. Andrews, QS10
- William T. Anglin, ED43
- James W. Bilbro, DA01
- Kathy L. Blevins, PS20
- Janice P. Burrough, PS20
- Patricia B. Burrow, ED24
- Connie Butler, ED01
- David B. Drachlis, CD70
- Judy S. dunn, UP01
- Kenneth R. Fernandez, SD41
- Betty K. Golden, CD70
- Stephen Hall, FD23
- Earline J. Hammonds, ED36
- Henry H. Harris, MP41
- Gene A. Hartsfield, Jr., FD21
- Daniel C. Hill, QS40
- Danny D. Johnston, ED40
- Inge H. Kuberg, AD41
- Andrew F. Linskey, SD31
- Kenneth E. McCoy, ED25
- Adonna Mitchell, FD10
- Lena F. Morris, UP05
- Linda Mullins, TD02
- Douglas Nixon, TD55
- Ruthe M. Pirtle, RS60
- Brenda K. Poe, ED10
- Linda P. Poe, TD02
- Edwin J. Reichmann, SD50
- Charlotte F. Schrimsher, AD62
- Mary F. Smith, ED16
- Brenda J. Sutherland, ED43
- Brenda Wade, FD43
- David Webb, FD21
- Gerald A. Wheeler, TD01
- Tyrus M. White, ED25
- George M. Young III, UP30

30 years of service

- Virginia A. Adams, TD02
- John C. Alexander, RS01
- Sherman Avans, MP31
- William C. Bailey, AD01
- Stephen Beale, PS01
- John R. Bush, Jr., ED11
- Victor L. Dubose, AD62
- Ona B. Elliott, RS10
- Erskine S. Terry, FD03
- Harold W. Gandy, SD43
- Michael L. Gant, ED33
- James T. Hawkins, QS20
- Seldon L. Harp, RS20
- Jimmy L. Hill, QS50
- Ruth G. Miller, QS40
- Richard L. Morey, Jr., ED34
- Barron Q. Musick, ED02
- Sandra A. Nixon, FD31
- Herman A. Parton, TD71
- Lela S. Reid, ED41
- Michael B. Robinson, SD46
- James E. Smith, SD50
- Jimmy Tunstill, TD72
- Ricky A. Welch, FD43
- Robert E. West, FD31
- Robert F. Whiteley, PS40

Job Announcements

MS03C0123, AST, Reliability & Quality Assurance. GS-0861-14, Safety and Mission Assurance Office, SR&QA Policy, Assessment and Integration Department. Competitive Placement Plan. Closes July 18. Contact: Rita Evans-McCoy at 544-7507.

MS03D0128, Delegated Examining Unit, Management Support Assistant (OA), Term Appointment. GS-0303-06, Duty location in Brigham City, Utah, RSRM Resident Office, Reusable Solid Rocket Motor Project, Space Shuttle Propulsion Office. Closes July 18. Contact: Edwina Bressette at 544-8115.

MS03N0129, Aerospace Engineer, Space Transportation Directorate, High Powered Propulsion Systems Office. Closes July 22. Contact: Jim Bramblett at 544-3398.

MS03N0130, Aerospace Engineer. GS-0861-13, Space Transportation Directorate, High Powered Propulsions Systems Office. Closes July 22. Contact: Jim Bramblett at 544-3398.

MS03N0131, Aerospace Engineer. GS-0861-13, Space Transportation Directorate, Subsystem & Component Development Department, S&CDD/Functional Design Group. Closes July 22. Contact: Jim Bramblett at 544-3398.

MS03C0144, AST, Engineering Project Management. GS-0801-13, Second Generation RLV Program Office, Architecture Definition Office. Closes July 21. Contact: Patricia Caraway at 544-7755.

Center Announcements

Chandra X-ray Observatory Symposium set for September

The Chandra X-ray Observatory Program will host a three-day symposium Sept. 16-18 at the Huntsville Marriott. A banquet will be Sept. 17 at the U.S. Space & Rocket Center. The Marshall Center's Chandra Program is sponsoring the event. For more information, go to http://mi.msfc.nasa.gov/chandra/index.html or call 544-5468 or 544-0570.

Marshall Association scholarship applications due July 31

The Marshall Association will award two college scholarships to dependents of Marshall employees or retirees in August. A technical and a non-technical scholarship will be awarded to incoming September freshmen. The association will accept applications until July 31. To receive or submit a completed application form, call Cliff Bailey at 544-5482.

Disabilities awareness training mandatory for Center employees

Disabilities Awareness Online Training is a mandatory course for all Marshall civil service employees. The course is designed to heighten awareness and knowledge of regulatory requirements under the Rehabilitation Act and to help employees understand special needs of disabled co-workers. The training must be completed by July 31 and is available at https://solar.msfc.nasa.gov. After accessing the SOLAR Web site, click on "Training Disciplines" and then go to "Human Resources."

Full Cost Initiative Web site available

The Full Cost Initiative Web site has answers to questions on "all things Full Cost." For the latest information, go to https://fullcost.hq.nasa.gov.

Marshall Retirees Association offering university scholarship

Students who are direct descendants of a Marshall Center retiree can apply for the NASA-MSFC Retirees Association Scholarship at the University of Alabama in Huntsville. The $1,000 scholarship will be awarded for the academic year beginning in the fall. For more information, call UAH Financial Services at 824-2755.

Astrionics Retirees to meet first Monday of each month

Marshall Center Astrionics retirees meet at 9 a.m. on the first Monday of each month at Gibson's Bar-B-Q at 3319 Memorial Parkway Southwest in Huntsville. For more information, call Jim Lewis at (256) 353-1557.

Marshall Child Development Center accepting applications

The Marshall Child Development Center is accepting applications for its waiting list. Eligible children include those of NASA employees, retired NASA employees, NASA contractors and grandchildren of NASA employees. A $15 fee is charged to be placed on the waiting list. The center accepts children aged 6 weeks-5 years or until entering kindergarten. Operating hours are 6:45 a.m.-5:45 p.m. weekdays. For more information, go to http://mcdc.msfc.nasa.gov or call Kelli Brott at 544-8609.

Marshall Mail Operations guidelines in effect

Only official mail and packages will be handled through Marshall Mail Operations and Central Receiving. Personal mail should be deposited in the U.S. Postal Service office in Bldg. 4200, Room G-39, or in designated post office drop boxes. Incoming personal mail or packages should be sent to a personal post office box or to a home address.

MARS Tennis Club Hi-Lo Closed Doubles Tournament is Saturday

The MARS Tennis Club Hi-Lo Closed Doubles Tournament will be at 8 a.m. Saturday. In the "Hi-Lo" format, players will be matched with a doubles partner. The tournament is for MARS Tennis Club members only. Club members who plan to participate should call Ronda Moyers at 544-6809.

Von Braun Astronomical Society program to feature 'Star Party'

The theme of the Von Braun Astronomical Society meeting Saturday will be "The Summer Skies" with a "Star Party" following using the Von Braun Planetarium telescopes. The event is at 7:30 p.m. at the planetarium in Monte Sano State Park. Admission for non-members is $3 for adults and $2 for children 12 and under. For more information, call Mitzi Adams at 961-7626.

American Chemical Society meeting will be Monday

The North Alabama Section of the American Chemical Society will have a dinner and organizational meeting at 6 p.m. Monday at Papa Lovetti's at 4710 University Drive in Huntsville. For more information, call Rudy Gostowski at 544-0458.

'Alabama Update 2003' event to feature Gov. Bob Riley

Gov. Bob Riley will speak at "Alabama Update 2003" at noon July 17 at the Von Braun Center's North Hall. The event is sponsored by the Huntsville-Madison County Chamber of Commerce. Tickets cost $25. For reservations, call Rosa Kilpatrick in the Marshall Government and Community Relations Department at 544-0042. Deadline for reservations is 4:30 p.m. Monday.

HOPE Place golf tournament will be Aug. 23

The HOPE Place Classic golf tournament to benefit victims of domestic violence will be at 8 a.m. Aug. 23 at both the Highland and River golf courses at Hampton Cove. Cost is $150 per player for the four-person scramble tournament or $600 per team. For more information, call Sharon Tyson at 885-1739.

For more Center Announcements, see "Inside Marshall"

Classified Ads

Miscellaneous

★ Stainless steel step trash can, new, $40. 682-9727
★ Lawnmower, rear bagger, $75; Rotary car lift, $1,000; Redwood chair rocker & chaise lounge. 881-6040
★ Portable handicap loading ramp, $400. 256-534-7913
★ 1997 Yamaha Waveraider 700, cover/trailer garage kept, $2,800. 256-527-1177
★ Seven (7) plastic magazine/newspaper racks, $55 each. 468-6066
★ 1996 Sea Doo XP, lots of extras. 256-572-1197
★ 2002 Honda Shadow American classic edition, $5,200. 830-5140/694-9610
★ Kenmore vacuum cleaner, top of line, canister w/Power-Mate, $75. 883-5543
★ UUC Motorwerks transmission bushings/ Tranny mount enforcer kit for BMW E46 manual, unused, $70. 922-1424
★ Colt government, Model 45 caliber, automatic pistol, blue steel, colt walnut grips w/box, $480. 882-6947
★ Small painted wood desk w/7 drawers, $50; matching corner shelves, $15. 533-4824
★ CD burner, USB external, $40. 658-5855
★ Kitchen island, Oak, 3-shelves on rollers, $40; Women/girl's bicycle, 18-speed, $70. 256-746-8289
★ Rabbit cages, large, $35; medium, $25; both, $55; Alloy wheels for Chevy dually, $250. 462-1518
★ Trail bikes: Kawasaki 90, $650; Yamaha TT225, $800; Yamaha XT125, $650. 772-1843
★ 2001 VStar 650 custom/platinum, loaded w/ chrome, garage kept, $4,500 firm. 325-1657
★ Portable Mig-II (flux) welder w/2 gas bottles, regulator, mask, core/noncore wire, 120V, $200. 828-6213
★ Franklin leather sectional, hunter green, two recliners, queen sleeper, video drawer, snack table, $995. 533-5942
★ Brother AX-250 electronic typewriter w/ protective case and user's guide, $50. 882-6947 after 6 p.m.
★ Rims & tires for 2003 F150, 235x16, 750 road miles, $300. 256-353-4119
★ Ammunition, 9mm, approx. 1300 rounds, FMJ, non-corrosive. 489-1275 after 6 p.m.
★ Bear Re-curve Bow,Victor/Patriot, w/sight, $145. 830-1060
★ Maternity clothes, business & casual, sizes medium and large. 859-4367/656-9590 cell
★ RN Nursing Books, 2001-2001, LPN Nursing Books, Calhoun College, $15 each. 464-8506
★ Bridgestone R265 truck tires, LT245-75-R16, load range "E", used, 4 for $300. 461-5911-232-4385
★ Ladies blue topaz/diamond 14K yellow gold bracelet; 3-topaz stones, 2.5tcw, 6-diamonds 0.12tcw, $750. 656-3123
★ Sears 8HP mulcher/shredder, $350; Kona coffee from Hawaii, $4 per bag. 837-6776
★ Washer, $85; Dryer, $100; Freezer, Upright, 20 cu. ft., $130. 837-6649
★ Kustom bass guitar 60-watt amp head. Part of old combo amp. No spkr. $50. 306-0700.

Vehicles

★ Antique show car, 1969 GranPrix Pontiac, one-owner, white/burgundy, $6,500. 828-3755
★ 1997 Buick LeSabre, 4-door, 125K miles, $6,500. 256-773-7730
★ 2001 Saturn SL2, black, 36K miles, sunroof, a/c, auto locks/windows, CD/tape player, $9,000. 527-0459
★ 1998 Ford Ranger XLT, 4-cyl., auto, 67K miles, bedliner, $4,950. 256-753-2278
★ Two 1964 Super Sport Impala convertibles plus 1983 Cutlass, all for $1,500. 316-1880
★ 1987 Maxima, one-owner, new a/c and tires, garage kept, $3,000 firm. 883-6416
★ 2000 Buick Century Limited, 53K miles, white/gray leather, one-owner, $9,500. 205-913-2600
★ 1998 Ford Explorer Limited, 4x4, 73K miles, loaded, moon roof, one-owner, $11,500. 653-9124
★ 1991 Mits Montero SUV, V6, 4WD, new tires, tow hitch, alarm, all power, $3,500. 658-5855
★ 1987 Jeep Cherokee Laredo, gray, 4WD, 4-door, leather seats, coolant needs charging, $1,500 firm. 509-9550
★ 1986 GMC S15 pickup, AT, PS, $1,795; 1990 Buick LeSabre Custom, all-power, $2,150. 256-538-8525
★ 2000 Nissan Frontier crew-cab, auto, all-power, tilt/cruise, 79K miles, silver, bedliner, $12,500. 880-9025
★ 2000 Buick Century Limited, 53K miles, white/gray leather, one-owner, $9,500. 205-913-2600
★ 1995 Ford F250, long bed, AT/AC, 2WD, tow pkg., tool box, $5,800. 721-9107
★ 1999 Buick LeSabre Custom, 4-door, many options, leather, 22K miles, garaged, $11,550. 881-6670
★ 2002 Toyota Tundra, gray, access cab, 31K miles, off-road pkg., fully loaded, $22,000. 837-2783
★ 1995 Dodge Caravan SE, automatic, 162K miles, blue w/gray interior, V6, $2,500. 256-880-3337
★ 1967 Mustang, automatic, factory air, good paint, interior & tires, $4,900. 256-757-2850
★ 1998 Nissan Maxima, black w/black leather, sunroof Bose stereo, 83K miles, $10,900. 881-1293

Wanted

★ Slide rule. 828-6551
★ Two dust ruffles, red, twin or bunk size. 837-2267
★ Someone to lay ceramic tile. 316-2902

Lost

★ One gold fan-like earring in Bldg. 4202/ 4203 area, lost July 1. Call 544-1506 if found

Found

★ Knife, Bldg. 4201 Parking Lot. Call 544-1778 to claim/identify

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Vol. 43/No. 41

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