Project aims to preserve capabilities at space chambers 7V and 10V

By Philip Lorenz III
Aerospace Testing Alliance

People coming and going to work at AEDC, including test customers, have a lot invested in the facilities and buildings that make up the world’s largest ground testing complex. When they flip a switch to turn on an office light or to set conditions for a space chamber test on a multi-million dollar weapons system test project, they expect safe and reliable power will be available.

The goal at present is to keep between 20 and 25 students in the program at any given time. The University intern and co-op program is an opportunity for the students to have paying summer employment while obtaining real-world experience in their chosen field of study to help them solidify their interest in the kind of work we do, and determine if they would like to have a career in this environment,” Winton said. “We treat it as a long-term interview and utilize the

Learning to advance technologies

By Patrick Auy
Aerospace Testing Alliance

Organizers of AEDC’s first Small Business Innovation Research (SBIR) Transition Workshop say they garnered positive feedback about the event, and that it may lead to several new capabilities being developed at the center.

“Everyone thought it was very productive,” said Dhruti Upender, AEDC’s SBIR program manager. “I think a lot of people made useful connections.”

The two-day workshop held at the Arnold Lakeside Center April 24-25 brought together representatives from 40 companies to meet with representatives from AEDC’s Air Force Research Laboratory, NASA, the U.S. Army Aviation and Missile Research and Development Engineering Center and the Air Force Warhead Center.

The government’s SBIR program allows businesses with fewer than 500 employees to compete for federal research funding on specific needs government agencies have. The business returns all data rights for five years after a project’s completion, while the government also gets all data and intellectual property associated with the effort. In other words, the government defines a need for a capability, small businesses agree to take on the challenge and the government foots the bill for developing the technology.

“SBIR is an incredible program. It’s designed to bring small businesses into the defense world, and it’s an incredible opportunity for the students,” Winton said. “We treat it as a long-term interview and utilize the

Car lovers of all kinds should find something at AEDC Cruise-In

By Patrick Auy
Aerospace Testing Alliance

There should be something worth looking at for just about anyone interested in cars at AEDC’s Cruise in May 11.

“People are coming and going to work at AEDC, including test customers, have a lot invested in the facilities and buildings that make up the world’s largest ground testing complex. When they flip a switch to turn on an office light or to set conditions for a space chamber test on a multi-million dollar weapons system test project, they expect safe and reliable power will be available.

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AEDC Airman places first in swim event

Quarterly award winners announced

AEDC employee loves seeing the world
Time to change our EPR culture

By Master Sgt. Lisa Hover
Air Force Personnel Network

INCIRLIEK AIR Base, OMAN – The second time I pressed on the screen, I knew I could do no more. The Air Force wanted me to help write fair, equitable performance reports for our people. I was proudly serving in a combat role in Incirlik Air Base, Turkey. I knew the people we supported and loved deeply

When I pressed enter, I was greeted by a three-page spread. “Did the commander know what he was doing?” I asked myself. I was on my second attempt in the approval process to ensure the fair evaluation of our people. I knew I had to empower my people. I knew I had to do better.

I had been a predictor, a developer, and an evaluator. This was a brand new space. I was starting afresh. I was not sure what to expect. I was not sure how to handle it. I was not sure what the right thing was.

But I knew I had to do better. I knew I had to empower my people. I knew I had to be a mentor, a leader, and a coach. I knew I had to do better.

In the Air Force, the opinion of your peers is important. They are the ones who know you best. They are the ones who know your strengths and weaknesses. They are the ones who know your passions and your skills. They are the ones who know your potential. They are the ones who know your future.

And they are the ones who know what it means to be a part of this great Air Force. They are the ones who know what it means to be a part of this great nation. They are the ones who know what it means to be a part of this great world.

I was determined to do better. I was determined to empower my people. I was determined to be a leader, a mentor, and a coach.

In conclusion, if Airmen believe their supervisor does not understand their worth, they will not believe anything more. Further, if Airmen believe their supervisor does not value their knowledge, they will not believe anything more. Additionally, if Airmen believe their supervisor does not support their professional development, they will not believe anything more.

If Airmen believe their supervisor does not care about their personal goals, they will not believe anything more. Finally, if Airmen believe their supervisor does not care about their family, they will not believe anything more.

In the end, Airmen need to believe in themselves. They need to believe in their own worth. They need to believe in their own potential. They need to believe in their own future.

I believe in Airmen. I believe in their worth. I believe in their potential. I believe in their future.

And I believe in the Air Force. I believe in its greatness. I believe in its potential. I believe in its future.

I believe in America. I believe in its greatness. I believe in its potential. I believe in its future.


I believe in the world. I believe in its greatness. I believe in its potential. I believe in its future.

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AEDC’s Capt. John Dayton brings first place in Air Force swimming event

By Patrick Ary

AEDC Capt. John Dayton is the Assistant Operations Officer for AEDC’s Turbine Engine Ground Test Complex. Dayton spent a week away from work in April to compete in the Headquarters Allied Air Command’s Swimming Championships, an annual event which brings together Air Force Airmen from across the U.S. and five European countries for what Dayton calls a “diplomacy through sports mission.”

Dayton’s Air Force team is not a swimming event, but one AEDC Airman has already spent plenty of time in the water.

Capt. John Dayton, Assistant Operations Officer in AEDC’s Turbine Engine Ground Test Complex, competed April 19 in the Headquarters Allied Air Command’s Swimming Championships in Zakopane, Poland. The Project Management Institute’s Chattanooga Chapter kicked off its formation of the new Southern Middle Tennessee Branch.
...the upgrade decreases the potential for power outage and significantly reduces the risk of damage or contamination to their test articles and increases the reliability of the test chamber operation.

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Capt. Tim Calver

Space chamber test project manager

The current phase of the project has involved installing the medium and low voltage unit substations without impacting ongoing test operations. Minter said the new consolidated substations have many advantages over the older units. "These two substations are located inside what is called an e-house, where a technician who needs to work on them will be in an enclosed, dry climate-controlled building," he said. "They've got aseptic lighting, they're out of the weather conditions and they can safely operate all of the equipment inside the e-house without environmental concerns, plus it makes the equipment last significantly longer.

Describing the substations, Minter said, "They are a head-up version of the breaker panel in your house. It's a large bank of giant breakers that distribute power to the various parts of the building. The unit substations consist of a transformer and the switchgear – it's stepping down the voltage each stage.

Minter said the new equipment is side-by-side with the old and maintains the reliability of equipment. "We've also gotten gas insulated switchgear (GIS)," he said. "It's a new design of switchgear that virtually eliminates the arcing that has to occur from that piece of equipment.

Kirk Rathel, AEDC's maintenance division dep-uty, said testing conducted in the space chambers requires reliable power for long periods of time. "Most of the 10V tests run 24-hours a day for several weeks at a time," he said. "While we rely on backup generation in other areas, 10V can take a day or two to safely come off the grid and return the test article to ambient conditions. Relying on an emergency generator for that timeframe presents a higher risk.

The major risk of power interruption or failure is to the test article and some of the sensitive test instrumentation within the chamber environment. Both can sustain damage if the environment rapidly changes. Most of this test equipment includes unique items costing several mil- lions, taking a long time to replace.

Capt. Tim Calver, a space chamber test project manager with AEDC's Space and Missile Ground Test Complex, put the current upgrade project into context. "The power project will increase the reliability of our 7V and 10V chambers and supporting systems by providing redundant power that will seamlessly trans- fer to an alternate source should the primary source be interrupted." Calver said.

"As a result, the 10V and 7V chambers will have increased robustness against unexpected power outages that might occur during testing. The great- est benefit will be to our test customers, the upgrade decreases the potential for lost test time. In addition, damage or contamination to their test articles and increases the reliability of the test chamber operation. Consequently, customer test programs will be better protected from unexpected costs related to power loss or disruption."

Calver also commented on the consequences of a prolonged loss of power to the space chambers at AEDC. "A power failure or in- terruption while the chambers and test articles are at test conditions could result in shutdown of the support systems needed to sustain cryogenic and vacuum environmental test condi- tions, possibly allowing cryogenic deposition of ices that degrade chamber performance," he said. "As a result, an outage could necessitate a warm-up cycle to clean and de- ice 10V and 20V systems and test articles. Safeguard procedures are in place to reduce the possibility of temperature and pressure disruption that could occur if the power outage occurs, but cryogenic vacuum systems are a bit more prima- ry. The current upgrade project can only be held for a limited time during a power outage if needed."

Calver added, "It's a significant amount of time to pump a chamber down to the proper temperature and pressure ranges and any unexpected rise in these conditions could add cost to the test. With- out the doubling the install- ation of redundant, reliable power is a boost to our test customers, the Space and Missile Ground Test Complex, and AEDC.

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EPR from page 2

In certain communities, parents believe children brainwashed by teaching. They respond by collecting sprink-ler stakas, publicly yelling at their children’s schoolmates in cho- ruses. In commu- nities that have a gentle environment, the parents speak candidly. In the Air Force, when it comes to the EPR, we also have beliefs that influence our behavior. We believe five EPR is necessary for promotion. We believe inflated ratings don’t matter because they happen every-where. We even believe a three or four EPR is reserved for bad Airman. These aren’t the numbers we say, but what the EPR says, but they are the numbers we believe, and we respond accordingly. In fact, those assumptions are so ingrained in our minds that it’s hard to reject them. We are so strong that even those who don’t want to believe, those who want to keep firmly, struggle to break free from the cultural pressure.

If we understand the im- plementing standards, beliefs, and ratings according to their test articles and their environment, the ratings are wrong. They are so strong and even those who don’t want to believe, those who want to keep firmly, struggle to break free from the cultural pressure.

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Prior to Litchfield’s assignment as commander of the Oklahoma City ALC in November 2011, he was the Special Assistant to the AFMC Commander at Tinker AFB. Litchfield’s previous assignments include logistics and acquisition assignments supporting weapon systems at wing, major command, Air Staff and the Joint Staff levels. He has commanded a supply squadron, logistics group and combat support systems wing and was the Director of Logistics at Headquarters Pacific Air Forces, Hickam AFB, Hawaii. The command’s maintenance and supply mission will be led by the new Air Force Sustainment Center at Tinker AFB. The AFSC will consolidate oversight of most missions now performed at the Oklahoma City Air Logistics Center at Tinker AFB; the Warner Robins ALC at Robins AFB, GA; and the Ogden ALC at Hill AFB. The three ALC headquarters will stand down and their combined workforce will report to the new AFSC.

The command’s maintenance and supply mission will be led by the new Air Force Sustainment Center at Tinker AFB. The AFSC will consolidate oversight of most missions now performed at the Oklahoma City Air Logistics Center at Tinker AFB; the Warner Robins ALC at Robins AFB, GA; and the Ogden ALC at Hill AFB. The three ALC headquarters will stand down and their combined workforce will report to the new AFSC. Each location will continue to operate one of the Air Force’s three air depots, to be named the Oklahoma City, Warner Robins and Ogden Air Logistics Complexes, respectively.

The AFSC is planned to reach initial operating capability at Tinker AFB in October 2012. The AFMC restructure was announced Nov. 2, 2011, as part of several Air Force efficiency efforts. The restructure will cut overhead costs and redundant layers of center headquarters staffs and is expected to generate Air Force savings of $109 million annually.

The restructure will improve AFMC’s overall management of the Air Force’s research and development, test and evaluation, life cycle management and sustainment of weapon systems and nuclear support, and will allow AFMC to provide better support to the warfighter and use taxpayer dollars more efficiently.
AEDC volunteers help out at Special Olympics

AEDC volunteers helped out at the 43rd Annual Area 13 Special Olympics April 19 at Tullahoma High School. Clockwise from right: AEDC’s Holly Jones and Misty Layne celebrate with one of the participants in the 43rd Annual Area 13 Special Olympics April 19 at Tullahoma High School; Amanda Stroop and Josh Meeks hand out trophies; Janice Willis, left, and Misty Layne talk with one of the participants; AEDC Honor Guard members 2ndLt. Carl Tegtmeier, 2nd Lt. Matthew Karczewski, 1st Lt. William Edge and 1st Lt. Wes Meredith presented the colors at the opening ceremony; and some of the volunteers representing AEDC at this year’s Special Olympics included Misty Layne, Wilsie Ford, Janice Willis, Kandi Pearson, Sherry Covington, Rosemary Matty and Jere Matty. (Photos by Jacqueline Cowan)
In order to give the students an opportunity to work alongside the senior leader, major innovation occurred.

"We try to make the students' broad interests," she said. "For instance, we'll ask engineering students if they are more interested in doing systems engineering, or if they are interested in finding the solutions. However, problem-solving is one of the most important needs we identify."

"I would love it if NASA and the Defense department together create an internship program now," she said. "I spoke with the Aerospace University Programs Team and they are interested in the idea."

"The difference between the students' view of the engineering teams registering for the Air Force Materiel is a wonderful event."
Dhriti Upender, AEDC’s Small Business Innovation Research (SBIR) program manager, is the recipient of the William M. Dunne People’s Choice award.

Upender was the driving force behind the company’s first ever tech transition workshop, bringing in companies and DOD partners from all over the country to highlight and discuss new technologies.

Upender was recognized for successfully pursuing large business opportunities, developing AEDC’s small business development. She also wrote seven proposals that secured an additional $1.8 million in technology development funding for the center.

Under her guidance, Upender has created relationships between the Test Division, Technology Branch, Contracting and Financial Management departments at AEDC that have enabled the center’s SBIR team to achieve an execution rate of 99 percent.

Upender has restructured the evaluation process to ensure higher technology readiness levels at the end of development, increasing the probability of transitioning technology to commercialization.

Upender’s success at AEDC has led to her being recognized for her assistance in improving the program at other centers.

AFMC to promote Employee Physical Fitness Month

By Tech. Sgt. Steve Grever

AFMC has announced May as Employee Physical Fitness Month.

May is a time when the Air Force Materiel Command Wellness Support Center encourages everyone to make fitness a priority. It is also a time to highlight and promote an annual program that recognizes the unique contributions service members, civilians, contractors and retirees have made to the organization.

The Be Active: Physical Fitness Initiative

The Be Active: Physical Fitness Initiative is open to all active duty and appropriately-funded AFMC civilian employees. How to Participate in the Be Active: Physical Fitness Initiative:

• Physical Activity Health Education Classes provided, from primarily face-to-face interactions to a blended model with brain function improvement
• Log minutes of physical activity during the month of May, including a minimum of 30 minutes a day
• Participate in at least one activity each week
• Complete an online assessment to track progress

• Physical Activity Impact of the William M. Dunne People’s Choice award.

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AFMC wins Dunne People’s Choice award

By Shanda Peterson

AFMC has recently announced the winners of the Dunne People’s Choice award.

The award recognizes the outstanding work of AEDC’s employees.

The winners are:

1st Lt. Charmeeka Serregins

Senior Grade Officer

Company Grade Officer

Shanda Peterson

Civilian of the Quarter

Peterson, budget analyst, was recognized for demonstrating exemplary performance as an accounting technician at AEDC’s Financial Analysis Division.

Dhruti Upender, AEDC’s Small Business Innovation Research (SBIR) program manager, was the recipient of the William M. Dunne People’s Choice award.

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• Physical Activity Impact
John Wright is the ATA Team Member of the Quarter.

Wright, the investments project manager for the 4T Captive Energetic System, was recognized for his work on the 4T modernization project and for successfully guiding his design team through a complex design.

Wright successfully guided his design team through what the Test Systems design section manager described as the most complex design they have ever done. Wright also worked to get drawings through coordination review and engineering checks in advance of the critical design review in order to receive project schedule due to a lengthy design phase.

Michael Mashburn
ATA Team Member of the Quarter
Information Technology & Systems

Mashburn, programmer, was recognized for continually seeking ways in which to improve test processes in the Propulsion Wind Tunnel Facility.

Denise Pegram
ATA Team Member of the Quarter
Information Technology & Systems

Pegram, programmer, was recognized for her support of the Minuteman Stage 3 rocket motor firing in test cell J-6.

Kriti Farris
ATA Team Member of the Quarter
Resource Provisioning

Farris, supply technician, was recognized for providing critical assistance in converting records to an online storage process.

Scott Nikodym
ATA Team Member of the Quarter
Safety & Health

Nikodym, safety specialist, was recognized for providing significant support to an APTU test program.

Jeff Swanberg
ATA Team Member of the Quarter
Support Services

Swanberg, police detective, was recognized for preparing the AEDC Police Department for the AFMC Unit Compliance Inspection in addition to handling several open cases.

Michael Mills
ATA Team Member of the Quarter
Integrated Test & Evaluation

Mills, engineer, was recognized for his excellence and meticulous voluntarism within the Flight Systems Product Branch.

Sandra Sullivan
ATA Team Member of the Quarter
Integrated Test & Evaluation

Sullivan, lead financial administrator, was recognized for ensuring project managers are aware when funds are low and working to keep work flowing.

Denrek Hammecki
ATA Team Member of the Quarter
Facilities Operations & Maintenance

Hammecki, mechanical system engineer, was recognized for getting a crew back in service to meet a critical deadline, and for assuming duties as lead Fire Protection System engineer.

Brian Edinger
ATA Team Member of the Quarter
Facilities Operations & Maintenance

Edinger, PWT plant lead engineer, was recognized for implementing changes to the 1ST interlock system that improved safety and test efficiency.

Richard Bearden
ATA Team Member of the Quarter
Resource Provisioning

Bearden, lead stockkeeper, was recognized for achieving excellent delivery cycle times and ensuring zero loss and damage of incoming material.

Jody Hayes
ATA Team Member of the Quarter
Craft Team Member
Information Technology & Systems

Hayes, journeyman boilermaker, was recognized for his support of preparation and testing in both APTU and G Range facilities.

Stan Travis
ATA Team Member of the Quarter
Craft Team Member
Support Services

Travis, police officer, was recognized for implementing changes in new credential checks on base and ensuring traffic flow was smooth during peak hours.

Jack Murdock
ATA Team Member of the Quarter
Craft Team Member
Facilities Operations & Maintenance

Murdock, journeyman ironworker, was recognized for helping ensure a platform replacement project was completed on time and on budget.

Bill Sizemore
ATA Team Member of the Quarter
Customer Service – Internal
Safety & Health

Sizemore was recognized for supporting the TEDAC program for asbestos, TCE and glycol issues and for supporting safety and environmental program blasting at the Elk River Dam.

Mike Eppinger
ATA Team Member of the Quarter
Customer Service – External
Integrated Test & Evaluation

Eppinger was recognized for his support of the TF-34 test by directing a last-minute rework to the bellmouth support assembly.

Milestones

30 YEARS
Kathleen Shimira, ATA
Benita Poole, ATA
Stephan Mayou, ATA
Katherine Brause, ATA
Kenneth Rigby, ATA
James Devine, Jr., ATA

25 YEARS
Janey Benne, ATA
Daniel Brown, ATA
Perry Hoge, ATA
Thomas Bush, ATA
Eric Mitchell, ATA

20 YEARS
Virginia Gardner, ATA
Donald Weaver, ATA
Kathleen Comer, ATA
Stanley Burgett, ATA
Melissa Wigney, ATA
Shannon Davis, ATA

15 YEARS
Marchen Darnell, ATA
Steven Underwood, ATA
James Winchester, ATA

10 YEARS
Alan Fleenor, AF
Thomas Miller, AF
Don Newsom, Jr., ATA
David Piemonte, ATA
James Williams, ATA

5 YEARS
Michael Key, ATA
John Voelcker, ATA
Daniel Lewis, ATA
Bradley Parks, ATA
Stephen Poey, ATA
Danny Bracklin, Jr., ATA

NEW HIRES
Carl Schwozpath, AF

PROMOTIONS
Gregory Tooley, ATA
Sarah Cothran, ATA
Denise Gayner, ATA
Jonathan Parks, ATA
William Burr, ATA
Jon Cox, ATA

Chris Rogers
Customer Service – External
Integrated Test & Evaluation

Rogers was recognized for his support of the TF-34 test through identifying and tracking adapter kit hardware.

ATA Craft Team Member of the Quarter

Garry Burnett is the ATA Craft Team Member of the Quarter.

Burnett, a pipefitter/working foreman in the Facilities Operations and Maintenance Department, was recognized for overcoming challenges in the fabrication and installation of the C-1/C-2 cooling air project.

Burnett also was recognized for working across craft lines. He and his crew worked with boilermakers to fabricate a needed project piece at a substantial cost reduction.

Burnett also was recognized for his ability to recognize problems before they can impact operations.

Daniel Warren, ATA
Joel Nalin, ATA
Jonathan Kodman, ATA
Peggy Glass, ATA
Denrek Hammecki, ATA
Zachary Lowry, ATA
Georgia Long, ATA
Matthew Morgan, ATA
Walter Cook, ATA
Danny Alexander, ATA
Kathryn Stephens, ATA
Jesse Ogle, ATA
Sandra Williams, ATA
Rea Campbell, ATA
Paulfield, ATA
Stuart Hannah, ATA
Benjamin Klinger, ATA
James Horine, ATA
Butcher: an interesting journey

By Philip Lorenz III

Aerospace Testing Alliance

Sharon Butcher, an Information International Associates (Ita) Inc. resource librarian at AEDC’s Technical Library, loves to travel. She recently returned from a 10-day vacation to Machu Picchu and Nazca, Peru and the Galapagos Islands, Ecuador, satisfying a burning desire to visit those “special places.”

A dual love of learning and traveling has provided her with the motivation that has kept her going highs throughout her life.

Parents were travel- ers, but I caught the travel bug when I went to California with my grandfather, when I was in high school,” she said. “And I think I have all the genes for adventure and excitement in my family.

Over the years she has traveled to England about 12 times and vacationed in Scotland, Wales and Italy. She also has visited Canada, including trips to Toronto, the Maritime Provinces, Prince Edward Island, and Newfoundland.

Her most recent trip still has her thinking about it as long as she can remember.

Butcher has wanted to visit the Galapagos Islands off the coast of Ecuador for years.

“I remember reading about the Galapagos in the 1930s, when I was stationed at Barksdale AFB, La., and RAF Chicksands, UK. Living in a position to help people.

Butcher said the high-light of working at AEDC’s Technical Library is being in a position to help people.

“I’ve always enjoyed finding information,” she said. “I like helping people resolve information problems.”

What happened next took Butcher completely by surprise.

“Aunt Rowena suggested I interview Neil, an X-15 pilot, who was going to be visiting his parents in a couple of weeks,” Butcher said. “This was a hatchet plan for my interview with Neil. He was a gracious interviewee, suggested I take math and the sciences, and wished me success in all my endeavors.”

Butcher knew that if she had a hit to interview, she had to take the assignment, hand-wrote the assignment, handed it to [and get it].

Meeting Armstrong left an indelible impression on Butcher, but provided her with the opportunity to meet the astronaut three more times.

“Viola Armstrong saw to it that I had a ticket to the hometown parade and reception for Neil, to celebrate the moon landing,” she said. “I took out Neil at the 50th anniversary of the moon landing celebration at NASA Lewis Cleveland.”

Butcher said she cherishes those memories but her focus going forward will be on more traveling and enjoying life after retirement.
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a 10 percent discount on Pro Shop merchandise.

Driving Range:
- 10 percent discount on all driving range golf balls, coffee & snacks
- No max for group play

Arnold Lakeside Center
Es Arnold Lakeside Center

12 with an 8 a.m. shotgun

14  •  14  •

Don’t miss the Arnold Golf Course’s Triple Play Tournament to America the Beautiful

May Movie Schedule
Event with your friends and family
- 3 days later (Monday thru Wednesday)

May 26 Snapped clicker
- 6 a.m.
- 9:00 a.m.
- 10:00 a.m.

May 24 The New - starring Adam Sandler
- 10:00 a.m.

May 21 The 100th Day of School - starring Reese Witherspoon
- 9:00 a.m.

May 23 Lord of the Flies - starring John Boyega
- 2:30 p.m.

May 25 Juno - starring Jennifer Jason Leigh
- 10:00 a.m.

May 22 The Peanut Butter - starring Paul Giamatti and Jennifer Aniston
- 2:30 p.m.

May 27 The Hangover Part II - starring Bradley Cooper
- 10:00 a.m.
- 3:00 p.m.
- 9:00 p.m.

By Appointment: 303-385-2728

May 12 Fried catfish
- 10:00 a.m.

May 20 A Good Year
- 1:30 p.m.

May 28 Irish stew
- 1:30 p.m.

May 11 Prime Rib - for Two, $29.95

May 17: $10 off for new members

May 21 All other member's only pro - shop merchandise.

May 25 build-your-own deli sand-


Armed Forces Day activities in May

Arnold Golf Course

May 11 – 13: $5 off

May 17 – 19: $10 off

May 22 – 26: $15 off

May 27 – 31: $20 off

$1,620

$2,155

$8.95 member, $10.95 non-

$1,055

$1,320

$1,590

$1,860

$2,130

$4,650

$6,300

$80 per
determine which tee to play

Flighted into A and B flights.

12 with an 8 a.m. shotgun

14  •  14  •

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book! Arnold Golf Course

AEDC for ages 9-11, Junior Miss
ages 12-15, Little Miss and Princess ages 7-8.


$8.95 member, $10.95 non-

$1,055

$1,320

$1,590

$1,860

$2,130

$4,650

$6,300

9:00 a.m.

9:00 a.m.

10:00 a.m.

12:00 p.m.

1:30 p.m.

2:00 p.m.

3:00 p.m.

4:00 p.m.

5:00 p.m.

6:00 p.m.

7:00 p.m.

8:00 p.m.

9:00 p.m.

10:00 p.m.

11:00 p.m.

Any attending may vote for

May 26 with 26 at check in at

www.afclubs.

Arnold Golf Course

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Call us on Check out us on Face-
book! Arnold Golf Course

May 26 with 26 at check in at

www.afclubs.
sucked up on a blanket of stars. We’re at home on the range showing how we’ve grown and what we’ve built. 

Swim: Tuesday & Thursday

Field Trips: Friday, Ratty Falls in Chattanooga

Week 5: 2-6 July, Fabulous 4th Freedom Food! Come cheer for the team and the American dream with Camp Adventure. Say “hip-hop hooyah” for Team USA at a double header of old-fashioned fun and fantastic frondles! Children of the nation cast YOUR vote and be counted at Camp Adventure’s Conven- tion Celebration. We’re making sparks fly by this July 4th at our Star Spangled Spirit Spoons Olympic Day Tuesday: Family Bar- bQ at the ALC parking lot.

Wednesday: Holiday CLOSED Thursday: SWIM Closed

Week 6: 9-13 July, Crazy! Through the Com- mons!

...It’s your time to shine on a planetary race through our solar system. Observe the com- metes as you zoom to the moon, circle the sun, and orbit the polar axis. Learn the order of the planets and hunt for moon rocks. Rev- up with rocket science and consider the vastness of the universe and constellations. Keep an eye on the sky for this outrageous exploration of the outer limits ... and may the force be with you!

Tuesday & Thursday

Field trips: Friday, Huntsville Space & Rocket Center

Week 7: 16-20 July, Olympic Games for Kids! Join us for the kayak, how to do proper rowing. The class will give you basics completely to be eligible. You must be present to win, but all prizes. You do not have to sign up at least a day ahead of time to ensure equipment is available. When you arrive, simply meet at the paintball field and put down your deposit payment. The first 45 minutes of an Outdoor Rec (ODR) softball player. Cost is $31 per person with equipment provided and includes 50 paintballs. All teams are 10 players per team, share, use equipment and that also comes with 500 paintballs. All paintballs must be purchased from ODR for a fee of $4 for a box of 2,000. All paintball programs are for ages 10 and older. Ages 10-17 must have a parent permission form.

Remember to wear appropriate clothing – long pants, a long-sleeved shirt and closed toe shoes – as paintballs fly at 300 feet per second. Please be sure to register for door prizes. You do not have to be present to win, but all prizes. You do not have to sign up at least a day ahead of time to ensure equipment is available. When you arrive, simply meet at the paintball field and put down your deposit payment. The first 45 minutes of an Outdoor Rec (ODR) softball player. Cost is $31 per person with equipment provided and includes 50 paintballs. All teams must be purchased from ODR for a fee of $4 for a box of 2,000. All paintball programs are for ages 10 and older. Ages 10-17 must have a parent permission form. 

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