

# VISION



**Arnold Engineering Development Center  
Arnold Air Force Base, Tennessee**

# Contents



Welcome .....	1
Mission .....	2
A History of AEDC .....	5
Particulars .....	12
Military Matters .....	15
Services .....	17
Conference Facilities .....	19
The Region .....	20
Education Opportunities .....	23
Maps .....	XX

## ISO 9000

Striving to meet the highest quality standards and customer expectations, AEDC organizations have worked hard to measure up to quality standards like ISO 9000, which has become the worldwide standard for quality. AEDC's contractors — center support contractor ACS (a joint venture of Computer Sciences Corp., General Physics and DynCorp.) and test support contractor Sverdrup Technology Inc. — have been deemed compliant with ISO 9000 by an auditing team from Georgia Institute of Technology.

ISO 9000 is a series of five individual, but related, standards on quality management and quality assurance. The ISO system created a set of standards for the exchange of goods and services. The primary objective of a compliant ISO 9000 operation is to have all major processes documented to reflect the actual way an organization performs work.



In April 1999, the Department of Defense's Software Engineering Institute designated Sverdrup a level 2 organization according to its Capability Maturity Model. It's a distinction test customers are looking for in distinguishing organizations that have taken quality steps in ensuring software is what it should be.

In May 1999, the Gartner Group, an independent service assessment firm, gave ACS world-class marks for the computer support it provides to AEDC.

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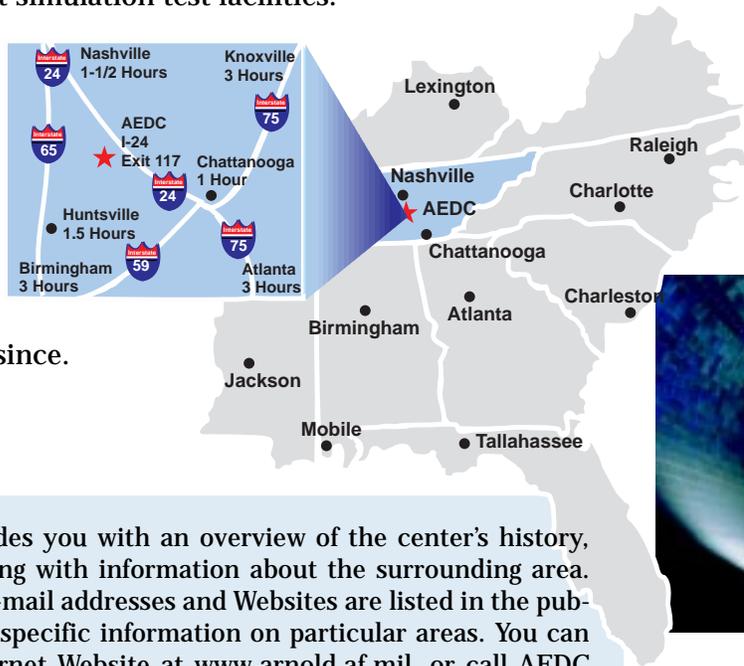
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# Welcome to AEDC

Arnold Engineering Development Center is the world's largest and most complex collection of flight simulation test facilities.

The 4,000 acres that comprise AEDC are part of the 40,000 acres of Arnold Air Force Base. Dedicated June 25, 1951, by President Harry Truman, AEDC has tested virtually every high performance aerospace system the Department of Defense has used since.



This publication provides you with an overview of the center's history, mission, and services, along with information about the surrounding area. Several phone numbers, e-mail addresses and Websites are listed in the publication if you want more specific information on particular areas. You can also consult Arnold's Internet Website at [www.arnold.af.mil](http://www.arnold.af.mil), or call AEDC Public Affairs at (931) 454-5586.

## *The world's premier flight simulation test facility*



# Mission and Test Capabilities



## About Arnold

Arnold Air Force Base is not a typical military installation.

The base is almost 40,000 acres, with a 4,000-acre lake. Military family housing has only 39 units for married accompanied military personnel. It hosts no flying units, and the number of assigned military personnel and government civilian employees is about 10 percent of the base's work force.

Arnold AFB is also the only active-duty Air Force base in Tennessee.

The base is the largest employer in the local area and has an annual economic impact of more than \$400 million on the Middle Tennessee economy.

## Arnold Engineering Development Center

The host unit at Arnold AFB is the Arnold Engineering Development Center. AEDC is the world's most diverse complex of aerospace flight simulation test facilities.

AEDC is an Air Force Materiel Command test and evaluation center and is the Air Force and Department of Defense's ground flight simulation center.

The center operates 58 test facilities at Arnold AFB and AEDC White Oak, Md. (Hypervelocity Tunnel 9).

Both the base and the center are named after World War II commander of the U.S. Army Air Forces, 5-star General of the Air Force Henry "Hap" Arnold.

AEDC engineers, scientists, technicians, craftsman and support personnel have been involved in the development of nearly all U.S. military and NASA high-performance aircraft, missiles and space systems including all manned space systems from Project Mercury to the Space Shuttle.

The center's test facilities include jet and rocket engine propulsion test cells, aerodynamic and propulsion wind tunnels, space chambers, arc heaters and ballistic ranges that can simulate virtually every aspect of flight from ground level to deep space. Ground testing before flight reduces risks, saves lives, equipment and money in operational testing.

## Outsourced workforce

The center's Air Force and Navy staff provides management direction, resource allocation, oversight and contract administration.

The majority of the work is performed by two support contractors – ACS, a joint venture of Computer Sciences Corp., DynCorp and General Physics; and Sverdrup Technology, Inc./AEDC Group.

ACS is responsible for center support including civil engineering, environmental services, information systems, security, fire protection, purchasing, custodial, food services and public affairs.

Sverdrup's responsibilities include conducting propulsion, space and flight dynamics testing.

AEDC has had a contractor work force since it opened in 1951. Today the center is held up as a model for DoD outsourcing.

Approximately 300 Air Force and Navy military and civilian personnel are assigned to AEDC. The total work force of the center is around 2,900. The median age of the work force is 46, with an average of 16 years of center experience.

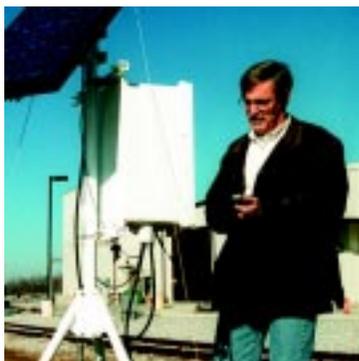
## AEDC Testing

AEDC supports the development of aerospace systems through its major testing facilities broken into three business areas: aerodynamics, aeropropulsion and space and missiles.

## Aerodynamics

The majority of the aerodynamic testing is done in the two large wind tunnels in the Propulsion Wind Tunnel facility.

The facility has two 16-foot wind tunnels, one supersonic and one transonic. Transonic refers to speeds just below and just above the speed of sound. The tun-



nels are used primarily to test the aerodynamic performance of large models of aircraft, spacecraft, rockets or full-scale smaller sized missiles like the Navy Tomahawk missile.

During wind tunnel tests, conditioned air is blown past a stationary model and flight characteristics are measured. In some cases, the propulsion systems and inlets are tested simultaneously to make sure they are designed to provide adequate airflow to the engine under all flight conditions.

A four-foot transonic wind tunnel is used for compatibility and separation testing. Store separation investigations make sure bombs, missiles, fuel tanks or other externally-carried stores separate cleanly from the aircraft when released.

Three hypersonic wind tunnels in the von Karman Gas Dynamics Facility also are operated under the Aerodynamics business area

Test and evaluation tools include not only wind tunnels, but also computational modeling, including Computational Fluid Dynamics.

Flight testing is risky and costly. To mitigate these risks, AEDC is increasing the use of Integrated Test and Evaluation. An integrated, knowledge-based approach to development, test and evaluation reduces cost by increasing computer modeling and wind tunnel simulation accuracy and fidelity, reducing the number and duration of individual flight tests required and reducing flight test costs.

### Aeropropulsion

The Engine Test Facility's engine test cells are used for the development and evaluation testing of propulsion systems for high performance aircraft.

Ground testing of these air-breathing engines provides test data evaluating the performance, operability and reliability of the engine. It can help cut development time and the number of test flights required for a manned aircraft or unmanned weapon system.

ETF's Aeropropulsion Systems Test Facility with two test cells provides engine testing from takeoff, through climb to altitude and multi-speed combat ma-

neuvers, to descent and landing. ASTF is designed for full-mission simulation of advanced jet engines.

ASTF has tested large commercial jet engines like Pratt & Whitney's 4000 series and Rolls-Royce's Trent 800, both used on the Boeing 777. High performance military jet engines like the Pratt & Whitney F119 for the new Air Force F-22 Raptor and the multi-service, multi-national Joint Strike Fighter are under development in these test cells.

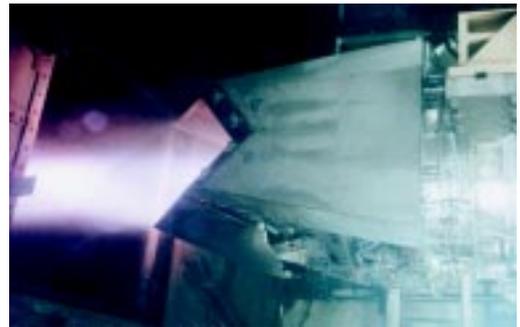
### Space & Missiles Systems

The Space & Missiles Systems Division operates hypersonic wind tunnels, rocket test cells, space environmental chambers, arc heaters, ballistic ranges and other specialized test units. These test facilities can simulate flight conditions from sea level to altitudes of 300 miles and velocities from subsonic to well above Mach 20.

Large Rocket Test Cell J-4 is the largest simulated altitude liquid rocket engine test cell in the world. It tests liquid fueled rocket engines under near space conditions. The upper stage motor for the Apollo moon program's Saturn V launch vehicle was tested here as well as upper stage engines for Titan and the Air Force's new family of heavy lift Evolved Expendable Launch Vehicles.

Large Rocket Test Cell J-6 is the largest simulated altitude solid rocket motor test facility in the world, capable of firing solid rocket motors of up to 500,000 pounds thrust at simulated altitudes of 100,000 feet. Minuteman and Peacekeeper Intercontinental Ballistic Missile upper stage motors are test fired in this test cell.

Rocket propulsion systems are tested to measure thrust, propellant burning, nozzle control, shutdown characteristics and ignition.



Hypervelocity testing in controlled weather simulations such as snow, rain or dust can be tested in the hyperballistic ranges. The effects of erosion, vibration and temperature also can be tested.

These ranges are used to study the impact of natural or man-made debris on aircraft, space vehicles and satellites.

A bird impact range is used to study the effects of bird strikes during flight on aircraft canopies and wing leading edges.

Four high-vacuum space chambers simulate the vacuum of space and solar radiation that vehicles experience in actual flight.

The large Mark I space chamber, which can simulate altitude of up to 300 miles, tests military and commercial satellites. The NAVSTAR Global Positioning Satellite was tested in this facility. Loral Space Systems is scheduled to test 3-4 commercial satellites a year starting in fiscal year 2000.

The DECADE Radiation Test Facility is a new advanced generation nuclear test facility designed to test 21<sup>st</sup> century space and missile systems and their components against nuclear weapons' X-ray effects.

The Advanced Missile Signature Center supports the Ballistic Missile Defense Organization with data archival, analysis and experiment support activities.

## Technology

The Applied Technology Directorate provides technologically advanced tools and services, such as new facility test techniques, computational modeling,

simulation and analysis, instrumentation, diagnostics, information technology and foreign technology assessment to support AEDC's developmental test and evaluation facilities and customers.

## Test Support

AEDC provides a full spectrum of support for its test facilities including planning and developing test equipment and procedures. Capabilities include repairing, building, maintaining and installing test equipment.

Laboratory services ensure reliability and accuracy of materials, instruments, equipment and test articles.

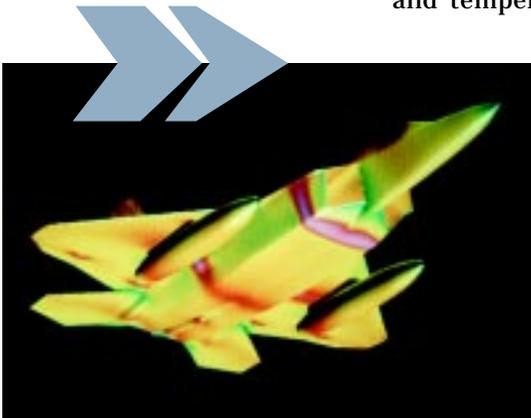
AEDC maintains the DoD's ninth most powerful computer capability, and is ranked in the Top 100 high-performance computing sites worldwide. The center's mission requires reliable, time-critical secure processing of test information in near real-time with high-performance computing systems connected to test facility networks.

The high-performance computing center supports a wide variety of testing across the center, including support for operational systems and new systems such as the F/A-18 Super Hornet, the F-22 Raptor and the Joint Strike Fighter.

## Environment

AEDC emphasizes environmental stewardship as a part of everyone's day-to-day commitment. Environmental concern is a natural consequence of chemical use in important test operations accomplished at the center. The environmental management division manages conservation, pollution prevention, restoration and compliance.

AEDC uses large amounts of fuels, oils, hydraulic fluids, refrigerants, antifreeze, solvents, acids and other such materials to accomplish its test mission. The center seeks to eliminate or replace hazardous materials with environmentally friendly ones.



# A History of AEDC

## Toward New Horizons

Amidst the ashes of World War II, American scientists surveying German technology were disturbed to find a network of flight simulation test facilities. It was a wake-up call for the future — a realization that the United States was years behind the Germans in the process of developing aerospace technology. Fortunately, the Germans had developed these technologies too late to turn the tide of the war.

It confirmed the suspicions of General of the Air Force Henry H. “Hap” Arnold, commanding general of the Army Air Forces during World War II. Arnold had been preoccupied with the role of technology, research and development in air power even before the war. In 1940, Arnold appointed scientist Dr. Theodore von Karman as his special advisor at Wright Field, Ohio. In November 1944, Arnold asked von Karman to form a scientific advisory group to chart a long-range research and development program for the Air Force.

von Karman sent a task force from his newly formed scientific advisory group to take a closer look at German test facilities.

Dr. Frank Wattendorf was one of the American scientists that made the trek to Germany. He was responsible for surveying German wind tunnels and engine test facilities. Impressed by a need for action, Wattendorf wrote up recommendations on his plane trip home that called for using captured German test facilities to establish a test and evaluation center that would consolidate the

best civilian and military scientists and state-of-the-art test facilities to guarantee a strong national defense.

Wattendorf’s notes became part of von Karman’s 1945 report called “Toward New Horizons.” The document became a blueprint for the Air Force’s future research and development and called for the construction of an air engineering development center that would include facilities for developing supersonic aircraft and missiles.

In 1949, Congress authorized \$100 million for the construction of the Air Engineering Development Center. A site was selected for the new center at the Army’s old Camp Forrest near Tullahoma and Manchester, Tenn. The site was chosen for its abundance of land, water and power. Land was needed to buffer surrounding communities from potential test hazards and noise. Water was needed to cool rapidly flowing air and hot exhaust gases. Abundant electricity was needed to power huge testing systems. Construction on the center started in 1950.

On June 25, 1951, a year after General Arnold’s death, President Harry S Truman dedicated the Air Engineering Development Center in Arnold’s honor, naming it the Arnold Engineering Development Center.



“Never again will the United States ride the coat tails of other countries in the progress and development of the aeronautical art,”

Harry S Truman  
AEDC Dedication  
June 25, 1951





50s

# A History of AEDC

One of the government's early decisions concerning the center was to employ a primarily contractor work force. The Arnold Research Organization known as ARO was formed by Sverdrup and Parcel to become that contractor work force. Part of the rationale was to maintain a stable work force that came to accumulate a volume of experience with the test facilities that were to be built. That idea would make the center a model for outsourcing for the Department of Defense by the 1990s.

The 1950s saw the development of three major test facilities that remain active today — the Engine Test Facility, the von Karman Gas Dynamics Facility and the Propulsion Wind Tunnel Test Facility.

Following Dr. Frank Wattendorf's recommendations six years previous, the first jet engine test equipment installed at the center was acquired from the Bavarian Motor Works in Munich, Germany. It took 58 railroad cars and two barges with another 450 tons by truck to move the equipment. After refurbishment, this equipment became the cornerstone for the Engine Test Facility, which was completed in 1953. By May 1954, the facility was put to work, testing the General Electric J49 engine for the B-47 bomber.

A flight dynamics facility for testing aerospace designs at high speeds was built and dedicated to Dr. Theodore von Karman in 1959. Operations began with a prototype test cell called E-1, which was used to test the Falcon guided missile.

Construction was completed on the Propulsion Wind Tunnel Test Facility at the end of the decade. PWT's huge wind tunnels have become hallmarks of the center and are perhaps the most heavily used facilities on base.

## Milestones

- First engine test
- First test in PWT
- VKF dedicated

## Systems Tested

- B-58 Hustler
- XB-70 Valkarie
- X-15
- T-38 Talon
- GAM-78 Quail
- Atlas ICBM
- Sergeant Missile
- BOMARC
- Snark
- Project Mercury
- Discoverer
- Vanguard



# A History of AEDC

As the space race heated up, so did AEDC's workload.

PWT was used to investigate configurations for the Mercury space capsule, which sent Alan Shepherd and John Glenn into space.

The center was a key player in supporting Project Gemini, and the center played a multi-faceted role in supporting the Apollo Program, which put man on the moon. Apollo tests included aerodynamic assessments of the Apollo capsule and tests of Saturn 5 rocket upper stage engines.

Some new test facilities came on line to help turn numerous aerospace system ideas into reality. The J-4 Large Rocket Engine Test Facility was dedicated in 1964. PWT got an addition in 1968 when the 4-foot Transonic Tunnel came on line, which is used largely to test store separations.

With several test facilities running at full bore, the pace of testing increased exponentially. Among the systems tested during the decade were the F-105 Thunderchief, C-141 Starlifter and C-5 Galaxy cargo planes, the E-3 Sentry, Airborne Warning and Control System (AWACS), the TF39 engine for the C-5 and the upper stage rocket motors for the Minuteman III Intercontinental Ballistic Missile.

In the middle of the decade, the University of Tennessee and AEDC worked together in founding the University of Tennessee Space Institute. The institute became a place for AEDC engineers and scientists to further their education, and for students and professors to work on research projects to help AEDC.



# 60s

## Milestones

J-4 dedicated

UTSI established

## Systems Tested

C-5A Galaxy

C-141 Starlifter

F-105 Thunderchief

F-111 Aardvark

E-3A Sentry

Polaris SLBM

Poseiden SLBM

Short Range Attack Missile

Little John

Minuteman ICBM

Thor-Delta

Saturn 5

Apollo

Dyna Soar

Project Gemini

Viking

Voyager

Scout





# 70s

## A History of AEDC

There came a natural turndown in the furious pace of aerospace after the moon landing and the end of the Vietnam War. But despite the turndown and a corresponding reduction by the government in funding for AEDC and the number of its employees, the pace of testing held steady as nearly 3,000 test projects were completed in the decade.

The list of systems tested during the decade read like a who's who of aerospace. Included on that list were the Space Transportation System, which would later be called the Space Shuttle, the F-15 Eagle, F-16 Fighting Falcon, B-1 Lancer bomber, A-10 Thunderbolt II, Pratt & Whitney F100 engine, MX missile, Sidewinder missile, Navy Tomahawk Cruise Missile, Air Force Air-Launched Cruise Missile and the Global Positioning Satellite.

AEDC developed Laser-Illuminated Photography during the decade to better study projectiles in the center's ballistic ranges that would be traveling up to 20,000 mph. The technique provided a photographic exposure equivalent to 20 billionths of a second.

A heritage for environmental stewardship and uniqueness was born in 1976 when the Department of Interior registered AEDC as a unique natural area. The honor recognized AEDC's superior management of fish and wildlife resources, conservation practices and environmental achievement.

And in a decade when the nation turned energy conscious, AEDC help explore alternative energy sources. A 750-ton magnet was used as part of a magnetohydrodynamics research demonstration at the center, sponsored by the Department of Energy. The demonstration assessed the effectiveness of using a large MHD generator to boost coal's efficiency in producing electricity. AEDC later transferred the project to the University of Tennessee Space Institute.

### Milestones

APTU dedicated

### Systems Tested

A-7 Corsair

F-4 Phantom II

F-15 Eagle

F-16 Fighting Falcon

A-10 Thunderbolt II

Firebee

F/A-18 Hornet

X-24 B/C

B-1 Lancer

Tomahawk Cruise Missile

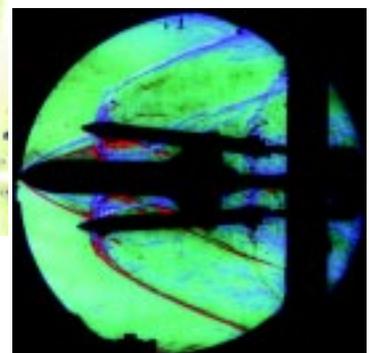
Air-Launched Cruise Missile

Pershing

Space Shuttle

NAVSTAR Global Positioning

Satellite



# A History of AEDC

The conflict in the Persian Gulf at the beginning of the 1990's became a defining event in late 20<sup>th</sup> Century America. It also showed the world what AEDC had been doing in the 1980s.

As people around the world watched from their living rooms, people saw the United States score overwhelming victories in Desert Storm. And they saw the end product of what AEDC people had been working on throughout the decade.

From the Patriot Air Defense Missile to the F-117A Nighthawk stealth fighter, AEDC people worked on every aerospace system deployed to the Persian Gulf. It was the first time technology showed up so dramatically in a real-world conflict, and it was a testament to the test and development work Arnold, von Karman and Wattendorf envisioned would be performed at AEDC.

The decade also marked the addition of the world's largest jet engine testing facility — the Aeropropulsion Systems Test Facility — to the center's collection of aerospace flight simulation test facilities.

And for the first time in the center's history, more than one major contractor performed work on base. The center's workload split into three contracts — support, propulsion testing and aerodynamics testing. In 1981, Pam Am World Services became the support contractor, Sverdrup Technology Inc. took over propulsion testing and Calspan Corp. began aerodynamics testing. In 1985, Schneider Services International replaced Pan Am as support contractor.



## 80s

### Milestones

ASTF completed

J-5 destroyed/rebuilt

### Systems Tested

AV-8 Harrier

F-14 Tomcat

F-117 Nighthawk

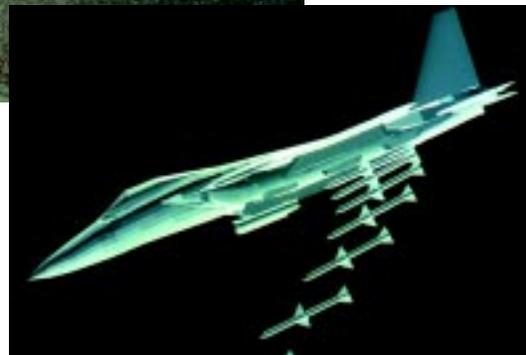
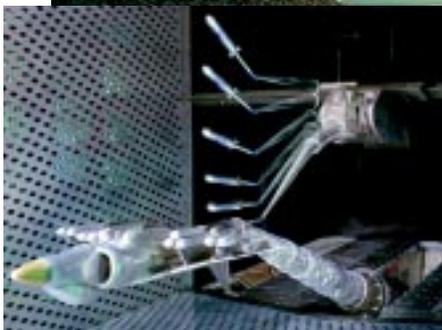
C-17 Globemaster III

V-22 Osprey

X-29

Trident SLBM

Peacekeeper ICBM





90s

# A History of AEDC

The '90s were a decade of change at AEDC. From opening its doors to commercial customers to "reengineering," the center's people explored better ways of doing business.

Early in the decade, the center signed formal, long-term working alliances with a number of commercial aerospace organizations (Boeing, General Electric, Lockheed, McDonnell Douglas, Pratt & Whitney) in hopes of steadying workload and to offset dwindling defense budgets. That led to companies like Pratt & Whitney and Boeing bringing projects that were strictly commercial to AEDC.

AEDC leaders began to emphasize strategic management, meeting in focus groups to consider the long-term health of the center and to formulate ways to make the future brighter. An outgrowth was reengineering the center, an ongoing process that seeks to streamline operations and standardize maintenance processes.

It was also a decade that saw the center break new ground on the computational front. Computational Fluid Dynamics, using computers to simulate flight, saw an ever-increasing role in the scope of many major test programs. Using CFD and traditional ground testing together, helped hold down costs and provide more reliable data to test customers. In 1998, the center was designated as one of the Department of Defense's High-Performance Computing Centers, making funding available to augment the center's supercomputing capability making AEDC the 9th largest computer center in DoD.

The Navy docked at AEDC when its engine test facilities at Trenton, N.J., were transferred to AEDC as part of DoD consolidations under the Base Realignment and Closure Act. The move added four engine test facilities (SL-2, SL-3, T-11, T-12) and about 10 Navy people. The Air Force and Navy quickly integrated, making the center's vice commander and other slots Navy positions. Later in the decade, on Oct. 1, 1997, AEDC assumed management for the former Navy Hypervelocity Wind Tunnel 9 in White Oak, Md.

## Milestones

- Nature Conservancy Award
- Presidents Quality Award
- Commercial alliances
- J-6 on line
- DECADE Test Facility
- Navy Trenton Facilities
- Tunnel 9 at White Oak, MD
- DoD High Performance Computing Center

## Systems Tested

- B-2 Spirit
- F-22 Raptor
- F/A-18 Super Hornet
- Global Hawk
- Dornier Alpha Jet
- Boeing 747
- Boeing 767
- Boeing 777
- P&W 4084 for Boeing 777
- Rolls-Royce Trent 800
- X-33 Venture Star



# A History of AEDC

Other facilities that came on line during the decade included J-6 — the world's largest solid rocket motor test facility — and DECADE, a nuclear weapons effects facility. Among facilities that saw significant modernization were the J-4 Liquid Rocket Engine Test Facility, the Aeropropulsion Test Unit and the Engine Test Facility. PWT also saw a major sustainment and modernization program begin.

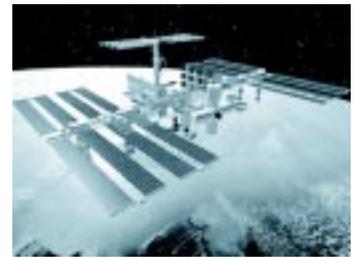
A number of major aerospace programs came to AEDC for testing, including the F-22 Raptor, the Joint Strike Fighter, the F/A-18E/F Super Hornet, the B-2 Spirit stealth bomber, the Pratt & Whitney 4000 series engines for the Boeing 777 and F119 engines for the F-22 and Joint Strike Fighter, the Boeing 747 and 767 and the RL-10 rocket engine.

The center's workload consolidated to two divisions — test and support — in the mid '90s, with Sverdrup as test support contractor and ACS as center support contractor. ACS is a joint venture of Computer Sciences Corp., DynCorp and General Physics.

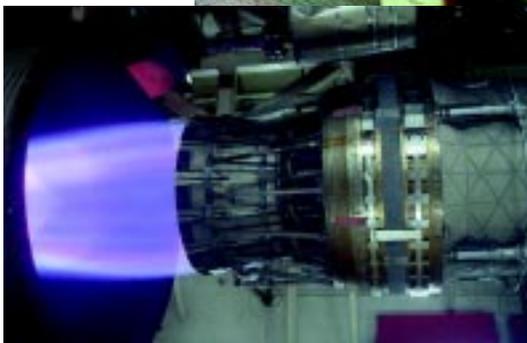
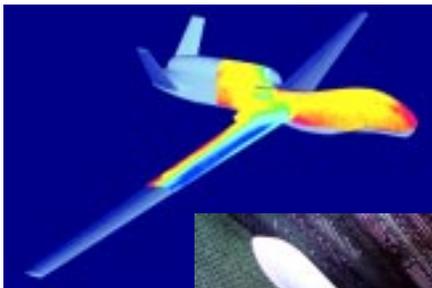
AEDC turns 50 on June 25, 2001. Its vision, testing today the air and spacecraft of tomorrow, was born in the minds of men like Arnold and von Karman and brought to fruition by the men and women of AEDC. The technologies have changed over the last 50 years, but the vision remains the same.

"The scientists who work here will explore what lies on the other side of the speed of sound," said Truman during his dedication address in 1951. "This is part of our effort to make our air power the best in the world — and to keep it the best in the world."

Building AEDC was a commitment to excellence by the United States government to the people of the United States. It's a commitment renewed every time an employee comes through the main gate for another day of work.



## New World Vistas



"The scientists who work here will explore what lies on the other side of the speed of sound. This is part of our effort to make our air power the best in the world—and to keep it the best in the world"

Harry S Truman  
AEDC Dedication  
June 25, 1951

# Particulars



## AEDC Federal Credit Union

The AEDC Federal Credit Union offers full banking services. The main office is in Tullahoma, with branches at Arnold AFB, Building 452, and in Manchester, Winchester, Shelbyville, Murfreesboro and Nashville. The base branch office hours at publication were Monday – Friday (except holidays) 7 a.m. – 3:45 p.m.



Satellite broadcasts as well as live local programming, such as messages from the commander, are broadcast to more than 150 televisions in public areas, breakrooms, etc. Training tapes can be shown as well. A PC version of the CIC is available on computer desktops across the base. A severe weather warning and other emergency messages system upgrade is planned. The CIC is operated by AEDC Public Affairs.

## Internet Home Page

The AEDC World Wide Web home page's Internet address is [www.arnold.af.mil](http://www.arnold.af.mil). All content for the home page is controlled by AEDC Public Affairs.

## Base Newspaper

Published twice a month, *High Mach*, AEDC's employee newspaper, is distributed throughout the base.

One of its features is an Action Line column, a direct line to the AEDC commander for relaying comments of concern to all people at AEDC.

The ACS Public Affairs office, located in the A&E Building in Suite B-212, edits *High Mach*. Total Graphics of Manchester sells advertising.



## Tours

AEDC offers tours to groups of 12 to 35 U. S. citizens during business hours Monday – Friday, except holidays.

A tour consists of a video presentation and a tour of the center's major facilities, and lasts approximately two and a half to three hours.

AEDC is a security controlled area with limited access, therefore tours are scheduled by reservation and may be subject to cancellation. Contact the AEDC tour coordinator.

## Center Information Channel

The Center Information Channel is an in-house cable television channel providing the latest weather, news and other AEDC information for employees.



## Dining Facilities

Two AEDC cafeterias are operated by Canteen Corp. Full-service dining facilities are located in the A&E building and in Building 452 adjacent to the main auditorium. A food stand, located in building 644 on 3<sup>rd</sup> Street, provides sandwiches, snacks and beverages as well as entrees and vegetables.

The A&E cafeteria is open for breakfast from 6 – 7:30 a.m. and 8:30 – 9:30 a.m. Lunch hours are 11 a.m. – 12:30

p.m. The main cafeteria is open for lunch from 11 a.m. – 12:30 p.m. The food stand is open daily from 6:30 a.m. – 6 p.m. Entrees and vegetables are available after 10:30 a.m.



The Arnold Room, available by reser-

vation only, accommodates up to 43 people for continental breakfasts and lunch Monday – Friday on the first floor of the A&E Building. Call Canteen Corp. to reserve the room for special functions.

Lunch carry out is available in the main cafeteria. To place an order, call ext. 5732 between 10 and 10:30 a.m. Orders are available for pickup after 10:30.

Menus are available daily on the Center Information Channel, and the daily staff bulletin posted on the Intranet home page and e-mail system. *High Mach*, the base newspaper, publishes weekly menus.

Services Club Arnold also operates the Arnold Lakeside Club and Mulligan's Grill at the base golf course.

## Health and Wellness Center/ Occupational Health

The center support contractor conducts a comprehensive occupational health services program for all AEDC contractor employees and specified sub-



contractor employees. The occupational health staff includes a physician, registered nurse, a medical technologist and administrative personnel.

The occupational health staff shares the dispensary facility with the Department of Veterans Affairs Clinic and the Air Force Medical Aid Station.

Occupational health also provides a wellness program for all AEDC personnel. The Health and Wellness Center's services include health risk assessments, fitness testing, nutritional coun-

seling, personal training, massage therapy and a variety of other health promotion activities. The staff includes a wellness coordinator and an exercise specialist. Anyone interested in a health screening should call the AEDC Medical Aid Station. The HAWC is located in the A&E Building, Suite C-216.

## Post Office

A U.S. Post Office is located at 100 Kindel Drive, Suite A-110, in the A&E Building. The zip code for Arnold AFB is 37389.

The main duty of the post office is the Base Information Transfer System. Their primary function is to transfer administrative communications between base action offices.

On most DoD installations, the BITS and the U.S. Postal Services are housed under separate roofs. At Arnold AFB, the post office is contractor operated and performs both the BITS and postal services functions. The post office provides most services except money orders and CODs.

## Driver's License Center

The Tennessee Driver's License Examining Center is located on Highway 55 between Manchester and Tullahoma. The center is open Tuesday – Friday. For more information about hours of operation and driver testing call the center.

Active-duty military personnel need not obtain a Tennessee driver's license if they have a valid license from another state. However, dependents have 30 days to obtain a Tennessee license. New DoD civilian and contractor personnel moving to Tennessee need to obtain a Tennessee driver's license within 30 days.

## License Plates

Vehicle license plates are sold by county clerk offices.

## Vehicle Registration

Privately owned vehicles operated inside the fenced mission area must be registered at Pass and Registration, located immediately outside the main gate. Military personnel, permanent party DoD civilians and contractor employees are issued DoD decals and Arnold AFB

## For Your Information

Action Line	454-6000
AEDC Federal Credit Union	454-7277
High Mach Newspaper	454-5617
High Mach Newspaper Ads	728-3273
Web Master	454-5655
Center Information Channel	455-7723
Tours	(931) 454-3396
Dining Facilities	
Canteen (cafeterias and Arnold Room)	454-3848
Carry Out	454-5732
Golf Course (Mulligan's Grill)	455-5870
AEDC Medical Aid Station	454-5385
Health & Wellness Center	454-6035/6584
AEDC Post Office	454-5577
Pass & Registration	454-5453
Law Enforcement	454-7702/5662
Fire Department	
Non Emergency	454-5648
Operations Center	
Air Force	454-7752
Base Support	454-7688
Tennessee Driver's License Examining Center	(931) 723-5066
County Court Clerk Offices	
Coffee County	(931) 723-5106
Franklin County	(931) 967-2541
Warren County	(931) 473-2623
Bedford County	(931) 684-1921
Moore County	(931) 759-7028



identification tabs.

Others receive temporary vehicle passes that must be displayed in the vehicle windshield while inside the fenced mission area.

## Motorcycles

A safety course is required to register or operate a motorcycle on base.

## Law Enforcement/Security

AEDC Security Police have the authority, jurisdiction and responsibility to provide law enforcement and security for all of Arnold AFB. Officers issue traffic citations, respond to emergencies, investigate criminal activity, complaints and incidents and make arrests when required. AEDC police officers are deputized in both Coffee and Franklin counties.

## Fire Department

The AEDC Fire Department goes beyond the state requirement by staffing its facility with Advanced Life Support (paramedic) Service. The department employs 51 trained emergency professionals. All firefighters — if not paramedics, Emergency Medical Technicians or EMT IVs — have at least minimum training as First Responders.

At the date of publication, the fire department had six paramedics and one EMT assigned to the base ambulance service. In addition, 13 firefighters were certified as EMTs. Of those 13, seven have achieved EMT IV status, which is Tennessee's intermediate level.

On weekdays after 3:30 p.m. and all day on weekends and holidays, the fire department acts as the dispensary.

All personnel at the fire department are certified DoD firefighters.

Also, they work with the underwater dive team and hazardous materials group.

The fire department pro-

vides lifeguards trained in CPR and first aid for the beach area Memorial Day through Labor Day.

Although small on the surface, AEDC has two mutual aid agreements: one with Coffee County and one with Franklin County. If needed, a minimum of 20 ambulances could be on the scene within 45 minutes. Medevac helicopters are available from Vanderbilt Hospital in Nashville, and Erlanger Medical Center in Chattanooga, as well as from hospitals in Huntsville, Ala. and Fort Campbell, Ky.

## Local Housing

New and existing houses to buy or rent, apartments and condominiums are the variety of offerings for contractor and some military personnel that relocate to Arnold AFB.

For those needing off-base housing, costs vary but are similar to other non-metropolitan areas of the country. Manchester, Tullahoma and Winchester have many nice residential neighborhoods. Prices vary because of location, type, age and size. New and existing home prices generally range from \$49,000-\$159,000 or more. For instance in Tullahoma in 1999, a new 2,063 square foot house cost almost \$104,000.

Apartment complex prices can range from \$325-\$650 monthly for 1-3 bedrooms. Executive-style apartments can run slightly higher. Buying a condo can run from \$150,000-\$170,000, but are hard to obtain.

Some area motels offer monthly rates for AEDC employees.

Electric bills average about \$100 per month year-round. City water, sewer, garbage and recycling utility rates average \$25-\$50 per month. Basic telephone service averages about \$30, with phone features and long-distance charges extra. Homes using natural gas have monthly bills averaging \$20-\$50 in the summer and up to \$150 or more in winter.

Excellent schools, restaurants, shopping, area attractions and entertainment are located in the communities and counties surrounding Arnold AFB.



# Military Matters

From military family housing and household goods shipment to legal services, there is a wide range of services for military personnel at Arnold.

Not your typical Air Force base because of the unique aerospace testing and work performed here, many military people often wish they could stay when given new assignments and many return to retire in Coffee or Franklin counties.

## Reporting In

Newly assigned military personnel should report in uniform. In-processing begins in military personnel in Suite C-314 in the A&E (headquarters) Building. Office hours are 7:30 a. m. – 4 p. m. Monday – Friday, except holidays.

## Housing

Military personnel at Arnold gain the best of both worlds when it comes to affordable housing.

### On base

At Arnold, there are 39 on-base housing units for military personnel. The townhouses are mostly three bedrooms, two bathrooms and all electric with modern conveniences like washer-and-dryer hookups and self-cleaning ovens. All units are well maintained. In 1999, 28 units underwent renovations. Their lakeside location adjacent to Woods Reservoir adds a special scenic appeal for residents.

For information on availability of family housing or registering in advance, contact the military housing referral office

### Off base

All military personnel must check in with the military housing office before making off-base housing arrangements. See Page 14 for more information.

For more information about housing, contact the Air Force:

Housing Referral Office  
AEDC/SDF  
100 Kindel Dr., Suite B-312  
Arnold AFB, TN 37389-2312

For local and regional information, see the chamber of commerce listings in the Region section (Page 21).

## Household Goods

For military, civil service and contractor personnel, the Arnold Household Goods and Personal Property section is located in Building 1476 (supply warehouse). After arriving here, call them to check on the status of your shipment.

All military household goods are managed through the transportation management office at Fort Campbell, Ky. Once you notify the personal property section that you need delivery of your property, it should arrive in 3-5 days.

## Medical

Care for military family members of active-duty personnel is provided to the extent facilities and staff capabilities allow.

Family members of assigned active-duty personnel requiring medical treatment past on-base capability are referred to a civilian provider, using TRICARE or the nearest medical facility.

Fox Army Hospital in Huntsville, Ala., is about 65 miles from Arnold. Blanchford Army Community Hospital at Fort Campbell, Ky., is about 110-115 miles northwest of the base.

No full-time military physician is assigned here. However, through a Department of Veterans Affairs sharing agreement, a doctor is available for 1 1/2 hours each morning Monday – Friday.

There is no sick call for military personnel. However, active-duty people can contact the Air Force Medical Aid Station any time during normal duty hours for appointments with the independent duty medical technician.

Active-duty military personnel must be seen by the IDMT before making doctor's appointments. For military and their families, appointments are scheduled Monday – Friday from 7-11 a.m. and 1-3 p.m.

## For Your Information

HQ Squadron Section Orderly Room	(931)454-7821
Military Personnel Office	(931)454-4308
Housing Referral Office	(931)454-7687 DSN 340-7687
Household Goods/Personal Property	(931)454-7804 DSN 340-7804
Medical	
Doctor/Dental Appointments	(931)454-5351
TRICARE Advisor	(931)454-3994
Pharmacy (Wed., Fri.)	(931)454-5351
Commissary	(931)454-5921/7249 DSN 340-5921/7249
Base Exchange	(931)454-5014/5016 DSN 340-7153
Staff Judge Advocate Office	454-7814



## TRICARE

A health benefits advisor for TRICARE is available for active-duty dependents and retired uniformed services personnel and their dependents. Outpatient pharmacy services are available to all eligible military beneficiaries each Wednesday from 7:45-11:30 a.m. and 12:15-3 p.m. and Fridays from 8 a.m.-noon.

## Dental services

A reserve dental officer handles routine dental work. Emergency dental care is scheduled at the nearest military or civilian location as required by the medical aid station.

Family members of active-duty military are not eligible for dental care at the medical aid station. Some local dentists accept payments from military health programs.



## Personnel Office

The military personnel office provides a wide range of services including:

- ID cards for all Air Force active duty, dependents and retirees and their dependents in the local area.
- Casualty reporting and assistance to next of kin in applying for survivor benefits for Air Force active duty and retirees.

## Legal services

The office of the staff judge advocate advises the commander and other base personnel on military justice and civil law issues. They also process claims filed against the government, including those for damage during shipment of military members' household goods as well as prosecute claims on behalf of the government. The legal office also provides legal assistance to eligible active duty and retired military personnel as well as their dependents.

The legal office is located in Suite B-327 in the A&E Building. It is open from 7:30 a.m.-4 p.m. weekdays. Legal assistance is provided by appointment

on Tuesdays from 1-3:30 p.m. and Fridays from 7:45-10:15 a.m.

## Tax free purchase of automobiles

The Tennessee legislature passed a law exempting military personnel stationed at Arnold AFB from the state tax on the purchase of a private automobile.

For additional information contact the AEDC Legal Office.

## Commissary/BX

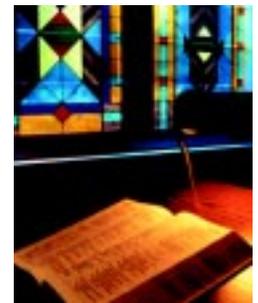
Arnold offers a modern commissary and base exchange, with many varieties of items for active duty, guard, reserve and retired members of the uniformed services. The commissary and exchange are open Tuesday – Saturday. Hours of operation are 9:30 a.m.-5:30 p.m. on Tuesday, Wednesday and Friday; 9:30 a.m.-6 p.m. on Thursday; and 8 a.m.-3 p.m. on Saturday.

## Dining

Food is available Monday – Friday at the A&E Building cafeteria, main cafeteria next to the credit union, a snack trailer and the all ranks Arnold Lakeside Club. People staying at the Wingo Inn are authorized to use the Lakeside Club.

## Chaplain

AEDC has no assigned active duty chaplain. Two reserve chaplains serve AEDC. A small chapel is located in the headquarters building.



## Other services

Since Arnold has such a small military population, some services normally found on larger military installations for active duty and retired military personnel and their families are not found here.

The nearest facility with major services is Redstone Arsenal in Huntsville, Ala., 65 miles southwest of the center. Fort Campbell (Ky.), near Clarksville, Tenn. is about 110-115 miles from AEDC via I-24 west.

## Club Arnold

Club Arnold's mission is to develop and maintain recreational and social programs that enhance force readiness. Activities are designed to stimulate the mental, social and physical well-being of Air Force members and their families, retired military personnel and their eligible dependents, National Guard and Reserve military, civil service employees within 50 miles of AEDC, all AEDC contractor personnel and others as approved by the commander.

AEDC's natural wooded beauty sets the scene for many enjoyable outdoor recreational activities for families and individuals. The 4,000-acre Woods Reservoir, with its 75 miles of shoreline, is the main attraction.

## Arnold Lakeside Club

The Arnold Lakeside Club is a consolidated membership facility that offers fine dining overlooking the base's beautiful lake.



The club offers a wide array of dining specialties from the famous club sandwich to the ever-popular prime rib. The club also offers many carry out items on its menu.

Lunch is served Tuesday – Friday from 11 a.m.-12:30 p.m. and dinner is served Tuesday – Thursday, 5:30-8 p.m.; Friday, 5:30-9 p.m.; and Saturday, 6-9 p.m.

The Landing, a fully equipped lounge, offers darts, a pool table, large screen television and jukebox.

The club is closed on Sundays and Mondays, except for special occasions such as Mother's Day. Reservations are accepted for dinner. Catering services are available to members for events such as wedding receptions, reunions or business meetings. Casual dress is permit-

ted throughout the club at all times, unless otherwise advertised.

## Wingo Inn (lodging)

The Wingo Inn, Air Force Innkeeper Award winner, offers 40 rooms of some of the best accommodations in the Air Force. This one-of-a-kind lodge, located on the shores of Woods Reservoir, offers quarters for all ranks.

The front desk is open Monday – Friday from 6 a.m.-10 p.m.; Saturday from 10 a.m.-8 p.m. and Sunday from noon-10 p.m. Guests with reservations arriving after these hours should contact security police at ext. 5662 to get their room key.

## Community Center

The Community Center is the hub for recreation, youth and family programs. It includes an auto shop, games, video rental, informal library and learning center complete with computers. The center also features ticket/tour information and sales. It serves as the check-in point for the marina and FamCamp and equipment rentals.

- **Auto Shop** – The auto shop is a do-it-yourself garage to make repairs and improvements to your automobile. There are two stalls, one with a lift. The auto shop has an air hose, floor jack, oil recycling, tire tools and other tools that are available for checkout. A small fee is charged for use of the facility.

- **Equipment Rental** – Located at the Community Center. Available items include tents, sleeping bags, camp stoves, ice chests and other recreational items.

- **Youth Programs** – Youth programs are arranged through the Community Center. Special events include one-day trips, swimming, bowling, instructional classes, holiday events and a summer day camp.

## Marina

The marina offers rental of boats, slip-page and dry storage. Boats available include bass buggy, party barge, ski deck,

# Services



## For Your Information

Arnold Lakeside Club	
Reservations	454-3090
Catering	454-3092
Wingo Inn	454-3099
Community Center	454-6084
Equip Rental	454-6084
Auto Shop	454-6084
Hunting/Fishing License Information	454-3099
Marina	454-3838
FamCamp	454-4520
Sports/Fitness Center	454-6440
Arnold Golf Course	(931) 455-5870 (931) 393-4670
Barber Shop	454-6987 (MWF) 454-7424 (TThur)





fishing and canoes. Accessories available, free of charge, include life vests, skis, innertubes and kneeboards.

A two-year boating certification from Services is required to rent boats. Call for class schedule.

### FamCamp

Located on the banks of Woods Reservoir, FamCamp offers 26 campsites (tent and camper) with water, electricity and laundry facilities. Boat docks, a boat ramp, beach areas, sand volleyball court and a covered pavilion are available. Advance reservations can be made by telephone.



### Beaches and Recreation Area

Two beaches are available for swimming at the 4,000-acre Woods Reservoir.

The beaches are located at the Arnold

Lakeside Club and main recreation area near the Gossick Leadership Center, and are open from Memorial Day to Labor Day.

### Hunting and Fishing

The Wingo Inn front desk has hunting and fishing licenses for sale. Available licenses are:

- Resident combination hunting/fishing
- Resident 1-day fishing
- Resident junior hunting/fishing
- Nonresident 3-day fishing
- Nonresident junior hunting/fishing

### Sports and Fitness Center

The Arnold Sports and Fitness Center is equipped with a basketball/volleyball court, state-of-the-art exercise machines and showers and lockers. Intramural team sports offered include: softball, basketball, volleyball, bowling, tennis and darts. Aerobics classes are offered and a 1.8-mile ParCourse, walking/jogging path, is adjacent to the center. Contact the fitness center concerning use eligibility.

### Arnold Golf Course

The Arnold Golf Course is located about seven miles from the industrial area near Tullahoma. It offers a nine-hole course with two practice greens, a driving range and men's and women's locker rooms. The course also features Mulligan's Grill and a pro shop.

The course is open year-round and is host to various tournaments throughout the year. Instructional classes also are available. Membership or daily green fees are required.



### Barber Shop

Services also operates a barber shop, located in the A&E Building, open Monday, Wednesday and Friday. Reservations may be made at ext. 6987 (Monday, Wednesday and Friday), or ext. 7424 (Tuesday and Thursday).

### Clubs and Organizations

Several private organizations, recognized by Services, are available for AEDC personnel to join. They include

- Highland Rim Shooters Club
- Saddle Club
- Tullahoma Scuba Divers Club
- Coffee County Airfoilers
- Highland Yacht Club
- AEDC Women's Club
- Military Wives Club
- AEDC Singles Club
- Woods Reservoir Campers Club
- The AEDC Heritage Foundation, Inc.



# Conference Facilities

## Gossick Leadership Center

The Gossick Leadership Center is a professional conference facility located at 2912 Northshore Road near Woods Reservoir.

The GLC is a high-performance work environment created to provide problem resolution and planning facilitation by an experienced staff called “knowledge workers.” This five-member team was one of the first self-directed groups con-

Team members frequently apply other tools such as the *Myer-Briggs Type Indicator®*, *Covey’s Seven Habits of Highly Effective People®*, *SimuReal®*, *Zenger Miller®* and various continuous improvement processes to meet their customers’ needs.

The GLC can host up to 80 people in a typical Design Shop three-day program. All meals can be provided. For more information or to schedule an event, contact a GLC knowledge worker.

## Lakeside Club

The Arnold Lakeside Club can orchestrate every facet of a week-long conference, full-day seminar or luncheon meeting. The main ballroom can seat approximately 300. The Four Seasons room accom-

modates 40 comfortably. Both rooms overlook the base’s Woods Reservoir Lake. The facility can be equipped with audio and video capabilities.

## Wingo Inn

Just across the parking lot from the Arnold Lakeside Club, the Wingo Inn Air Force Lodging facility is an ideal setting for the small to medium size group seeking peace and quiet. A 25-person conference room is on the second floor of this facility. The room comes complete with computer overhead projection system, laptop or traditional overhead projector and wipe-off eraser board. Arrangements for continental breakfasts and box lunches make your working conference easy and worry free. Walk down the road for a boat on the lake, or enjoy the 1.5-mile walking trail along the lake.

## AEDC

### Videoconferencing

Located in Suites B-201 and A-219 of the A&E Building, AEDC Videoconferencing is available for government and customer use Monday – Friday from 7:30 a.m.-6 p.m.

## For Your Information

Gossick Leadership Center (931) 454-3019  
DSN 340-3019  
Wingo Inn (931) 454-3099/3098  
Arnold Lakeside Club (931) 454-3090  
Videoconferencing (931) 454-7500/5271



solidating AEDC contractor teams. Other AEDC employees also serve as “knowledge workers” to help tailor services to meet participant needs, conduct leadership sessions, strategic planning conferences, alliance and partnership development workshops and facilitate group meetings and problem solving sessions.

The GLC became operational in December 1992 and was dedicated the following spring to former AEDC Commander and AEDC Fellow retired Maj. Gen. Lee V. Gossick. The center may be used for government and other organizations for a fee.

The GLC’s mission is “to provide the information, knowledge, setting and tools for our customers to enable them to make effective decisions within the demands of a highly dynamic environment.”

Utilizing a broad variety of models and problem-solving methods, the knowledge workers lead participants through exploration, co-design and decision-making processes. This provides an opportunity for the participants to share different views and vantage points that can be considered and integrated into the group’s final plan or product.



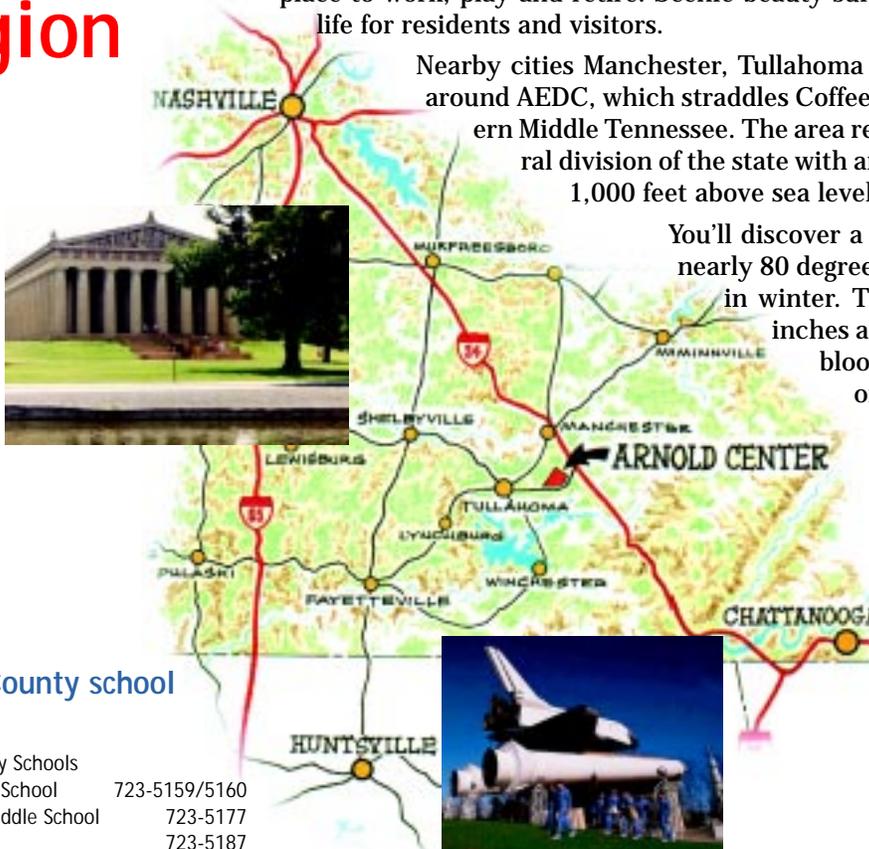
# The Region

## Location

Nestled halfway between Nashville and Chattanooga, Arnold AFB is the perfect place to work, play and retire. Scenic beauty surrounds a tremendous quality of life for residents and visitors.

Nearby cities Manchester, Tullahoma and Winchester form a triangle around AEDC, which straddles Coffee and Franklin counties in southern Middle Tennessee. The area rests on the Highland Rim, a natural division of the state with an average elevation of more than 1,000 feet above sea level.

You'll discover a moderate climate that averages nearly 80 degrees in the summer and 40 degrees in winter. There's an average rainfall of 54 inches and snowfall of 5.7 inches. Spring blooms and fall flourishes with a colorful display.



## Coffee County school system

Coffee County Schools	
Central High School	723-5159/5160
Coffee Co. Middle School	723-5177
New Union	723-5187
North Coffee	723-5183
East Coffee	728-5740
Hickerson Elementary	455-9576
Jones Elementary	455-4979
Hillsboro	596-2775/2554
Westwood Elementary	728-4080
Westwood Junior High	728-2071

## Manchester school system

Manchester City Schools	728-2316
College Street Elementary	728-2805
Westwood Elementary	728-3412
Westwood Junior High	728-2071
Temple Baptist (private)	728-4911

## Tullahoma school system

Tullahoma City Schools	454-2600
Tullahoma High	454-2620
East Middle	454-2632
West Middle	454-2605
Bel-Aire Elementary	454-2610
East Lincoln Elementary	454-2612
Farrer Elementary	454-2608
Lee Elementary	454-2637
St. Paul (private, K-8)	455-4221
Seventh-Day Adventist (private)	455-1924
Jones Elementary	455-4979

## Coffee County

Population: 42,000

## Manchester

Located on I-24, Manchester is the county seat for Coffee County, with a historic courthouse at the hub of the square area in the downtown business district. Agriculture, business, small industry and professional form a mix of the economy. Old Stone Fort State Park is a popular day attraction.

Population: 8,413

Manchester Chamber of Commerce

110 E. Main St.

Manchester, TN 37355

(931) 728-7635

E-mail: [macoc@ficom.net](mailto:macoc@ficom.net)

Web site: [www.manchester-tn.com](http://www.manchester-tn.com)

## Tullahoma

The largest city closest to AEDC, it is home to George A. Dickel Distilling near Normandy,

Micro Craft Corp., the Tullahoma Fine Arts Center, the Hands-On-Science-Center and a variety of industry including sporting goods (Wilson and Worth).

Population: 18,835

Tullahoma Chamber of Commerce

135 W. Lincoln

Tullahoma, TN 37388

(931) 455-5497

E-mail: [tullecd@edge.net](mailto:tullecd@edge.net)

Web site: [www.tullahoma.org](http://www.tullahoma.org)



## Winchester/Franklin County

Winchester (pop. 6,515), Franklin County seat, serves as the hub for a number of smaller towns, including Estill Springs (pop. 1,408), Decherd (pop. 2,196), Cowan (pop. 1,738) and Huntland (pop. 885). Residents enjoy popular Tims Ford Lake State Park for recreation. Agriculture, small business and industry head the economy. Mountains, lakes, rolling farmland and beautiful homes form the landscape.



Population: 36,850 (county)

Franklin County Chamber of Commerce  
Decherd Boulevard  
Winchester, TN 37398  
(931) 967-6788  
E-mail: [fccc@fccc-tn.org](mailto:fccc@fccc-tn.org)  
Web site: [www.fccc.tn.org](http://www.fccc.tn.org)

## Lynchburg/Moore County

You can't mention Lynchburg without Jack Daniel's Distillery and Miss Mary Bobo's Boarding House restaurant. The county's full of rolling hills, caves, springs and hardwood timber. Lynchburg is a step back in time, with a peaceful, relaxing atmosphere and numerous gift shops.

Population: 4,721

Lynchburg/Moore County Chamber of Commerce  
P.O. Box 421  
Lynchburg, TN 37352  
(931) 759-4111



## Shelbyville/Bedford County

Tennessee Walking Horses, pencils and terrific high school girls basketball are fixtures here. The Tennessee Walking Horse National Celebration annual 10-day world championship horse show is held in late August/early September.

Bell Buckle (pop. 326), is an arts and crafts, antiques, old-time music and educational town. Wartrace, a sleepy hamlet featuring the seven-room Walking Horse Hotel (circa 1917) and Strolling Jim Restaurant, has its own unique appeal.

Population: 32,484 (county); 15,680 (Shelbyville)

Shelbyville-Bedford County Chamber of Commerce  
100 North Cannon Blvd.  
Shelbyville, TN 37160  
(931) 684-3482  
1-888-662-2525  
E-mail: [bedfordchamber@cafes.net](mailto:bedfordchamber@cafes.net)  
Web site: [www.shelbyvilletn.com](http://www.shelbyvilletn.com)



## Winchester/Franklin County school system

Franklin County Schools	967-0626
Franklin County High	967-2821
H. Lewis Scott Junior High	967-5323
Clark Memorial	967-2407
J. D. Jackson Junior High	967-7355
Broadview	967-0132
Cowan	967-7353
Decherd	967-5483
Huntland	(931) 469-7506
North Lake Elementary	455-6239
Rock Creek	649-5435
Sewanee	(931) 598-5951
St. Andrew's-Sewanee (private)	(931) 598-5651

## Moore County school system

Moore County High School	(931) 759-4231
Elementary school	(931) 759-7388

## Shelbyville/Bedford County school system

Bedford County Schools	684-3284
Webb School (private)	(931) 389-6657

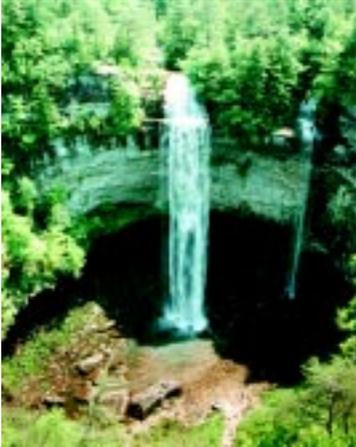


## Fayetteville/Lincoln County

Named for Revolutionary War hero Gen. Benjamin Lincoln, the county features Fayetteville, established in 1812, and a well-rounded labor force for high technology, service and agricultural employment.

Population: 6,921

Fayetteville-Lincoln County Chamber of Commerce  
208 South Elk Ave.  
P.O. Box 515  
Fayetteville, TN 37334  
(931) 433-1234/1235  
E-mail: [cof@vallnet.com](mailto:cof@vallnet.com)  
Web site: [www.fayettevilletn/chamberofcommerce.com](http://www.fayettevilletn/chamberofcommerce.com)



### Fayetteville/Lincoln County school system

Lincoln County Schools (931) 433-3565

### McMinnville/Warren County school system

Warren County Schools (931) 473-2331

### Murfreesboro, Smyrna, La Vergne/Rutherford school system

Murfreesboro City Schools (615) 893-2313

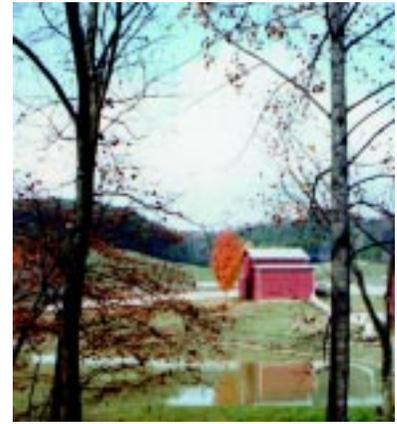
Rutherford County Schools (615) 893-581

## McMinnville/Warren County

Known as the nursery capital of the world because the county produces 56 percent of Tennessee's multi-billion dollar a year crop, with some 500 nurseries employing more than 3,500 people. Fertile valleys, pristine lakes and mountain peaks make it a great place to live.

Population: 37,628 (county); 12,800 (city)

McMinnville-Warren County Chamber of Commerce, Inc.  
110 South Court Sq.  
P.O. Box 574  
McMinnville, TN 37111  
(931) 473-6611  
E-mail: [warrencotn@blomand.net](mailto:warrencotn@blomand.net)



Web site: [www.warrentn.com](http://www.warrentn.com)

## Murfreesboro, Smyrna, La Vergne/Rutherford County

History's in abundance in Tennessee's fastest-growing county: There's the Stones River National Battlefield, Oaklands Mansion, the Sam Davis home, the courthouse square, Cannonsburgh Pioneer Village and homes on East Main Street. Education, industry and commerce thrive around Middle Tennessee State University, Nissan Motor Manufacturing Corp., USA and a variety of large and small businesses and industry. Smyrna airport hosts an annual air show.



Population: 159,549 (county); 59,506 (Murfreesboro)

Other key towns include:

Smyrna	(pop. 24,077)
La Vergne	(pop. 16,001)
Eagleville	(pop. 501)

Rutherford County Chamber of Commerce

501 Memorial Blvd.  
Murfreesboro, TN 37129  
(615) 893-6565

Web site: [www.rutherfordcounty.org](http://www.rutherfordcounty.org)



# Education Opportunities

## Continuing Education

AEDC encourages the educational enrichment of its people. Many opportunities are offered at local institutions of higher learning. Military personnel and Department of Defense civilians are encouraged to contact the AEDC Education Office for more information on tuition assistance and on-base and area classes.

Contractors are offered many opportunities also. The ACS employee development and Sverdrup training, education and development offices have information concerning continuing education classes.

Many local institutions offer two, four and post-graduate degrees, as well as professional certification, accreditation, on-site and off-site short courses, lectures, seminars and on-the-job training.

Three institutions, The University of Tennessee Space Institute, Middle Tennessee State University and Motlow State Community College have alliances with AEDC.

## UTSI

The University of Tennessee Space Institute was formed in 1961 as a cooperative effort between AEDC and the University of Tennessee.

The academic program and educational policies support graduate studies and research leading to the degrees of master of science and doctor of philosophy in selected areas of engineering, computational mechanics, laser applications, aviation systems, mathematics and physical science.

The close proximity of UTSI to AEDC provides a unique opportunity and a stimulating environment for graduate study and research.

The campus is located adjacent to Arnold AFB on Woods Reservoir.

Web site: [www.utsi.edu](http://www.utsi.edu).



## Middle Tennessee State University

Middle Tennessee State University has five colleges and 35 academic departments offering baccalaureate degrees in the liberal and fine arts, the sciences, education, business, communication and other areas. The College of Graduate Studies offers masters, specialist and doctoral level degrees.

Located 40 miles from Arnold AFB, MTSU is a member of the State University and Community College System of Tennessee. It is governed by the Tennessee Board of Regents.

Some undergraduate evening classes are held at AEDC and in Tullahoma.

Web site: [www.mtsu.edu](http://www.mtsu.edu).

## Motlow State Community College

Motlow's main campus is located on 187 wooded acres approximately five miles from Tullahoma. The college serves an 11-county area of southern Middle Tennessee. As a multi-site community college, Motlow has alliances with business, industry, government agencies and fellow educational institutions offering full-service campuses in Fayetteville and McMinnville with expansion of facilities in Murfreesboro and Cannon County.

Affiliated with the State University and Community College System in Tennessee and governed by the Tennessee Board of Regents, Motlow is a public, comprehensive, two-year, open-access institution. Established in 1969, Motlow is accredited by the commission on Colleges of the Southern Association of Colleges and Schools. Degrees offered are associate of arts, associate of science and associate of applied science degrees and certificates of credit.

Also offered are degree programs for students who plan to transfer to upper-division colleges and universities, as well as, programs in business, industry, government and health care and continuing education programs.

Web site: [www.mscc.cc.tn.us](http://www.mscc.cc.tn.us).



## For your information

AEDC (government) education office	454-5429
ACS employee development	454-6260
Sverdrup training	454-7170
UTSI	(931) 393-7100
MTSU	(615) 898-2300
Motlow	(931) 393-1500
Tennessee Technology Center	
Shelbyville	(931) 685-5013
Murfreesboro	(615) 898-8010
St. Andrew's-Sewanee School	(931) 598-5651
The Webb School	(931) 389-6657



## Tennessee Technology Center Shelbyville

The Tennessee Technology Center in Shelbyville is a post secondary training facility with 61,247 square feet of newly renovated space.



It's curriculum is broken into three areas, preparatory, supplementary and special industry programming. The center prepares students for careers in 11 different areas including electronics, machine shop, refrigeration, drafting, nursing and others. The supplementary education program is designed to help technical employees upgrade their skills. The special industry training program is a service to employers who have specific job upgrade training needs for their employees. This training is performed on-site or at the school.

The student population averages 550. High tech machines and computers, new parking and improved campus lighting are all a part of the newly renovated school.

Web site: [www.shelbyville.tec.tn.us/facts.htm](http://www.shelbyville.tec.tn.us/facts.htm).

## Murfreesboro

The center offers a variety for students from Rutherford and surrounding counties. Instructors are all professionals in the fields they teach, with several recognized statewide and nationally. State-of-the-art technology is a part of the instruction. The center operates year-round, with classes from 7:45 a.m.-2:40 p.m., Monday-Friday, and evening classes in a variety of fields and industry training as requested.

Web site: [www.murfreesboro.tec.tn.us/facts.htm](http://www.murfreesboro.tec.tn.us/facts.htm).

## The University of the South

The University of the South at Sewanee, is located five miles from I-24 between Nashville and Chattanooga. Located atop Tennessee's Cumberland Plateau on 10,000 acres, Sewanee offers a traditional liberal arts and sciences curriculum in a residential setting.

The Episcopal Church owns the University of the South an independent, co-educational institution founded in 1857. Enrollment is 1,300 with students from 46 states and 20 foreign countries. About 80 percent of the student body are from out-of-state. Ninety-eight percent of the permanent 105 faculty members hold a Ph.D. or equivalent. None of Sewanee's classes are taught by graduate assistants. The student/faculty ratio is 10 to one.

Web site: <http://www.sewanee.edu>.

## Private Boarding High Schools

### St. Andrew's-Sewanee School

Located on a scenic, secluded mountaintop setting, the 450-acre St. Andrews-Sewanee campus adjoins the University of the South. The coed college preparatory boarding school (grades 7-12) has a rich 130-year history.

Ninety-nine percent of the graduates enroll in colleges and universities. The student/faculty ratio is 7:1, with an average class size of 14. Student activities include an Honor Council, Proctors and Student Advisory Committee that gives students responsibilities in the daily life of the school.

Web site: [www.standrews.sewanee.edu](http://www.standrews.sewanee.edu).

### The Webb School

Founded in 1870, the Webb School enjoys a long history as an independent, college preparatory, coed boarding and day school in historic Bell Buckle. The 150-acre campus, located one hour southeast of Nashville, has 265 students in grades 7-12. Boarding students comprise 37 percent of the population. Every graduate is accepted by colleges and universities.

A structured liberal arts curriculum, individual attention and a nearly 130-year emphasis on honor are essential to Webb's success. The traditions and philosophies of its founder, James R. "Old Sawney" Webb, are still prevalent. The school has 32 teaching faculty members, 63 percent of whom hold advanced degrees. The student/faculty ratio is 8:1, with class sizes averaging 13.

Web site: <http://thewebbschool.com>.

