

Aviation Division Quarterly Newsletter

June-July 2001

GOVERNOR APPOINTS NEW MEMBER TO THE TEXAS TRANSPORTATION COMMISSION

AUSTIN-- In March 2001, Richard F. ("Ric") Williamson became Governor Rick Perry's first appointee to the Texas Transportation Commission. Williamson joins John W. Johnson of Houston and Robert Nichols of Jacksonville on the three-member commission overseeing statewide transportation programs of the Texas Department of Transportation (TxDOT).

Williamson, a resident of Weatherford and a former state legislator, brings a new perspective to the Commission as it struggles to meet the transportation needs of the people of Texas. He plans to develop closer relations between TxDOT and members of the legislature to arrive at innovative ways to deal with transportation problems. "Working together to provide the best possible transportation system for all Texans and seeking important solutions to traffic congestion, aging rural highways, safety and air quality problems is a transportation challenge we have to face," he said. Economic development, specifically along the Texas-Mexico border is also of primary importance.

Born in Abilene, Williamson graduated with a Bachelor of Arts degree from the University of Texas at Austin in 1974. He then went on to build his natural gas production company and served from 1985-1998 in the Texas Legislature.

Williamson and his wife, Mary Ann, are parents to three daughters, Melissa, Katherine, and Sara. Personal interests for Williamson include hunting and fishing and supporting women's fastpitch softball.

TEXAS AVIATION CONFERENCE SOARS TO NEW HEIGHTS!

By Marie C. Peinado Aviation Division

AUSTIN-- The 19th Annual Texas Aviation Conference, cosponsored by Texas Department of Transportation Aviation Division and the Texas Airport Management Association, was held again at Austin's DoubleTree Hotel North from Wednesday, April 4 through Friday, April 6, 2001.

There were 450 conference participants at TAC this year, the largest gathering in our history so far. Among those attending were 52 aviation exhibitors and 49 golfers participating in the 2nd Golf Tournament. A record crowd, indeed!



David Fulton, right, mingles with conference participants

There are several reasons for our success. "The Texas Aviation Conference has been extremely successful in bringing together the aviation community; in giving everyone the opportunity to network, share, and obtain current information affecting aviation in Texas," according to Yolanda Alvarez, TAC coordinator.

We must be doing something right then! Right? TAC just keeps growing and growing. We are extremely pleased that we

TAC Continued on page 4



By the time you receive this newsletter, the 77th session of the Texas Legislature will be history. Several aviation issues were addressed during the session including:

- (1) Development of a State Airport in Central Texas. The Texas Department of Transportation was directed to establish and maintain an airport open to the public in Central Texas. Funding for the airport is limited to federal matching funds, federal grants, in kind contributions, private sector funds, nonprofit grants and local government funds. The act specifically prohibits the consideration of the former Robert Mueller Airport as a location for the new airport. Also, any site to be considered must have the approval of the local governing body. This act was passed in an attempt to address the aircraft dislocation problem that occurred some two years ago with the closure of Robert Mueller and Austin Executive Airports.
- (2) Notice and Requirements for Certain Antenna Structures: This bill provided for notice and marking requirements for antenna structures at a height of more than 100 feet and less than 200 feet above the surface that are planned for erection in cultivated fields by commercial wireless telecommunications companies. Towers in excess of 200 feet are currently governed by federal requirements. The intent of this bill was to increase the visibility and awareness of these structures for pilots who operate at very low altitudes.
- (3) Airport Loan Program: A rider was attached to TxDOT's budget to provide \$5M in general revenue funds for each year of the biennium to be used for loans to communities for airport development needs. The funds were slated to be used for projects that are not eligible for state and federal funds, such as hangars and fuel farms, as well as for the local match for state and federal grants. The rider survived all the way through the process until the final step, approval by the Appropriations Conference Committee, at which point it died. Hopefully, this effort will resurface during the next session of the legislature as this program could prove extremely beneficial to communities in the development of their airports.



is an official publication of the Texas Department of Transportation Aviation Division. The intent of WINGTIPS is to keep the aviation community and others informed of local developments in aviation, Printed circulation: 5,000.

Comments and suggestions are welcome. Submission of articles is subject to space and editorial review; and should be directed to the editor at

Aviation Division, TxDOT

125 E, 11th Street Austin, Texas 78701-2483 512/416-4550 or 1-800/68-PILOT FAX: 512/416-4510

DIRECTOR OF AVIATION

David S. Fulton

WINGTIPS EDITOR Marie C. Peinado E-mail:

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- (4) Aviation Education: A new aviation education program was approved under which TxDOT will conduct a study leading to the development of a four year degree program in the field of aviation for women and minorities. The program will also develop a K-12 aviation indoctrination program for students.
- (5) Lien on aircraft: Legislation was passed which places a lien on aircraft for failure to pay fuel bills. This provision was added to existing law which provides for placing a lien on aircraft for failure to pay for storage, repair, or maintenance.

The interest in aviation was significantly greater this session than any in recent history which speaks well for the heightened awareness within the Texas Legislature of the importance of air transportation.

TEXAS SLIPSTREAMS

Brazoria County Airport - Airport Manager: Louie Jones, Route 1, Box 5, Angelton, TX 77515, 979/849-5755.

Bridgeport Municipal Airport — New airport manager: Bob Barham, 812 Halsell Street, Bridgeport, TX 76428, 940/683-3996.

Capella Air Ranch, near Coupland — the airport is being constructed on a 103-acre tract of land in this Central Texas community, including an aircraft hangar facility and residential airport subdivision for private construction of "Hangar Homes." For more information check: www.capellaairrach.com.

Castroville Municipal Airport — Acting Airport Manager: Timothy Fousse, 830/931-3224.

Fox Stephens Field/Gilmer Municipal Airport — correct name of the airport; mailing address: Box 760, Gilmer, TX 75644.

Lancaster Municipal Airport — New Airport Managers: Clinton T. Pye and Tom Pye, P.O. Box 551, Lancaster, TX 75146, 972/227-5721.



Correct statement: . . . "The instructor must hold an unexpired certificate and must have provided at least 15 hours of WINGS flight training to a least five pilots within the preceding 24 months." (March 2001 Wingtips, Recent Aviation Capsules, "CFI Re-Certification tied to Wings Program)

We regret the inconvenience caused by our misstatement.

TEXAS AEROSPACE COMMISSION GAINS NEW DIRECTION

By Fred Johnson Texas Aerospace Commission

William "Bill" Looke, the new Executive Director for Texas Aerospace Commission, has successfully presented the case for increased TAC funding during the current legislative session. The Conference Committee on Appropriations voted unanimously to increase the Commission's funding to \$2 million for the biennium—an increase of



William Looke

about 500 percent from the last fiscal year.

Looke has fully re-energized the Commission and its focus of the number one priority: retention and full funding of the NASA Johnson Space Center, human space flight, and International Space Center Operations. While the industry surrounding the Johnson Space Center is key to Texas remaining as a leader in the space industry, Looke has also placed greater emphasis on aviation and economic development.

The Texas Aerospace Commission will continue to develop long-term strategic plans to assess and make recommendations for both space and aviation. Staff includes Fred Johnson, Director of Legislative Affairs and Administration, and John Paddenbury, Director of Economic Development.

Several pending projects throughout the state include:

- Explorer aircraft (Jasper)
- General Aviation manufacturer (Lockhart)
- Bell Textron V-22 Osprey retention (Hurst and Amarillo)
- Aviation & Space educational programs (Elementary-University Level)

A big winner for TAC was Governor Rick Perry signing into law on May 15, 2001 the Spaceport Trust Fund (SB813/HB1964) which provides a conduit for the development of commercial spaceports in Texas.

Looke came to the Texas Aerospace Commission from Brazoria County Airport where he served as airport manager from 1997 to 2000. A retired Air Force Colonel, Looke brings a wealth of experience and knowledge in defense and defense affairs to TAC. He holds a Bachelor of Science from Southwest Texas State University and a Master of Science (Magna Cum Laude) from Northern Arizona University.



Some of the major "firsts" in aviation and space history:

- 1903 1st successful Airplane (Wright 1903 Flyer)
- 1926 1st successful Liquid-Propellant Rocket (Goddard Rockets)
- 1927 1st solo transatlantic flight
- (Ryan NYP "Spirit of St. Louis")

 1942 1st American Turbojet
- (Bell XP-59A Airacomet)
- 1947 1st aircraft to travel the speed of sound (Bell X-1 "Glamorous Glennis")
- 1957 1st artificial satellite (Sputnik 1)
- 1958 1st successful United States satellite (Explorer 1)
- 1962 1st interplanetary probe (Mariner 2)
- 1962 1st American in Earth orbit (Mercury "Friendship 7")
- 1965 1st American spacewalk
- (Gemini IV)

 1967 1st hypersonic, high altitude aircraft
 (North American X-15)
- 1969 1st manned Lunar landing
 - (Apollo 11 Command Module "Columbia")
- 1976 1st spacecraft to operate on Mars (Viking Lander)
- 1976 1st spacecraft to leave our Solar System (Pioneer 10)
- 1987 1st Intl effort to control nuclear arms (Pershing-II & SS-20 Missiles)
- 1999 1st Nonstop Flight Around the World by Balloon (Breitling Orbiter 3 Gondola)

SOURCE: National Air and Space Museum



TAC Continued from page 1

continue to attract such a crowd of aviation enthusiasts eager to learn about current issues and to contribute to the on-going aviation dialogue. Our workshops and topic panels certainly helped address many of our community's needs and reinforced our support for their airports. Moreover, we enjoyed seeing many old friends and meeting new acquaintances; the camaradarie was a great motivator!

The 2nd Annual Golf Tournament was held on Wednesday and continues to be a popular part of our activities. The "Get Acquainted Reception" sponsored by the exhibitors also attracted a large crowd fascinated by all the new aviation innovations at each booth. Thursday's Evening Social was a lively and fun-packed event with music (DJ), dancing, and prizes donated by exhibitors, and other sponsors.

The Awards Banquet was held on Thursday and the following Aviation Awards for the Year 2001 were presented:

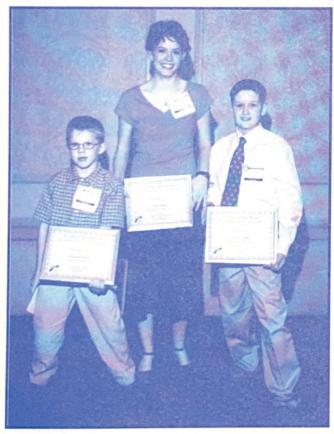
General Aviation Airport Manager of the Year: Joe Mosier, Curtis Field, Brady, Texas

Most Improved Airport: Fabens Airport, Fabens, Texas

Airport of the Year: Winston Field, Snyder, Texas

Reliever Airport Manager of the Year: Phillip Savko, Sugar Land Municipal Airport, Sugar Land, Texas

The 2001 International Aviation Art Contest's theme was "My



Left to Right: Benjamin White, Libby Hatla and Tyler Griffin

Dream to Fly" and the winners were:

Category I (Ages 6-9) Benjamin White, 8 years old, Princeton Elementary, Princeton, Texas

Category II (Ages 10-13) Tyler Griffin, 13 years old, Henderson Middle School, China, Texas Category III (Ages 14-17) Libby Hatla, 17 years old, Sanford-Fritch High School, Fritch, Texas.

In addition to receiving their award certificates, each art winner received a \$100 Savings Bond from TAMA. The artwork can be viewed in color at our website: www.dot.state.tx.us.

"Without a doubt, this was our best conference yet; we were delighted to have TxDOT Executive Director Wes Heald and members of the Texas Legislature present," said David Fulton, TxDOT Aviation Director.

"Special thanks goes to our sponsors for their generous contributions to Texas Aviation Conference; without their support, the conference could not be held", said Yolanda Alvarez, Texas Aviation Conference Coordinator.



Left to Right: Joe Mosier, David Fulton



Left to Right: Roger Rivera, Fabens Airport, Phillip Savko, Sugar Land Municipal Airport, Roger Sullenger, Winston Field, Snyder, Joe Mosier, Curtis Field, Brady

THEY WILL BE REMEMBERED ...



AUSTIN'S OWN
EXPERIMENTAL
AIRCRAFT BUILDER
AND WRITER Antoni "Tony" Bingeles
died on March 29 in
Austin after a long
illness, he was 80.
After serving 23 years
in the U.S. Army Air
Corps, Tony went to

work for the Texas Aeronautics Commission, now the Texas Department of Transportation Aviation Division and retired after 18 years of service.

He wrote and published four books on building Experimental Aircraft which are well-read worldwide. In 1987, copyright and proceeds from the books were donated to the Experimental Aircraft Association in Oshkosh, Wisconsin.

Aviation was Tony's true passion. In 1963, he was the founder of the EAA Chapter 187 in Austin. He organized the First Southwest Regional Fly-In in Georgetown, Texas in 1965, which is now the SWRFI of Abilene, Texas. Tony was also the author for 25 years of a monthly technical column for the Sport Aviation Magazine. Additionally, he was inducted into the Experimental Aircraft Association Homebuilders Hall of Fame in 1995.

He is survived by his wife of 51 years, Morine Shockley-Bingeles.

Fly high, Tony!



CENTRAL TEXAS AVIATION PIONEER - Robert "Bobby" L. Ragsdale died on March 15, in Austin, he was 85. Inspired by the barnstormers in the 20's, he knew that he wanted to fly! He built his first airplane when he was 12 years old, which is still on his ranch in Big Spring. A 1938 graduate of Texas Tech University in Lubbock, Texas, Ragsdale received a degree in

aeronautical engineering. One day while hitchhiking to town, he accepted a ride with Pearle Baired who became his first legal passenger and finally his wife on July 1940. During WWII he trained thousands of flight instructors and

pilots to fly for the Army Air Corps, as well as pilots for the University of Texas and St. Edwards University. The rest is history. He then went on to build a major aircraft business, Ragsdale Aviation at Robert Mueller Municipal Airport, in Austin. Ragsdale in his later years devoted himself to philanthropy, quiet about his good deeds and generous with his gifts.

His wife preceded him in death in 1993.

COMPANY - E. Fred Buehring, who began his 53-year career in the aviation industry as a tool planner and rose to head E-Systems, died in April; he was 85. Buehring was born in McGregor. Texas and was a longtime givin leader.

TEXAN ROSE TO PRESIDENT OF AVIATION

head E-Systems, died in April; he was 85. Buehring was born in McGregor, Texas and was a longtime civic leader in Greenville in North Texas. He retired as president of the avionics company in 1974, but remained on the board of directors until its merger with Raytheon in 1995. Well-known in the Grand Prairie area and at Love Field during WWII, he led the switch toward the emerging electronics industry, by specializing in airborne systems electronics for large military aircraft.

THE GRAND DAME OF AVIATION - The legendary San Francisco Bay area certified flight instructor (CFI) Amelia Reid died on March 3, of complications from a stroke she suffered in January. She was 76. Synonymous with aviation in California, Reid held an airline transport pilot's (ATP) license, ratings for single-engine land and sea, including multi-engine land and glider. Additionally, she was famous for aerobatics and her low-altitude butterfly maneuver in a Cessna 150 Aerobat. Her former students include airshow star Sean D. Tucker and author/comedian/flight instructor Rod Machado.

D.B. COOPER'S PILOT - William "Scotty" Scott, best known for being the pilot on the infamous D.B. Cooper flight, died at his home on March 11. For 30 years Scott said very little about his experience with the famed hijacker, D.B. Cooper, who took over a Northwest Orient Airlines Boeing 727 on Thanksgiving Eve 1971. Cooper bailed out of the 727 somewhere near the Columbia River in Oregon, after receiving \$200,000 in ransom money and four parachutes. Cooper was never found, but part of the ransom money was recovered on the ground many years later.

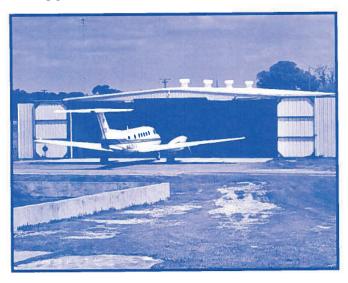
CHAMBERS COUNTY AIRPORT ON A ROLL!

Ron Jackson Manager of Airports

Chambers County Airport in Anahuac recently participated in TxDOT's Routine Airport Maintenance Program (RAMP). A 60-foot x 80-foot hangar was repaired and renovated with the support of this program.

Another project in the works includes the extension of runway 12-30, rehabilitation of all taxiways and ramp area, installation of medium intensity pilot-controlled lighting, and the replacement of a rotating beacon.

Additionally, airport officials have applied for a terminal building grant.





WOMEN IN AVIATION SCHOLARSHIPS AWARDED

The 12th Annual International Women in Aviation Conference was held in Reno, Nevada on March 22-24. Scholarship Awards at WAI's Conference approached \$1 million. Scholarship selection criteria include achievements, attitude toward self and others, commitment to success, dedication to career, financial need, motivation, reliability, responsibility and teamwork.

The following Texans were WIA award recipients:

Airline Dispatcher's Federation (ADF) Michelle Pouso, Euless, TX

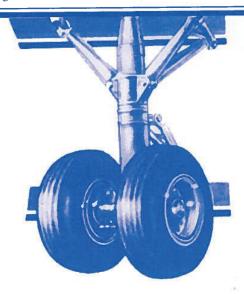
Delta Air Lines (Maintenance) Tigiset Hailu, North Richland Hills, TX

AOPA Flight Training Magazine (Conference Attendance Sponsorship) Aimee Kristen Valasquez, San Antonio, TX

> Jeppesen (Private Pilot) Connie Anne Irvine, Keller, TX

Pratt & Whitney (Maintenance—2000 Awards) Kristina Galbraith, Arlington, TX

Congratulations to each of this year's recipients!



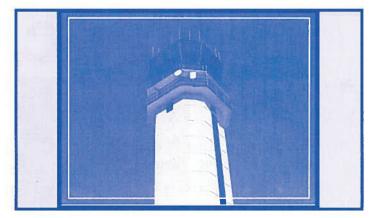
TEXAS Training in Australia

Bill Gunn, at TxDOT Aviation, spent ten days in March of this year assisting the Air Safety Foundation, Australia (ASFA) setting up trial safety seminars and flying instructor refresher clinics.

Sample clinics for flight instructors were conducted in Sydney, Bankstown and Melbourne as part of a comprehensive revision of the Australian Civil Aeronautical Regulations — the equivalent of our Federal Aviation Regulations.

During the two-day clinics, Bill and select Australian Instructors gave comprehensive presentations in all areas of flight training. It is estimated that Australia has a general aviation accident rate four times higher than the United States. The number of incidents and accidents in the United States is much higher due to the larger pilot and aircraft population, but the rate per 100,000 flight hours (an industry standard worldwide) is higher in Australia. Moreover, the Australian pilots and Civil Aviation Safety Authority (CASA) are the first to admit to this dilemma. One area under examination by CASA, the equivalent of the FAA, is to require recurrency training for flight instructors.

According to Gunn, "I was concerned that Australian pilots and flight instructors might have very different expectations of refresher training. However, I was pleased to discover that the course was well received. The Australian instructor and pilot communities are just the same as in Texas. The group accepted the information and the concept of refresher training every two years, just as we do in the United States."

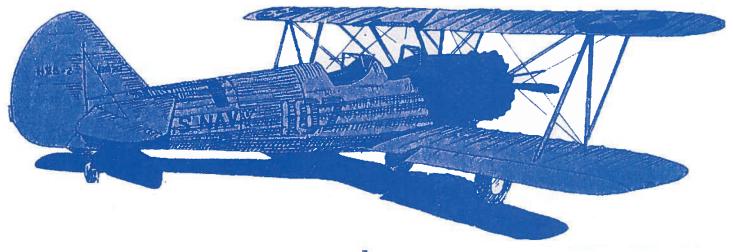


NEW ATC TOWER FOR HOBBY

Air Traffic Control at William P. Hobby (HOU) Airport has a new and improved working environment. The Federal Aviation Administration moved into a new ATC tower at Hobby this quarter.

The state-of-the art HOU ATC tower cost \$8.3 million, is 147 feet tall, and has a 7,300 square foot building attached to the base, which houses electronic equipment and administrative offices. The facility houses a staff of 35 including air traffic controllers, supervisory and support personnel. Houston Airways Facilities Sector Service Center also operates from this facility providing electronic, environmental and maintenance support for the Houston Area.

Source: Houston Airport System News

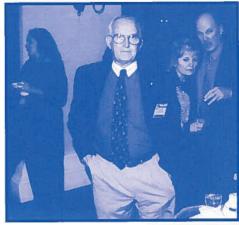


"Memories are















Made of This..."





















GRANTS RECENTLY AWARDED TO AIRPORTS

Grant Airport Name	Grant Awarded	Grant Amount	Project Description	
Coleman Municipal Airport	3/23/01	\$654,540.00	In general, the project consists of: Rehabilitating, striping, and marking Runway 15-33; Rehabilitating and marking taxiway to Runway 15 end: Rehabilitating and marking taxiway to Runway 33 end; Rehabilitating and marking stub taxiway; reconstructing apron; Installing Runway End Identifier Lights (REILs) for Runway 15-33; Replacing rotating beacon and tower; Installing miscellaneous drainage improvements; and other miscellaneous items at the Coleman Municipal Airport.	
New Braunfels Municipal Airport	3/27/01	\$1,414,670.00	In general, the project consists of Paving and NAVAID Improvements.	
Waco TSTC	4/23/01	\$2,028,890.00	In general, the project consists of Constructing New Access Taxiway "H" to Runway 17R, Reconstructing Taxiway "D", mark Runway 17L-35R. Installing MIRLS on Runway 17L-35R, Installing Runway Exit and Hold Signs, Upgrading Electrical Vault, Upgrading A-4 ALS and Restoring Threshold Bar on Runway 17L, Installing MITL for Taxiways A, B, C, D, and E, Installing Existing Beacon on New Tower.	
Bryan- Coulter Field	04-16-01	\$1,458,560.00	In general, the project consists of: Rehabilitating Runway 14-32; Striping and Marking Runway 14-32; Reconstructing Hangar Access Taxiways and Apron Access Taxiway; Rehabilitating Taxiways; Reconstructing Terminal Apron and Expanding Terminal Apron; Constructing New Hangar Access Taxiways; and Installing Area lights around the apron.	
Alice International Airport	4/20/01	\$2,678,780.00	In general, the project consists of: Reconstructing Southeast End of Runway 13/31, Rehabilitating Northeast End of Runway 13/31, Striping and Marking Runway 13/31, Constructing Parallel Taxiway to Runway 13/31, Constructing Stub Taxiway to Runway 13/31, Rehabilitating and Marking Taxiway "A" (North End), Rehabilitating and Repairing Runway 17/35 and Striping and Marking Runway 17/35.	

Source: Grants Management, Aviation Division

AVIATION SCHOLARSHIP OPPORTUNITIES

Young people interested in pursuing aviation careers should be aware of the following scholarship information [NOTE: sources within industry and professional associations say many aviation scholarships are not awarded because students are not aware of the resources].

AvScholars.com contains a comprehensive list of aviation scholarship information and sources.

Aviation Distributors and Manufacturers Association is offering a \$1,000 scholarship to: (1) a BS candidate with an aviation management major with emphasis in one of the following: general aviation, airway science management, aviation maintenance and airway science maintenance management; (2) a BS with a major in professional pilot with emphasis in general aviation, flight engineer, or airway science A/C systems management; and (3) a second year student in an A/P education program.

For more information contact adma@fernley.com or www.adma.org.

AIRPORT MAGAZINE

WANTS YOUR IDEAS AND PICTURES!

Airport Magazine is looking for ideas and solutions you may have come across at airports! They are issuing an open casting call for "before and after" pictures—no matter what the subject—that might illustrate projects completed or problems solved at or for airports. For example: send them pictures of new airport signage that has helped eliminate pilot confusion. . . nothing is too big or too small!

If you have ideas or questions, contact the editor, Holly Arthur at holly.arthur@airportnet.org or 703/824-0504! Holly welcomes all of your feedback and suggestions!





The Aviation Division Video Library continues to serve the public thorughout the state by providing lending services to patrons by mail.

POLICY: Any resident of Texas can check out three video tapes at a time for two weeks at no

charge. Only return postage is necessary.

MEMBERSHIP: To enroll in our database, write to Aviation Division, TxDOT, 125 E. 11th Street, Austin, Texas 78701; and give your name, address, telephone number, as well as your driver's license number. After membership enrollment, a video catalog of tapes will be sent to you for your review. You can then place your video order at your convenience by calling our 800 number.

AUSTIN PATRONS: Office Hours-Monday through Friday, 8:30 a.m. to Noon and 1:00 p.m. through 4:00 p.m. (Closed for lunch).

For more information, please contact Donald Brown at 1/800/68-PILOT.

INTERESTING VIDEOS:

V1111 Lost and Crossed

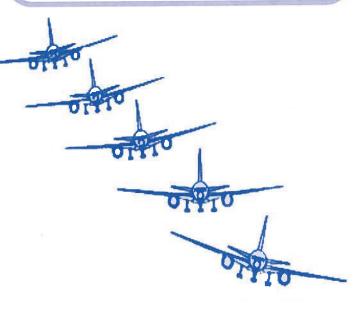
V1269 Bush Pilots of Alaska

V1311 Aviation Oil: What Every Pilot Needs to Know

V1319 The Lost Squadron

V1404 Making Your Own Rules - Personal Minimums

V1405 Emergencies2 - Surviving System Emergencies



HANGAR 25 AR MUSEUM STILL STANDING PROUD

By Marie C. Peinado

Located at the former Webb Air Force Base in Big Spring, Texas, Hangar 25 has its very own distinctive place in Texas aviation history; a lingering and living testimony to the thousands of flight crews, pilots, and service personnel who trained here for the specific mission of protecting our country during three major U.S. wars of the last century.

Sadly, many of those who trained here did not return. Webb AFB was named for James L. Webb Jr., a Big Spring High School graduate of the 40s who died when his P-51 Mustang fighter crashed near Japan in 1949.

Hangar 25 is a very big old building constructed at the beginning of World War II for the U.S. Army Air Corps. It is estimated that between 1942 and 1977, some 14,000 fighter pilots and 6,000 bombardiers were trained at the Air Force Base and in particular the Big Spring Army Bombardier School located in the southwestern portion of the city. The bombardier school was closed right after World War II, but as events in the Korean War accelerated, Webb reopened specifically to train more pilots for that war. After the war, it remained open to train pilots from our allies.

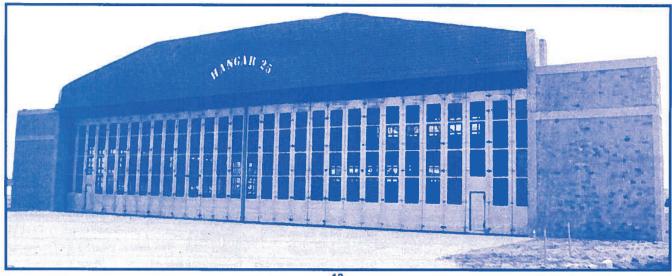
Webb AFB closed at the end of the Vietnam War. Hangar 25 was abandoned and lapsed into a state of disrepair until 1995 when a group of concerned citizens launched a vigorous campaign to restore and convert the facility for use as a military museum. Their vision was to create within the hangar an air museum that would honor and reflect the history and flight training traditions of Webb AFB and its WWII predecessor, the Big Spring Army Bombardier School.

Today Hangar 25 Air Museum at Big Spring's McMahon Wrinkle Air Park contains much more than just static air displays from different war periods. Display cases are filled with all types of military mementos-helmets, letters, photographs, uniforms, coffee mugs, a G-suit, hundreds of model airplanes, military shoulder patches-items donated mostly by the men and women who were assigned to Webb or from their families.

The restored hangar's architecture is most impressive. Since steel was in short supply during WWII, the building was constructed of brick, wood and glass. A huge folding door covers the hangar's front letting a flood of light stream through the door's 100 or more windows down into the display area. An unusual interior arched roof design of Lamella construction; the use of large virgin timbers in a spiderweb design to support a tall oval span creates another focal point for Hangar 25. A high mezzanine area allows visitors to view the displays from above. Additionally, a simulated "Briefing Room" is available as a meeting place for airport officials and community groups. Hangar 25 also houses the offices of the Air Park and its administrators.

Hangar 25 is open Monday through Friday from 9 a.m.-noon and 1-4 p.m; Saturday, 10 a.m.-2 p.m; and Sunday, 1:30-4 p.m. For more information, call Susan Lewis or Nelda Reagan at 915/264-1999.

Hangar 25 Air Museum is indeed dedicated to preserving and protecting the history of Hangar 25 at Big Spring; and to honor the men, women, and aircraft who served our nation.



FLIGHT SAFETY

PILOT AWARENESS OF BODY DEHYDRATION

The educational process should start now as the heat of summer approaches and the chances increase for pilots to become dehydrated with increased risk for incidents and accidents.

Three Stages of Heat Exhaustion

Transition from one to the other can be very evident, hardly noticeable, or not evident at all.

Heat stress (body temperature, 99.5 - 100F) reduces

- Performance, dexterity, and coordination
- · Ability to make quick decisions
- Alertness
- Visual capabilities
- · Caution and caring

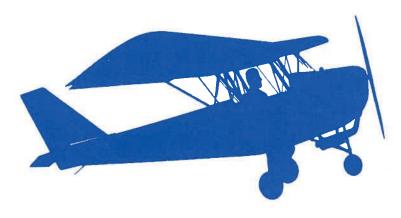
Heat exhauston (101-105F) symptoms:

- Fatigue
- Nausea/vomiting
- Giddiness
- Cramps
- Rapid breathing
- Fainting

Heat stroke (105F) symptoms

- Body's heat control mechanism stops working
- Mental confusion
- Disorientation
- · Bizarre behavior
- Coma

Source: FAAViatioNews





AIRPORT HANGAR FINANCING QUESTIONNAIRE SENT TO AIRPORT MANAGERS

By Jeff Borowiec Texas Transportation Institute

The Texas Transportation Institute (TTI) recently sent an airport hangar financing questionnaire to all airport managers in Texas.

Texas Department of Transportation, Aviation Division, undertook with Texas Transportation Institute at Texas A&M University to develop and administer the questionnaire which ultimately will improve the Texas Airport System.

The questionnaire provides an opportunity for airport managers to share their experience, with other professional counterparts. More information is needed to study present and innovative practices currently used by airport sponsors to finance and build aircraft hangars including related infrastructure. The compiled data will include more in-depth information on all sizes of Thangars, maintenance hangars as well as corporate hangars.

The one-page questionnaire is available on-line at http://tti.tamu.edu/transportation_aviation/hangar; it can also be returned by mail or fax.

For additional information, contact Jeff Browiec, Texas Transportation Institute (979) 845-5200 or jborowiec@tamu.edu.

RECENT AVIATION CAPSULES . . .

- PRESIDENT BUSH'S RANCH If anyone is thinking about flying over this ranch near Crawford, Texas to check out the new president's place — think again! The Federal Aviation Administration (FAA) has declared it off limits. A Prohibited Area has been established in the airspace above the ranch, extending from the surface to 5,000 feet MSL, within a three-mile radius.
- AWARD WINNING BROCHURE The Houston Airport System's Planning, Design and Construction group received the "Special Market Brochure 2000" Award from the Society of Marketing Professionals for a brochure to help customers understand on-going airport ground transportation improvements.
- TEMPLE CENTRAL REGIONAL AIRPORT In May, the city-run aviation facility was named an award winner in Exxon-Mobil's Tiger Spirit Customer Service Program. As part of a national network of fixed-base operators (FBOs), this airport caters to the needs of both local and cross-country professional pilots who stop at the facility for refueling and other needs.
- WACO REGIONAL AIRPORT The airport recently added a toll-free hotline 866/FLY-WACO (866/359-9226). Callers can ask questions about the status of flights and schedules, hours of operation, luggage, and directions to the airport. Additionally, the airport is offering concierges to assist customers with their luggage.
- FORT WORTH FAA officials recently presented San Angelo Automated Flight Service Station employees the Air Traffic Service Directors Quality Assurance Award. Flight service stations provide weather information, flight plan services and assistance in emergency and rescue operations to civilian and military pilots. The San Angelo facility is responsible for more than 100,000 square miles in south, west and central Texas.

- F-22 RAPTOR After 10 years of building prototype sections Lockheed Martin began fabricating a "production" fuselage section for the F-22 Raptor in April at an assembly plant in Fort Worth. Another 11 months will elapse before assembly of the fuselage section is complete and it is delivered to a company plant in Marietta, Georgia, to be joined with other components. The finished aircraft is set for deliver to Tyndall AFB in early 2003 where the Air Force's 325th Fighter Wing will train future F-22 pilots.
- LEGENDARY KELLEHER GIVES UP SOUTHWEST CONTROLS- Herb Kelleher, co-founder of Southwest Airlines, stepped down in June as president and CEO after 27 years of revolutionizing the air transport industry. Southwest earned \$603.1 million last year on operating revenue of \$5.65 Its planes flew 70.5 percent full, the highest occupancy figure in its history. The company plans to expand its fleet of 344 planes by about 7 percent this year and add service to two more cities. As the nation's No. 7 carrier, Southwest has kept costs down by operating only one type of plane, the Boeing 737, and foregoing meals and reserved seating. Kelleher will continue to serve as executive chairman, but will relinquish day-to-day operations to James Barker, current vice president and general counsel, who will assume the CEO and vice chairman positions. Colleen Barrett, current executive vice president, will become president and COO.
- FAA AIRCRAFT AND AIRMEN DATA ON INTERNET Aircraft and Airmen Registration data are now available to the public on FAA's web site at *registry.faa.gov*. Beginning April 4, the database can now be used to locate an aircraft by type, serial number or N number. Users can reserve and pay for a special N number, and can print out the forms needed to file documents with the Registry. The site has been in operation for about a year. The site allows users to locate an aircraft by state and county.
- SOUTHWEST AIRLINES CHAIRMAN Herb Kelleher was inducted into the Texas Transportation Hall of Honor in June. Kelleher will be joined by two other TxDOT Directors who will be inducted later this year: DeWitt Greer (1940-1961) and Gibb Gilchrist (1924-1937).



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MARK YOUR CALENDAR!

Jul 21 National Aviation Hall of Fame Annual Enshrinement Ceremony, Dayton, Ohio

Aug 11-18 Gliding National Championship, Hearne, Texas

Sep 1 Decatur Airport "Open House", Decatur, Texas

Sep 8 8th Annual Fly-In Breakfast, Lubbock, Texas

Nov 8-10 AOPA Annual Expo, Fort Lauderdale, Florida

Editor's Note: For most recent entries, check our Texas Aviation Calendar of Events at our Web site, www.dot.state.tx.us.

Deadline for article submissions for the August 2001 Wingtips is July 15, 2001.





AVIATION DIVISION

