



AUGUST

# RUNWAY 15

2011 EDITION

Save An Airport  
Quiet Flying ✈️  
is good business!

## WEST HOUSTON AIRPORT Support Your Airport And Its Business Team!

“THE FINEST IN A FULL SERVICE FACILITY”  
“WHY DO IT YOURSELF?”

Where the Customer Comes First

Innovative Aviation Leadership since 1962

### BEACON LIGHT— SHOCK COOLING by C.G. “Hank” Henry



**CHIEF PILOT  
“HANK” HENRY**

Some time ago, I did a test flight and ten hours of precautionary break-in of a Continental IO-470 (250hp) engine that had suffered a couple of cracked cylinders, had been completely overhauled by a reputable over hauler shop. This engine has been back in the shop

for cylinder work due to walls being galled and piston scuffing at least twice and within fifty hours since the major overhaul. Analysis of the problems seems to indicate ö they resulted from shock cooling and heating.ö

The term öshock coolingö has been kicked around for a few years but I am very often surprised at how many people have been reading, speaking and writing the term without understanding its meaning. To put it as simple as I know how, it is cooling or heating at an excessive rate.

An excessive rate of heating can be caused by applying high power on an engine that has not been allowed to warm up at a gradual rate to its safe operating temperature. This can cause the cylinder heads, valve heads and stems to become enlarged from heating enough to press too hard against the cylinder barrels. When the pistons and piston rings expand too much from heating before the cylinder walls

are heated and expand enough, the rings can become broken and the cylinder walls become galled or scored. When the metal on the interior of the cylinder head expands too rapidly from heating before the head has time enough to travel through to the exterior, then very uneven stresses may cause a fault line to occur. More heat is unusually concentrated in the area of the exhaust valve part as the burning gases exit from the cylinder.

One of the most common areas for cracking is from the exhaust valve part to the bottom spark plug hole. Another common area is between the valve parts. When the valves become heated and stems enlarge until they bind in the still-cool valve guides, push rods can be bent or valves will stick open allowing the seats to be burned. Most cylinder barrels are tapered (the skirt-end is larger than the head end) so they will become near the same diameter when warmed to a safe operating temperature.

These things are the main reason for engine manufacturers recommending operating no higher than 1200 RPM until the oil temperature reaches certain levels, or in colder climates, the oil temperature needle begins to move. 1200 RPM produces about 800°F within the combustion chamber.

I will explore excessive cooling next month.

~Hank Henry

#### Special points of interest:

- BEACON LIGHT ON— SHOCK COOLING
- SAFETY MEETING — AUGUST 22
- CHECK OUT THE AIRCRAFT FOR SALE — PAGE 3

#### Inside this issue:

CALENDAR	2
AIRCRAFT FOR SALE	3
HANGAR SPACE	3
FLIGHT SCHOOL	3
AIRPORT TEAM	4
AIRPORT CONTACTS	4

Gulf Coast GSP Club’s 32nd annual ALL BREED DESNAKING PROGRAM will be held Saturday and Sunday, August 6 & 7, 2011, between 7:30 a.m. and 1:00 p.m. in the picnic area at West Houston Airport. Professional handlers condition your dog to avoid dangerous snake bites. For more information contact Gene Moseley, Jr., at 713-45-7315 or [txrockinm@sbcglobal.net](mailto:txrockinm@sbcglobal.net).

The 2011 Gulf Coast Hurricane season is on its final approach. June 1<sup>st</sup> brings another round with nature. Please help West Houston Airport protect your home based property. Update your contact data with us today: phone numbers and email addresses, etc., in order that we may notify you when inclement weather affects airport status. Send your info to [terri@westhoustonairport.com](mailto:terri@westhoustonairport.com).

## CALENDAR OF EVENTS

### PREFLIGHT Breakfast

Saturdays 7:30 a.m. to 10:30 a.m. Pilots/Prospective Pilots Invited. Bring Your Plane! Discounted, full service fuel. ALL week-end at the Terminal. *Windshields Cleaned and Tires Aired.* CREDIT CARDS ACCEPTED!

### PRIVATE PILOT GROUND SCHOOL

Every Monday Evening, 7:00 p.m. - 10:00 p.m., West Houston Airport. No prior reservations needed. **Licensed Jeppesen Video Presentation!** Bring a family member for *half-price*. Don't miss this new and exciting learning experience! Contact C. G. Hankö Henry, Chief Pilot, 281-492-2130.

### INSTRUMENT PILOT GROUND SCHOOL

Every Tuesday Evening, 7:00 p.m. - 10:00 p.m., West Houston Airport. Call to verify course availability **Licensed Jeppesen Video Presentation!** Contact Hank Henry, Chief Pilot, for further information, 281-492-2130.

### FAA SAFETY MEETING

Fourth (4<sup>th</sup>) Tuesday Every Month, 7:00 pm. Special Fuel Prices in affect for all Fly-ins/Taxi-ins. Contact Carol Brackley 713-301-5407 or email [carolav8@att.net](mailto:carolav8@att.net). August 22, 2011 Safety Meeting will be 7:00 to 9:00 p.m.

### 99'S MEETING

Second (2<sup>nd</sup>) Tuesday Every Month, 7:00 p.m., Terminal Building, 2<sup>nd</sup> Floor. Women's Organization of Pilots, Men welcome! Contact Sophie Thibodeaux 281-391-2958. See website [www.ninety-nines.org](http://www.ninety-nines.org).

### CIVIL AIR PATROL U. S. AIR FORCE AUXILIARY

Disaster Relief, Cadet Training, Air Space Education. Every Tuesday, 7 p.m., white hangar, Eastside of Airport. Membership open to Boys and Girls, Men and Women. THUNDERBIRD COMPOSITE SQUADRON; Contact Val Rose, 832-671-1851, email [val.rose@tx179.org](mailto:val.rose@tx179.org). See website [www.tx179.org](http://www.tx179.org).

### SABRE SENIOR CAP SQUADRON

Meet every Thursday at 7:00 p.m. in Hangar B-5. New members both Pilots and non-Pilots are welcome. Contact Ric Walters, Commander, 281-384-8437 or [sabrecc@sbcglobal.net](mailto:sabrecc@sbcglobal.net). See website <http://whsabre.com>.

### COMMEMORATIVE AIR FORCE

Historical Aircraft Preservation, rides and meeting facility. Meetings 3<sup>rd</sup> Sunday of the Month at 2:00 p.m., Hangar B-5. Memberships available. Contact 281-579-2131 or email [info@westhoustonsqdn.org](mailto:info@westhoustonsqdn.org), [www.westhoustonsqdn.org](http://www.westhoustonsqdn.org).

### EAA CHAPTER 774 MEETING

For Meeting Information and Announcements Contact Rick Human 281-463-6769. Great Meetings! Large Turnouts! Join Today.

### WOMEN IN AVIATION

For meeting information contact Vicki at 812-989-6653 or email [vicki@houstonwai.org](mailto:vicki@houstonwai.org). See website [www.houstonwai.org](http://www.houstonwai.org).

### NATIONAL BUSINESS AVIATION ASSOCIATION 2011

October 10th through 12th in Las Vegas, Nevada.

### AOPA CONVENTION 2011

September 22nd through 24th at Brainard Field in Hartford, Connecticut.

### AMERICAN BONANZA SOCIETY ANNUAL CONVENTION AND TRADE SHOW 2011

October 26 through 29th in Las Vegas, Nevada.



## AIRCRAFT FOR SALE

**1980 Beech A36:** Garmin 430, King Autopilot. Nice interior. Fresh annual. Priced to sell!

**1966 Piper Cherokee 180:** Garmin 300 XL, Transponder. Priced to sell!

**1965 Piper Twin Comanche PA 30:** Lots of modifications!

**2001 American Champion Scout:** 350 TTAE, Loaded, Hangared!

**1970 Piper Arrow:** Beautiful! Low Engine time. Autopilot. Recent paint and interior.

**25% Partnerships for Sale:**  
**1977 Piper Cherokee:** May Finance!

**25% Partnerships for Sale:**  
**2008 Piper Meridian:** Loaded!



**2001 American Champion Scout: 350 TTAE Loaded!**



**1970 Piper Arrow: Beautiful! Low Engine Time, Autopilot. Recent Paint and Interior.**

**COMPLETE FACILITIES AVAILABLE AT IWS:**

- COMMUNITY HANGARS ▪
- T-HANGARS ▪ T-COVERS ▪ TIEDOWNS ▪
- LARGE HANGARS FOR RENT ▪
- SMALL OFFICES FOR RENT ▪

**PRIVATELY OWNED HANGARS AT IWS:**  
 (Available Space for Rent)

**Circle J. Aero, C-7**  
 281-647-6681 NO VACANCY

**RE Aviation, D-2**  
 281-414-8870

**Evermore Holdings, B-4**  
 2000 sq.ft. office space  
 281-828-8888 NO VACANCY

**AOP Supply, G-12**  
 J.C. Reddersen  
 281-829-1050

**Terra Holdings, A-1/3**  
 281-994-5400 NO VACANCY

**Pale Orb, LLC, G-2**  
 www.pale-orb-llc.com  
 512-363-9417 NO VACANCY

**HANGARS FOR SALE:**



Hangar C2  
 281-492-2130



Hangar B3  
 281-492-2130

**LOTS FOR SALE:**

Lot: E14. Will Finance. Call 281-492-2130.

**Buying an airplane? Basing it at IWS? Free comprehensive advise on tax issues, pre-buys, depreciation and more! For a consultation and support materials call Woody Lesikar at 281-492-2130. Check with your professional licensed provider, then call me for money saving ideas that you won't get anywhere else.**

## AIRCRAFT FOR RENT/INSTRUCTION

On Line Scheduling at: [www.westhoustonairport.com](http://www.westhoustonairport.com)

**FOR RENT**

CESSNA 172S SKYHAWKS  
 CESSNA 172S - G1000/Air  
 BEECH F33C BONANZA  
 BEECH B-55 BARON

**REDBIRD FULL MOTION FLIGHT SIMULATOR**

- 172S (Standard and G1000)
  - A36 Bonanza
  - Beech 58 Baron
- \$125 per hour with Instructor**

- PILOT SUPPLIES •
- GIFT CERTIFICATES •

Based Customers:  
 Free Use of Life Raft,  
 Life Preservers & Oxygen  
 Bottle/Masks and Parachutes.

**GIVE A DISCOVERY FLIGHT!**

FAA Registration,  
 Bill of Sale, Affidavit of  
 Occasional Sale and Other  
 Forms Available Here!  
 Notary service.

Free: Coffee, Ice, Popcorn



Authorized AeroNav  
 FAA Chart Dealer!



**1966 Piper Cherokee 180:** Garmin 300 XL, Transponder. Priced to sell!

WEST HOUSTON AIRPORT

**“WEST HOUSTON AIRPORT TEAM”**

<b>West Houston Airport (Since 1962)</b>	<b>Flight School, Pilot Supplies</b>	<b>Terminal Building</b>	<b>281-492-2130</b>
Joe Galindo Aircraft Service (Since 1984)	Maintenance and Repairs	Hangar #2 Blue East	281-492-6749
Calkins Aero Service (Since 1985)	Maintenance and Repairs	Hangar #3 Red East	281-579-6674
General Avionics (Since 1995)	Avionics Sales and Service	Hangar #1 White East	281-647-9600
AeroWest Interiors (Since 1997)	Upholstery	Hangar #1 White East	281-398-3821
Aero Clean (Since 1980)	Washing, Waxing & Detailing	Mobile	713-644-6200
Energy Aviation (Since 2010)	Energyaviation.com/Charter	Hangar F-3	281-664-7917
Dr. Edy Hollenberg	Unique Eye Care	Hangar D-2	281-492-8018
Lone Star Rod & Rifle	Purveyors of Fine Sporting Life	Hangar B-1	281-829-3006
Dr. Victor Arellano (Baron Pilot)	FAA Medicals (by appt. only)	15410 Ridge Park Dr. Houston, Tx 77095	281-855-2244-office 281-460-2247-mobile
Houston Light Sport Aviation (Since 2010)	LSA Instruction	Green T-Hangar	832-447-4572



P.O. Box 941789  
Houston, Texas 77094-8789  
18000 Groschke Rd.  
Houston, Texas 77084-8789  
Phone: 281-492-2130  
Fax: 281-492-7028

**AIRPORT CONTACTS: 281-492-2130 Fax: 281-492-7028**

**WOODY LESIKAR**, Director of Aviation, Airport Manager, Available 24/7; [woody@westhoustonairport.com](mailto:woody@westhoustonairport.com)  
**SHELLY LESIKAR deZEVALLOS**, Corporate Officer, Ext 203; [shelly@westhoustonairport.com](mailto:shelly@westhoustonairport.com)  
**STACY LESIKAR MARTIN**, Corporate Officer, [stacy@westhoustonairport.com](mailto:stacy@westhoustonairport.com)  
**C.G. “HANK” HENRY**, Chief Pilot, Ext 211, 8:00 am to 6:00 pm Mon. thru Fri; [hank@westhoustonairport.com](mailto:hank@westhoustonairport.com) \* x36  
**TERRI ROBASON**, Executive Assistant, Ext 202, 8:30 am to 5:30 pm, Mon thru Fri; [terri@westhoustonairport.com](mailto:terri@westhoustonairport.com) \*  
**RENEE STRIPLING**, Accounting Manager, 8:30 am to 5:00 pm Mon thru Fri; [renee@westhoustonairport.com](mailto:renee@westhoustonairport.com) \*\*\*  
**RICH WHITNEY**, Compliance and Safety Officer, 7:30 am to 5:30 pm Mon thru Fri; [rich@westhoustonairport.com](mailto:rich@westhoustonairport.com)\*\*\*\*\*  
**ORLANDO HERNANDEZ**, Airport Maintenance Director, 7:00 am to 4:00 pm Mon thru Fri; [orlando@westhoustonairport.com](mailto:orlando@westhoustonairport.com)\*  
**DANIEL RENTERIA**, Supervisor Line Services, 1:30 pm to 7:30 pm Thurs, 7:30 am to 7:30 pm Fri, Sat, Sun.; [daniel@westhoustonairport.com](mailto:daniel@westhoustonairport.com)\*\*\*\*\*  
**WARREN VANDAGRIFF**, Supervisor Line Services, 7:30 am to 7:30 pm Mon, Tue, Wed, 7:30 am to 1:30 pm Thurs; [vandagriff@westhoustonairport.com](mailto:vandagriff@westhoustonairport.com)  
**DON EUTON**, AOPA Airport Representative, 281-391-7310, [doehe@mail.ev1.net](mailto:doehe@mail.ev1.net) - volunteer  
**BOBBY JACKSON**, President & Mayor Emeritus, West Houston Airport Subdivision Owners Association, Inc., 281-647-6681, [bobbyj5471@sbcglobal.net](mailto:bobbyj5471@sbcglobal.net) - volunteer

**IWS SUPPORT TEAM:**

**STEPHANIE GUAJARDO**, Customer Service Representative\*  
**STACY MARTIN**, Customer Service Representative  
**MEGAN BROWN**, Customer Service Representative  
**JERALYN CANARES**, Customer Service Representative  
**BRIAN PADAR**, Pro-Pilot, Certified Flight Instructor\*  
**TYLER YURCHEVICH**, Pro-Pilot, Certified Flight Instructor  
**BRYANT ELKINS**, Pro-Pilot, Certified Flight Instructor  
**JACOB SANGSTER**, Pro-Pilot, Certified Flight Instructor  
**JOHN WAYBRIGHT**, Certified Flight Instructor  
**THOMAS LONG**, Linecrew Technician\*\*\*\*  
**MIKE WHITE**, Linecrew Technician\*\*\*\*  
**JEFF HIGLEY**, Linecrew Technician  
**RONNIE BOLES**, Linecrew Technician  
**STEPHEN CALVILLO**, Linecrew Technician  
**MARTIN VENTRESS**, Linecrew Technician  
**JOHN ANKRUM**, Linecrew Technician  
**MICHAEL McGEHEE**, Linecrew Technician  
**ALLEN GEE**, Linecrew Technician  
**PHILLIP EDWARDS**, Linecrew Technician  
**TYLER MARKEL**, Linecrew Technician

