

Southwest Rotorcraft

April 2014

Tiggy B Taking Flight at Bensen Days



Southwest Regional Chapters of the Popular Rotorcraft Association



Southwest Region Chapters



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This Months Contributors:

- Dean Dolph
- Bob O'Dell
- Paul Erb
- Bill Wieger
- Rudy Gaffeo
- Chris Toevs



Visit The Lone Star Rotorcraft Club on Facebook.

Southwest Regional Newsletter

- Club news and upcoming events
- Member profiles
- Member's machines
- Chapter meeting minutes
- Projects, builds and modification
- Photos
- Family news
- Classifieds

Newsletter Past Issues

If you have missed an issue of our newsletter just go to <http://www.gyrosaway.com/newsletters.php> to download past issues.

To subscribe to Southwest Rotorcraft just click the button below. Subscribing to Southwest Rotorcraft also automatically subscribes you to the Western Rotorcraft. At the beginning of each month you will be sent a link to Southwest Rotorcraft and Western Rotorcraft where you can read them on-line or download them to your computer.

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Upcoming Events

- April 12: Chapter 65 Meeting in Luling
- April 19: Chapter 62 Meeting at Anahuac
- April 26: Chapter 78 Meeting in Olney
- May 10: Chapter 65 Meeting in Luling
- May 17: Chapter 62 Meeting at Anahuac
- May 24: Chapter 78 Meeting in Olney
- April 26: AOPA Fly-In, San Marcos Texas
- June 10-14; Rotors Over the Rockies, Brigham City Utah
- August 5-9; PRA International Convention, Mentone Indiana
- September 25-27; Ken Brock Freedom Fly-In; El Mirage Dry Lake Bed California
- October 24-26; Steve Weir Memorial Fly-In (Formerly Gatorfest Fly-In), Anahuac Texas



On the Cover

Jim Toevs Tiggy B taking flight at Ben-sen Days 2014

Send Us Your News

Project Reports

Send us pictures of your project to include in future editions of the newsletter. We will post anything you have on your build, modifications, training, etc. Just send an email to tell us what you are doing and include some pictures if you have any. Progress reports are probably the most interesting things to read about and see.

Your Pride and Joy

Send us pictures of your machine to include as a feature in future editions. If you include some information on the details of your machine or a short bio of yourself we'll also include this with your pictures. Brag about your aircraft!!

Events and Meetings

Next time you're at a fly-in or just out flying with a buddy, take some pictures and let us know about it. Have your club secretary send us your club news and tell us about your meetings. Send us names of new members so we can welcome them to our sport. We are interested in anything your club is doing.

Family News and Announcements

Our newsletter isn't just all about the machines, it's about the people of our region also. Any family news or announcements you want to share please feel free to send us so we can let everyone know.

Southwest Rotorcraft



Steve Weir Memorial Fund

The family of Steve Weir, with the support of the PRA, has set up a memorial fund in Steve's name. The funds will be used by the PRA for education and training. If you would like to contribute, please visit the PRA website's donation page, <http://www.pra.org/donation.aspx?i=48>, check "other" and put Steve's name in the box. Fill in the amount you wish to contribute, check the payment method, and hit "Donate", it's that easy.

If you can't, or would rather not contribute via internet, you can send a check to the PRA at:

PRA
Steve Weir Memorial
P. O. Box 68
Mentone, Indiana 46539

Make sure you clearly mark the check with Steve's name to assure the funds are deposited into the right place.

From The Editor

Last month I finally made my first trip to Bensen Days and all I can say is "Why did it take me so long to get there". Chapter 62 had a great presence at the event with eight members and two gyros. Members in attendance were: Danny Whitten, Mark Spies, Chris and Jim Toevs (with Tiggy-B), Stacy Maness, Don Bouchard (with his new creation), Keith Johnston, and myself. Chapter 26 presented us with a plaque in remembrance of Steve Weir, we can display it prominently and proudly in our hangar. It was such an enjoyable experience that I cannot wait until next years Bensen Days and once again, make the pilgrimage to Wauchula.

Next trip, Rotors Over The Rockies. This will complete my quest of making all the major events in one year since I made Mentone and El Mirage last year, but, I really hoping that Danny and I can make every one of them during the calendar year of 2014.

Until next month, fly safely.

Mike Grosshans, Southwest Rotorcraft Editor



Join/Renew Your Membership



We strongly encourage all of our readers to become members of the PRA. By joining you will be supporting the organization that promotes our sport by representing us to the FAA and assist them on making gyro flying available for all of us. The new PRA website has several members only benefits including: PRA's electronic Rotorcraft magazines along with past issues chocked full of great information and historical data, downloadable plans, and a PRA supported forum. Please join today, you won't be disappointed.

www.pra.org



PRA Volunteer Opportunities

The PRA is not a self-standing separate entity; the PRA is the expression of the effort by the members who donate some of their time to our wonderful sport. Please consider lending a hand by pitching in and volunteering for PRA activities like writing articles, helping at the convention or some of the following positions.

- **Web Content Editor**
- **Web Interface Programmer**
- **Manufacturer Information Ambassador**
- **Airport Activities Manager**
- **Web and Content Ambassador**
- **Advertisement Coordinator**
- **Social Media Ambassador**
- **Curator Volunteer for the *History of the PRA***

For info about any of these opportunities, email praglobalsupportteam@gmail.com.



Lone Star Rotorcraft Club



March Meeting

On March 15th, the March Meeting of PRA Chapter 62 was called to order by President Mark Spies. Members in attendance were Will Templeton, Stacy Maness, Dean Dolph, Danny Whitten, Bobby Munroe, Dan Carr, Mike Grosshans, Antony Thomas, Tim McCullough, Chauncey Surry, and Steve McDaniel. Visitors were Art Wilson, Victor Dvorak Jr, and James Dvorak. James brought his recently purchased Bensen to the hangar for the club to look over and help him with.

Danny presented the monthly Chapter bank balance. Danny also reminded the group that the 2014 dues are due and unpaid members will be dropped at the end of the month.

Satcy gave a presentation of the dangers of flying around wires and talked about avoiding the possibility of a wire strike.

New Business began with a reminder that Bensen Days is March 26—29, a few of the members discussed attending.

A brief discussion was held on the upcoming fly-in, the group agreed on this year's T-Shirts to be black. Raffle items were also discussed.

Training was the next topic. We may possibly be able to get Steve McGowan to come to Anahuac for training in the tandem Parson's, we are looking for commitments from the membership so we can let him know how many hours we are planning for. Tony will be presenting his first ground school at the next monthly meeting. Ground-school will be held in the FBO for one hour after lunch, the cost is \$10 per person.

The club workshop was discussed. First was a vote for the club to build four more work tables, Steve motioned and Bobby seconded with a unanimous vote for the tables. Next was for a vote for the club to purchase \$2,000 in equipment, Stacy motioned and Chauncey seconded with a 9—2 vote for the purchase. Dean also stated that a miter saw may be a good investment.

Project Reports: Dan is installing a new

Windshield, Bobby is beginning to taxi with the rotors, Steve has begun a two place build, Mark is working on his John Clark single place machine, Mike is installing a new exhaust on his KB3 build.

The meeting was adjourned. A chicken fajita lunch was provided by Keith, donations were accepted.

Next meeting is set for April 19th at Anahuac, Dean will provide lunch.





Texas Rotorcraft Association

March Meeting by Bob O'Dell



The Texas Rotorcraft Association met on March 22nd in the back room at Don Antonio's restaurant in Olney, Texas. Everyone enjoyed the buffet meal of spaghetti and meatballs and Parmesan Chicken. There were 10 members and 12 guests in attendance. Les Short gave an interesting report on his recent visit to Antarctica. It was summer there. After seeing Les's pictures, I am finding it difficult to see the rationality in the global warming theory. Les's wife, Bettyanne, gave an interesting power point presentation on the life cycle and migration of butterflies. She provided a live butterfly garden kit which was won in a drawing by Elizabeth Hawley. She also gave a kit to me. I now have 4 live caterpillars that are growing like crazy. They should go into the chrysalides stage in the next few days and will emerge as Painted Lady Butterflies about a week later. If you have children or grandchildren, you might want to consider getting one of these kits for them. If you are just curious like me, get one for yourself.

In attendance at the meeting were: Larry Neal, Bob Stark, Bob and Betty O'Dell, Les and Bettyanne Short, Roger Zwicker, Paula and Bryan Fair, Lawrence Ryan, John and Elizabeth Hawley, Tom and Barbara Purcell, Wayne Lowry, Ira McComic, Craig McPherson, Pam Voller, Burt Biermann, Andy Lancaster, Kyle Neal, and Craig Demere. The pictures you see were taken by Bob Stark and Ira McComic.

After the lunch and program, the group went to the Olney Airport and inspected the helicopter flown to Olney from Wichita Falls by John and Elizabeth Hawley. Craig McPherson, who is a light sport gyro CFI, brought his MTO Sport Gyro and gave flight lessons the rest of the afternoon. Ira McComic brought copies of his new book, **Light-Sport Gyroplanes**, and distributed them to members for his special, once in a lifetime, low price. If you don't know Ira, he is an author, pilot (with ratings in airplanes, helicopters and gyroplanes), and is a Certified Flight Instructor. If you are interested in a copy of Ira's book, you could probably talk him into selling you one. Ira's email address is imccomic@gmail.com.

On the day after the meeting, David D'Antonio, brought his newly built bi-plane to Olney for

inspection work from Bob Stark (see photo). It is a Fisher Flying Products FP-404 Biplane (see photo). It weighs 345lbs. and has a Polaris 500cc fuel injected engine producing 60 hp. The prop is a 64 inch GSC ground adjustable. The plane is constructed from wood and covered with 2.5 oz. Dacron using Stewart Systems covering adhesives. It cruises at 80mph, stalls at 40mph and burns 4 gph of fuel. David did a fantastic job on this plane. He says if you plan to build an aircraft from scratch, to add at least 4 times the amount of time they say it will take. David will have this plane at the next meeting for your inspection.

Word has just come in that Jay Carter and his crew did indeed take the Carter Copter to Sun-N-Fun. They flew from a nearby airport to SNF at the Lakeland Airport and orbited the field for about an hour before landing to the delight of a throng of onlookers and interested aviators. They also flew from Lakeland to McDill Air Force Base near Tampa where they were met by some enthusiastic, high ranking military personnel. Congratulations to Jay and his crew for the successful display of their fantastic flying machine.

The next meeting is scheduled for April 26, 2014, at Don Antonio's Restaurant in Olney, Texas at 11:30 AM. If you are not a member and join TRA (\$24.00) at the meeting, the meal will be **free**. If you are a guest and don't want to join, you can just enjoy the program and pay for what you eat from the menu.

The speaker for the next meeting on April 26th will be Mike Grosshans. Mike is the Editor of the Southwest Regional Newsletter. Mike is a Chapter 62 officer and will be talking about the benefits the chapter sees in having a newsletter. Come join us for the next informative and entertaining meeting. Gender is not a requirement and you don't necessarily have to be an aviator to enjoy our meetings, but be careful---gyros are addicting. If you are curious, you will like our meetings. If you think you might like to fly like a hummingbird, you will love our meetings. Building an aircraft that will propel you through the air at 60 to 100 miles per hour while sitting in an easy chair will satisfy the adventurous dreams most of us have. We plan to have some gyros flying when we go to the airport after lunch. Come out and have a look.

Chapter 78's March Meeting Pictures



Patrick Christine (left) preparing for a gyro lesson from Craig McPherson.



John and Elizabeth Hawley preparing for the return flight to Wichita Falls in their Schweizer CB helicopter.



Tom Purcell getting ready for his gyro lesson from Craig McPherson.



David D'Antonio displaying his just completed FP-404 biplane.



How the Painted Lady Butterfly should look when it emerges in a little over a week.

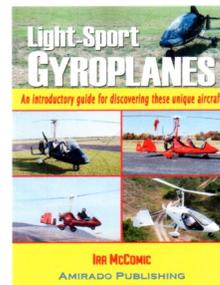


Our speakers, Les and Bettyanne Short (better known as Santa and Mrs. Clause), preparing for their migration back to Ohio.

Great Reading Material

Ira McComie's book, Light Sport Gyroplanes has just been released and is chocked full of great gyro information. It can be ordered at Amazon.com or CreateSpace.com.

I really enjoyed reading Short Hops by Shirley Jennings. This is a great book for beginners as it explains how gyros work and what to expect during your training. Ordering information for this book is on page 15



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Chapter 62 wishes to welcome it's newest members.

**David Tees joined us in March
Art Wilson joined us in April**

Welcome aboard, we're glad to have you with us and hope to see your achieve your dreams of flight.



Pelican State Rotor Club



Bastrop 2014

Rudy Graffeo

Saturday the 5th of April PRA Chapter 20 had our first meeting for 2014. We had it at Louisiana Regional Airport in Gonzales, LA. The turnout was not that great due to the weather and several other things happening. The weather forecast called for a 60% chance of thunderstorms & rain. We lucked out with the rain holding off until after 5pm, but the winds were blowing about 12mph with a 90 degree cross wind on the runway. Right now the runway is being extended to 5000 feet but due to the construction its cut down to 3000 feet.

Bill Wieger was the only Chapter 20 member that trailered his gyro to Gonzales. Scott Borderlon, Terry & Debbie Young, Paul Juneau & his wife and Hugh Cavalier all drove over for the day. Paul and Scott did not bring their gyros due to the weather forecast. Terry has his gyro

under construction.

At the airport, a T hanger is shared by 3 Chapter 20 members. Rudy Graffeo's RAF2000, Kirk Grover's Jakenator gyro and Mark McDonner's Snobird Tandem along with his new Sparrowhawk. Mark will be putting his Snobird gyro for sale soon. Bill and Mark flew several times and Rudy once after lunch.

Lisa Graffeo prepared lunch which consisted of Lasagna, salad, rolls and brownies. After everyone ate we had an impromptu meeting about the dates and places for our next meets. We decided to have a spring meet at the Opelousas Airport on Saturday the 17th of May and our fall meet with PRA Chapter 6, at the Bastrop Airport on Saturday the 25th of October.



Flight From San Antonio to Tampa in My MTO

by Dane Hauser, CFI

First off, thanks so much to Mike and the guys at Anahuac for the hospitality and letting me place my bird in their hangar the first night! I flew commercial from Tampa to San Antonio on Wednesday, drove out to the airpark to check out the MTO and close the deal. I took off in the afternoon and it was 22 gusting to 30+ knots all afternoon so I had a about a 20 knot head wind. I was flying about 80 knots making 60 so I got into Anahuac right at dark. I rode the bike down and got some BBQ along with an extra sweatshirt at Dollar Tree 'cuz it was a good bit colder than I had planned. I slept on the love seat in the FBO and then waited for the temps to hit 40° before taking off for a stop at Gonzales and then on to Destin.



I followed the beach most of the way so I've pretty much flown the entire gulf coast from Texas to the Everglades in Florida. There were some dicey areas of swamp land in LA along with some really beautiful beach flying. I spent the night in Destin with some really good friends and then Friday was a night flight along the beach to Apalachicola and around the coast to Clearwater. The highlight of the trip was flying through Tyndall AFB where there were about seven Raptors flying various missions. You can see two of them just after take off in one of the photos. ATC had me remain below 500' right above the beach and one Raptor crossed my nose about 900' close enough for me to see his helmet. I felt like one of the bogies on their mission.

Some of this flight was really fun but the cold-along with long days-had me watching the GPS counting off the miles just wanting to get home. Thanks again for those who helped me accomplish my mission!

Dane

TEAM TOEVS

Second Spring Pilgrimage to Wauchula Florida for Bensen Days 2014 March 21st

Camper loaded and stocked, gyro trailer serviced, gyro tools, and much paraphernalia on board for the 3,000 + mile trip that lays ahead. Friday dawn; Jim Chris and Bonzer dog were headed to Anahuac Texas. After twelve hours on the road we pulled up to the Chapter 62 hanger and set up the sleeping room for Jim to get a good night rest in the gyro trailer.



Next morning was plenty of activity as club members arrived to fly and work on gyro projects. Jim had charged the Tiggy-B batteries overnight but when he tried to spin up rotors there was no drive between lower and upper pre-rotator chains. The connecting sprag clutch was discovered to be malfunctioning and a complex process of removal began, thankfully there was LOTS of great help.



The modified key connecting drive bolt to clutch had sheared and upon dismantling, an appalling discovery of a rinky-dink "shimming" of the square key using a loop of safety wire underneath by the original builder of the machine was made!



Several members spent a lot of their time trying to assist Jim to get it up and running again, Mike Lutrell went to great lengths to drive home to machine a new special key which the team was so thankful for his generous and determined help. The day ran out and all best efforts to reassemble the clutch were in vain. With Bobby Monroe's detailed drawing of assembly components in hand to help with eventual re-assembly they removed loose parts, broke down and boxed the rotors, folded the mast, and got ready to load up and clear their gear out in the morning.



Mike G. and Danny showed up to help load Tiggy-B the next morning and the team was on the road; 1,000 miles and sixteen hours ahead of them to Wauchula. Saturday had been a perfect calm day at Anahuac to do planned runway testing, but now that had to wait and see if test pilots and conditions at Wauchula would allow any testing progress after repairs were completed.



Twelve hours on the road Sunday, some sleep at one of the magnificent Florida I-10 rest stop



havens near Tallahassee, and an hour before dawn they were rolling again. Six hours to go to Wauchula.

In the last hour, another gyro on a trailer ahead, they were getting close!

Great excitement pulling into the Wauchula airport campgrounds; they were well occupied already. The weather was threatening showers so they hustled to get parked, Tiggy-B unloaded, gyro trailer organized and converted to camp-room, and a protective canopy for gyro assembled with most excellent help from Carl S. with the pickup/camper positioned and connected to power. They had requested a central located powered-site and it was on the edge of the camp block, good thing as lots of space was needed. The heavy rain showers held off until they were all set up, thankfully.

The afternoon was spent enjoying catching up with old friends and meeting new ones; lots of hanger flying and listening to the drum-beat of rain on roofs. The hot showers were most welcome too.

Craig and his helper Pam, arrived in the down-pour; one more MTO was squeezed into the "Autogyro" hanger!

Tuesday was mostly overcast, low ceiling and showery rain on and off. The enclosed gyros, Xenon IV and Tercel, were seen flying a bit. A few hardy souls took advantage of a brief break between showers and took to the skies.

Lots of time to socialize and look at many gyros in the various hangars. Chris met Leigh, Peter, and the others of Brit delegation! Tim H and Tommy May set up their motorhome next to them, the camp was filling up quickly.

Wednesday was sunny and perfect. Chris got a lesson with Craig in his new MTO Sport with the Ronnie Smith modified 912 ULS - X, the extra HP really kicks and it needed a bit more rudder than she had become used to on take-off.

Jim had good help and advice from several on the repair of his pre-rotator sprag clutch, eventually it was fixed and all reassembled and tested. Next the always aggravating chore of getting the rotors bolted up. More help was accepted to get them up on the mast and secured, then the



raising up with the hydraulic ram.

Showers were back on Thursday, Friday, Saturday but there were decent breaks that allowed for some flying and instructors to train and do intro flights. There were a good number of gyros out on the lot and flight-line.

Thursday evening most everyone joined the exodus to dine at Solomon's Castle, very interesting place out in the middle of nowhere. Friday the seafood feast at the Moron's hangar was a big highlight, annoyingly, Chris missed most of the social -party and video show to attend the PRA board meeting and give her brief Chapter Coordinator's report.

On Friday Vance, Norm, and Chris began their judging duties to determine the recipients for the awards. She enjoys doing the rounds, taking a close look at many different styles of gyros with Vance; always learning a lot from seeing how others build and problem solve. Having to rate each gyro on thirteen different points makes one take a much closer analytical look than the usual casual walk around.

Saturday morning was the much anticipated test run of Tiggy-B with Chap 62's Danny & Chap 26's Greg brave gyro-testers on board. A couple of solid runs balancing-on-mains and then a low hop, some more control adjustments were needed. Unfortunately the winds on Sunday morning were not right for further testing.

The judging was completed and the awards list finalized. All the flying and contests; egg drop, spot landing, and demo fly-bys, were in a race against the next round of rain coming in. It was hard to believe how fast the week went by. On arrival there were five and a half glorious days ahead to enjoy, Wednesday was fine and great fun, still only half way, all of a sudden it was Saturday and with the banquet finale, it, was all over with campers pulling out, heading home.

Sunday was sunny and a magnificent encore for those that hung around, the much anticipated arrival of Claudius and Robert in the Aircam and gorgeous Arrowcopter! More great flying. Chris got two more lessons with Craig. Those that were staying on for Sun and Fun week were shuttling their gear and camps up north. The Toevs lingered enjoying visiting with some latecomers then packed up, loaded up, and began the long

trip home to Kansas. Again overnight camp in the Tallahassee area, then just short of Dallas next night and finally home mid afternoon Tuesday.

Huge thanks to the Chapter 26 club members and "Wauchula morons", a lot of hard work pulled off a great and smoothly ran event under the able leadership of Gabor. Drama free, incident free, safe, and fun, despite the on-off weather. Facilities were first rate, the food catering by Angie and family was excellent.

Chris Toevs

We look forward to the 2015 Bensen days and expect the weather will improve to allow more of the planned event highlights to happen.





CENTRAL TEXAS ROTORCRAFT CLUB

March Meeting
Paul Erb



Chapter 65 met on 3/7/14 and had four in attendance.

Preliminary discussions for our fly-in at the end of June. That weekend will also be the Luling watermelon Thump, so there will be other activities going on in Luling at that time! More information on their website: <http://www.watermelonthump.com/>

We are going to coordinate activities with the other Luling airport residents: Thermalriders and the Lonestar Parachute Center.

We discussed logo changes and gyro build activities.



Second Annual Fly-In

Chapter 65 will be holding its second fly-in, June 28th at Luling Carter Memorial (T91), Luling Texas



Rotary Wing Forum
A Meeting Place for Rotorheads

Forum Talk

Bensen Days Pictures

Here are some great collections of Bensen Days pictures

Scott Essex: <http://www.rotaryforum.com/forum/showthread.php?t=40407>

Stan V: <http://www.rotaryforum.com/forum/showthread.php?t=40373>

Tim Chick: <http://www.rotaryforum.com/forum/showthread.php?t=40333>

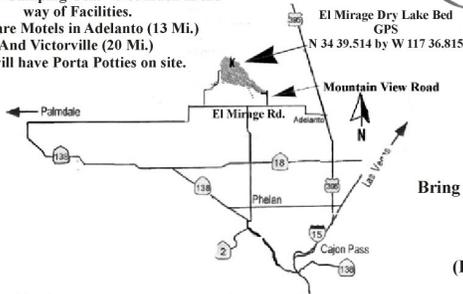
Tom Gyro: <http://www.rotaryforum.com/forum/showthread.php?t=40347>





Ken Brock Freedom Fly-In
 Hosted by PRA Chapter 1
El Mirage Dry Lake
 El Mirage, CA
 September 26th-28th, 2014

Bring your Camping Gear - Not much in the way of Facilities.
 There are Motels in Adelanto (13 Mi.)
 And Victorville (20 Mi.)
 We will have Porta Potties on site.



Bring Money - B.L.M. Entry Fee to Lake:
 \$15/Day - \$30/Week
 (B.Y.O.G.!!!)
 (Bring Your Own Gas!)

Directions:
 From I-15: Take 395 to Adlanto, turn West on Rancho Road, RT on Koala Road, LT on El Mirage Road. Go West 8 miles to Mountain View Road, RT to the B.L.M. Center for Lake access. Go to far Northwest end & look for Gyros! (GPS coordinates will help pinpoint location).
 From I-5: Take Hwy 14 to East Palmdale Road and head East, LT on Ave 240, RT on Ave P / El Mirage Road. LT on Mountain View Road to B.L.M. Center for Lake access. Go to far Northwest end & look for Gyros! (GPS coordinates will help pinpoint location).

Friday Night Dinner (\$15 Donation)
 Followed by Evening Gathering on Lakebed
 (Gyro Themed Movie Night!)
 Chapter 1 provides utensils and plates for Friday Night Dinner

Cookout Saturday Night!

Please bring your OWN MEAT to cook on our Club Furnished FREE fire.
 The Club furnishes: FREE Salad - Beans - Bread - Water & Soda

For More Info:
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Pioneer Flight Museum, May
 3rd—AIR Fair
<http://pioneerflightmuseum.org/news/>

THE Heart Of TEXAS AIRSHOW
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 SATURDAY, SEPTEMBER 27, 2014
 TSTC Campas Airport (KCNW) - Waco Texas



AOPA FLY-IN
 2014
 San Marcos, TX
 San Marcos Municipal Airport (HYI)
 April 26, 2014

11th Annual Center Fly-In
 May 17, 2014
 Center Municipal Airport
 397 FM 1656, Center Texas

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FOR SALE

Classified are free, just send some pictures and a description along with your contact information to mike484@aol.com and we will post whatever it is you have for sale, trade, or looking for.

Chapter Patches



If you would like to get a chapter patch for your flight suit, favorite shirt, ball cap, or just whatever you want to stick it on, contact:

Chapter 20; Rudy Graffeo at RLGraffeo@eatel.net
Chapter 62; Danny Whitten at dannywhitten@embarqmail.com



CHAPTER SHIRTS

Chapter 62 has two styles of T-shirts available, if you are interested please contact Danny Whitten. He has these available for purchase at the meetings. They are \$15 each



- Transponder, mode C with altitude encoder never used—\$1,000
- Kenny J Stab, fitted for RAF - \$500

Contact [Michael Stone](mailto:Michael.stone@mustangeng.com)
Michael.stone@mustangeng.com
713-350-7666 (w)

Bensen Gimbal Head

Early style head that uses Heim bearings for pitch, rather than the solid blocks. I bought this straight from Bensen, less than ten hours, new main bearing because of age. \$400 Contact Jim Edwards at 479-747-4323 or jimedwards200@gmail.com



GYROS FOR SALE

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E-Mail: dayton@lonestarmagnigyro.com Taylor, Texas 76574

For Sale by Ron Menzie

KB3 that I had have for several years. has about 350 hrs. Rotax 532, pre-rotator, hydraulic front disc brake, rotor brake, dragon wing rotors, buit in prop balancer. This is a true ultralight, I think its empty weight is approximately 248 lbs. \$10,000.

Air Command for sale is quite new with a 148 hours total. It also has a flex shaft pre-rotator, hydraulic main wheel brakes, rotor brake and its power is a 503 Rotax, pull rope start. \$11,000.

Also have one more RAF, Fuel injected Subaru, 350 hours total, has never been damaged. \$24,000.

Ron Menzie, ronsgyros@gmail.com, (501) 766-6456, ww.ronsgyros.com. Located in Searcy Arkansas



Air Command

Rotax 582ul DCDI Model 99 with electric start.
25 foot dragon wings
high torque pre-rotator
9 gallon seat tank
RK Clutch on the Warp Drive 68" 4 blade prop
EIS Model 2000 control panel
Rotor Brake
Shine plated muffler
am asking \$15k but will consider all reasonable offers. Rex Byrns, 361-655-4987, Call any time if you have any questions.



RAF 2000

Subaru 2.2 Carbureted, 30Ft RAF Rotors, Built in 2006, Cabin Heat, Pitch and Roll Trim, Belt Driven Pre-Rotator, Carb Heat, Rotor Tach, Engine Tach, Altimeter to 20,000 Feet, Air Speed Indicator. **Reduced to \$29,500.**

Contact: Thom Francis, email thomefran@netscape.net, phone 870-403-2888. Located in Gurdon Arkansas

Modified Bandit airframe, center line thrust, HKS 65 HP oil cooled engine very low hours, 64 in warp drive ground adjustable prop, Ken Brock rotor head, no pre-rotator. Has fly wheel on rotor head. No brakes, has a set of 24' Rotor Dynes new still in box, 12 gal seat tank. \$8,000.00 or best offer! Contact Don Bouchard 979-777-5166



Luling, Texas

Bensen, has the McCullough 72 just put a new cylinder and piston and rings and a starter kit on it also 10ft 3 in rotors with a 24 inch hub bar. \$5,500, may have a small trailer to throw in if needed, ready to fly. Contact Hoppy at 512- 488-2440

Aggressor, Plans Built

27' Dragon Wings, 1982 1.8 Turbo Bratt engine, Tennessee prop, Aggressor air frame. Also have a 2.2 Legacy engine included. \$8,000 Gyro is located at the PRA headquarters in Mentone.

Contact John at johngillmore1959@yahoo.com or 317-840-2697



CLT Air Command

Asking \$6,000 or best offer. Contact Ed Moreland at 832-496-7306 or emreland55@gmail.com

Snowbird Avenger Tandem Gyroplane Kit

Has a Honda Cam engine with Mikuni carb. 115 HP.
\$16,500.00

Contact Mark at 225-936-3527 or mmcdonner@bellsouth.net



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LOUISIANA

James Chowns Bastrop, LA

James trains in a tow glider at the Morehouse Memorial Airport (KBQP) in Bastrop. This is a great training aid for anyone just entering training in gyros. This was the way training was done before the two place trainers.

gyrochowns@yahoo.com

OKLAHOMA

Paul Patterson, Edmond Oklahoma

Paul trains in a modified RAF at the Guthrie/Edmond Geoport (KGOK). His RAF includes both a stabilator and a horizontal stabilizer.
405-826-8443
PaulPatterson1@cox.net

ARIZONA

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