

THE SEPTEMBER CLUB MEETING WILL BE HELD AT THE NORTH LAKES PARK RECREATION CENTER ON TUESDAY, SEPTEMBER 16, 2008 AT 7:00 PM

Welcome to New Club Member!

Greg Ammon

EDITOR'S NOTES

Thank you to **Beauf Lancaster** and **Darren Hook** for their contributions to this month's Newsletter!

The deadline for submission into the current month's newsletter is the "Monday before the 2nd Tuesday" of each month. This is necessary in order to accommodate lead times in publishing, printing, and posting before the meetings on the 3rd Tuesday (subject to change for meetings scheduled on different days).

Deadline reminders will be sent by email only.

Submissions received after the deadline will be published the following month.

Thank you,
 John Larsen
 email: jrlarsen@verizon.net
 phone: 972-539-8576
 address: 912 Mallard Way
 Flower Mound, TX 75028



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HOW TO GET THE BEST PERFORMANCE FROM YOUR FUTABA 2.4GHZ FASST AIRCRAFT RECEIVERS

submitted by Beauf Lancaster

Every R/C pilot learns by experience what methods work well for installing and maintaining radio equipment. At the same time, we also want our aircraft to have the advantage of up-to-the-minute technology...which means that every now and then, we must master some new techniques.

Spread spectrum radio technology offers the perfect example. When Futaba® introduced 2.4GHz FASST radio equipment, R/C hobbyists quickly jumped to the front of electronic technology's cutting edge. Not surprisingly, those new, state-of-the-art 2.4GHz receivers have significant differences compared to old 72MHz units. So it's time to change a few old habits.

Below are some recommendations for updating the way you install and maintain radio gear. Make them a part of your routine, and you'll enjoy the best performance from your 2.4GHz FASST radio gear.

1. Don't wrap your FASST receiver in foam.

Protecting your receiver from vibration by wrapping it in foam used to be a "must". Not so with 2.4GHz FASST receivers. Unlike 72MHz equipment, they're not as vulnerable to vibration. Using less foam lets them operate cooler - which is a plus for all electronics.

Tip: To keep the receiver cooler use small foam blocks (like standoffs) so that there is an air channel around the receiver.

2. Shade your model from sunlight when not flying.

Clear canopies expose the radio compartment to direct sunlight which results in additional heat in the model interior. This causes no problems during flight, but makes shading your model on the ground very important. Cover the canopy with a white towel; or better yet, park your airplanes in the shade. This will help keep the electronic components cool.

Tip: It is important to note that lighter covering colors will absorb less heat whereas darker colors will absorb more heat.

3. Mount your FASST receiver away from heat sources.

We had to avoid mounting 72MHz receivers near anything that might produce RF noise. That's not as much of a concern with 2.4GHz FASST receivers - you should instead make sure that you're mounting the unit in the coolest part of the radio compartment.

Stay away from the muffler exhaust, battery packs, regulators or any other heat source. We also recommend that you use the receiver's long, narrow side as its base (rather than mounting it with the bottom flat against the radio compartment floor). Secure the receiver using a Velcro® strap or gel tape.

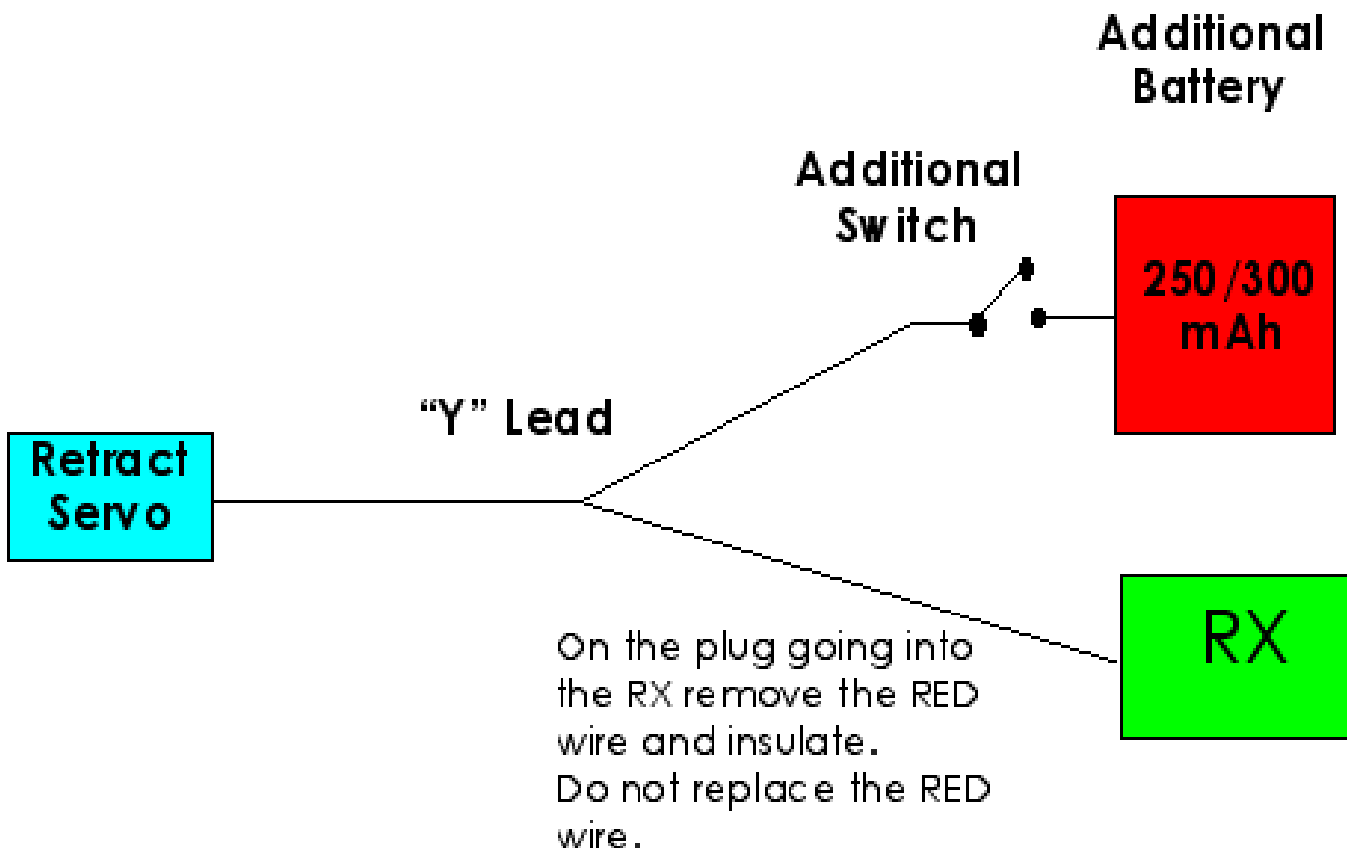
We hope that these tips help you with your 2.4GHz FASST receiver installation and maintenance. If you have any questions, please let us know. Just contact us at the Futaba Service Center, by e-mail at: service@futaba-rc.com

OPERATING THE RETRACT SERVO ON A SEPARATE BATTERY.

submitted by Darren Hook

To give yourself added security, mechanical retracts can be operated on a separate battery to prevent the retracts from stalling the servo and **draining the receiver battery**.

Here is a simple wiring diagram which enables mechanical retracts to operate on a separate battery. The live wire from the RX is removed from the plug and insulated. Power to the retract servo is then drawn from the additional battery, with the RX battery unaffected by any excess current loads from a possible stalled servo.





The Golden Triangle
Radio Control Club
Grand Prairie, Texas

(on Joe Pool Lake)

Presents:

A Big Bird Fly-In

Saturday October 18, 2008

Got a monoplane with a span more than 80", or a biplane spanning more than 60", powered by fuel or battery ??? If so, come join the fun of flying from our dual 50' x 550' runways (petromat and grass).

Landing fee of \$20 includes pilot's lunch. Awards for Best Monoplane, Best Biplane, and Pilot's Choice. Plenty of 'free' parking. Spectators are welcome.

Gate opens at 8:00AM – AMA required to fly – AMA sanction #08-0353
Site: Fulton Field CD: David Cash 817-274-9448 ham2405@yahoo.com
GTRCC website: www.gtrcc.org (maps to field are on website)

Directions: From I-20 take Hwy 360 south ~5 miles to Broad St., turn left and cross north 360. From Hwy 287, go north on Hwy 360 to Broad St. and turn right. Go 1 mile and turn right on Day Miar, go 1 mile and turn left on Seeton Rd., gate is straight off Seeton at the curve.

The following restrictions apply:

1. Transmitters will be impounded
2. Single conversion receivers, JR included, are discouraged due to possible rf glitches.

UPCOMING EVENTS - NORTH AND CENTRAL TEXAS

A comprehensive list is available at the AMA District VIII website www.ama-dist-8.org

SEP 19-20--Monaville, TX (C) B-17 Gathering & Scale Big Bird. Site: Bomber Field GPS: 29.93937, -96.0594. Events: Sponsor: Bomber Field, Inc. #2307. CD: Nick Stratos, 10003 Rocky Hollow, LaPorte, TX 77571. Phone: 713-857-4108(day) 281-471-6762(eve) E-Mail: nls1941@comcast.net

SEP 19-21--Mount Pleasant, TX (C) Southern Rotary Classic #22. Site: Lake Bob Sandlin Site. Sponsor: Northeast Texas R/C Club #866. CD: Weldon Freeman, P.O.Box 251, Mt. Pleasant, TX 75456-0251. Phone: 903-577-6544(day) 903-572-6931(eve) E-Mail: freeman@wb4me.com

SEP 20--Lucas, TX (C) Richardson TX RC Combat. Site: Club Field GPS: 33.107047, -96.5206. Events: Sponsor: Richardson RC Club #623. CD: Ed Kettler, 6725 Grant Lane, Plano, TX 75024. Phone: 469-867-7981(day) E-Mail: ed.kettler3@verizon.net

SEP 20--San Antonio, TX (A) Open Soaring Contest. Site: Club Field GPS: 29.4735888, -98.2121333. Events: 444 (JSO) Sponsor: Heart Of Texas Soaring Society #2203. CD: John Barton, 3618 Windy Ridge Court, San Antonio, TX 78259. Phone: 210-481-9792(day) 210-481-9792(eve) E-Mail: jasbarton@sbcglobal.net

SEP 20--Benbrook, TX (C) Bi-Plane Bash. Site: Thunderbird Field. . GPS Coordinates: 32.6391194, -97.4723583 Events: Sponsor: Ft. Worth Thunderbirds #1217. CD: Robert Hoover, 122 Danielle Drive, Weatherford, TX 76086. Phone: 817-614-0056(day) 817-614-0056(eve) E-Mail: roberthoover@uwmmail.com

SEP 20-21--Aubrey, TX (AA) 25th NDRCC Pattern Classic. Site: Eagle Field GPS: 33.41185, -104.553. Events: 401-404 & 406 (JSO) Sponsor: North Dallas Radio Control Club #1238. CD: David Cotton, 1901 Paris Ave, Plano, TX 75025. Phone: 972-816-8034(day) 972-517-2752(eve) E-Mail: davecotton@ti.com

SEP 27--Weatherford, TX (C) WAMS Fall Float Fly. Site: Sunshine Lake, Cartwright Park. Events: Sponsor: Weatherford Aero Modeling Society #2267. CD: Verne Bell, 1805 Greenwood Cut Off, Weatherford, TX 76088-8613. Phone: 817-599-9580(day) 817-599-9580(eve) E-Mail: vernebell@intergate.com

SEP 27--Tyler, TX (C) Tyler Big Bird. Site: North Side City Park. Sponsor: Tyler Modelers Club #960. CD: Herbie Hobbs, 17915 CR 134, Flint, TX. Phone: 903-839-2460(day) 903-839-2460(eve) E-Mail: herb91834@aol.com

SEP 27-28--Seagoville, TX (C) DEAF 22. Site: Club Field GPS: 32.81, -96.665278. Events: Sponsor: Dallas Electric Aircraft Flyers #2333. CD: Chris Vanderbilt, 724 Paisley Drive, Flower Mound, TX 75028. Phone: 972-539-4454(day) 972-539-4454(eve) E-Mail: chris.vanderbilt@gmail.com

OCT 03-05--Austin, TX (C) Fall Heli Fun Fly. Site: Lester Field. GPS Coordinates: 30.32403966189, -97.603406597433 Sponsor: Austin RC Association #877. CD: Robin Masac, 107 Evergreen Street, Elgin, TX 78621. Phone: 512-281-3778(day) 512-281-3778(eve) E-Mail: arca@austin.rr.com

OCT 04-05--Dallas, TX (AA) Fall Stunt Clinic & Contest. Site: Dallas Samuell Hobby Park. GPS Coordinates: 32.866894813795, -96.671481808784 Events: 323(J)(SO); 324-326 (JSO); P-40 (BIAE) Sponsor: Dallas Model Aircraft Association #1902. CD: Phillip Nickles, 6640 Champion, Midlothian, TX 76065. Phone: 972-223-2311(day) 972-723-2311(eve) E-Mail: DebbieNickles@sbcglobal.net

OCT 04-05--Kingsbury, TX (C) 8th Annual J.H. Rice Memorial Fly-In. Site: Kingsbury, TX. GPS Coordinates: 29.6343667, -97.811 Events: Sponsor: Tri-City Flyers #850. CD: Gary Rice, 9626 Turquoise Creek, San Antonio, TX 78254. Phone: 210-286-2717(day) 210-286-2717(eve) E-Mail: gricemdb@aol.com

OCT 04-05--Mansfield, TX (C) Texas First E-Jet Rally. Site: Hawk Field. GPS Coordinates: 32.542766, -97.14021 Events: Sponsor: Hawk Field Flyers of Texas #3369. CD: Ronald Cloyer, 2106 Avalon Lane, Arlington, TX 76014. Phone: 817-680-6227(day) 817-680-6227(eve) E-Mail: ejetrally@hawkfield.org

OCT 10-12--Austin, TX (C) HCAM Big Bird. Site: HCAM DeClairmont Field. GPS Coordinates: 30.167533, -97.8073 Sponsor: Hill Country Aeromodelers #1364. CD: Bobby Yount, 12413 Mossback Cove, Austin, TX 78739. Phone: 512-497-0667(day) 512-497-0667(eve) E-Mail: byount@austin.rr.com

OCT 11--Seagoville, TX (C) (C) Scale. Site: Club Field. GPS Coordinates: 32.6436333, -96.575967 Events: Sponsor: Dallas RC Club #609. CD: Willie Ross, 222 Burkwood Drive, Rockwall, TX 75032. Phone: 469-698-9619(day) 469-698-9619(eve) E-Mail: wa50p0@att.net

OCT 12--Lake Dallas, TX (C) Float Fly. Site: Lake Dallas GPS: 33.123461, -97.015191. Sponsor: Falcons of Lake Dallas #1949. CD: Butch Mallam, 3337 Pine Tree Court, Farmers Branch, TX 75234. Phone: 972-247-7611(day) 972-247-7611(eve) E-Mail: gerald-sanders@tx.rr.com

OCT 17--Allen, TX (A) TNT RES. Site: Southfork Ranch. GPS Coordinates: 33.0437416, -96.6047 Events: 460 (JSO) Sponsor: Soaring League of North Texas #1957. CD: Julian Tamez, 2404 Whitney Lane, Grapevine, TX 76051. Phone: 817-504-7691(day) 817-504-7691(eve) E-Mail: julian@channel1sfx.com

OCT 17--Allen, TX (A) TNT Hand Launch. Site: Southfork Ranch. GPS Coordinates: 33.0437416, -96.6047 Events: 441 (JSO) Sponsor: Soaring League of North Texas #1957. CD: Tim Bennet, 138 Sandy Oak Lane, Coppell, TX 75019. Phone: 214-850-9605(day) 972-462-0784(eve) E-Mail: timben@verizon.net

OCT 18--Aubrey, TX (UnSanc) NDRCC All Scale Fly-In. Site: NDRCC Eagle Field. GPS Coordinates: 33.240492, -96.938177 Events: Sponsor: North Dallas R/C Club #1238. CD: Douglas Jones, 3106 Bellflower Lane, Carrollton, TX 75007. Phone: 972-461-6536(day) 972-394-4332(eve) E-Mail: aeroc@verizon.net

OCT 18--Allen, TX (A) Texas National Tournament. Site: Southfork Ranch. GPS Coordinates: 33.0437416, -96.6047 Events: 444 (JSO) Sponsor: Soaring League of North Texas #1957. CD: Barry Kennedy, 1935 Highvalley Trail, Grand Prairie, TX 75052. Phone: 972-602-3144(day)

(Continued on page 7)

UPCOMING EVENTS - TEXAS (CONT.)

(Continued from page 6)

972-602-3144(eve) E-Mail: bkennedy@kennedycomposites.com Web-Site: www.slnt.org Southfork Ranch, Gate #4, TNT - Open Class

OCT 18--Kingsbury, TX (C) Tri City Flyers 1st Annual Electric Fun-Fly. Site: Old Kingsbury Aerodrome. GPS Coordinates: 29.638221081512, -97.813409775152 Events: Sponsor: Tri City Flyers #850. CD: Andy Clapp, 419 Canterbury Lane, Converse, TX. Phone: 210-430-8169(day) 210-658-8798(eve) E-Mail: zbra54@sbcglobal.net

OCT 18-19--Dallas, TX (AA) Fall Finale Speed & Carrier. Site: Samuel Hobby Park, Northwest Hwy & Garland Rd, Dallas, TX. GPS Coordinates: 32.866894813795, -96.671481808784 Events: (301-309), (310-321) - Speed and Carrier 1, II and Profile flown Record Ratio; NASS Sport Jet. Sportsman Carrier, .15 Carrier All events (JSO) Sponsor: Dallas Model Aircraft Association #1902. CD: Patrick Hempel, 304 Becky Lane, Rockwall, TX 75087. Phone: 972-841-8766(eve) E-Mail: ptrckhem@aol.com

OCT 24-25--Kingsbury, TX (C) Warbirds Over Kingsbury. Site: Old Kingsbury Aerodrome. Sponsor: Tri-City Flyers #850. CD: Alan Yendle, 3916 Glengarry Drive, Austin, TX 78731. Phone: 512-964-2881(day) 512-374-0782(eve) E-Mail: flyby13@sbcglobal.net

OCT 25--Mansfield, TX (C) 4th Annual Tailgate Fly-In. Site: Hawk Field GPS: 32.542766, -97.140214 . Events: Sponsor: Hawk Field Flyers #3369. CD: Ron Colyer, 2106 Avalon Lane, Arlington, TX 76014. Phone: 817-680-6227(day) 817-680-6227(eve) E-Mail: rcolyer2011@yahoo.com

OCT 25--Aubrey, TX (C) North Dallas RC Combat. Site: Eagle Field GPS: 33.240492, -96.938177. Events: Sponsor: North Dallas RC Club #1238. CD: Ed Kettler, 6725 Grant Lane, Plano, TX 75024. Phone: 469-867-7981(day) E-Mail: ed.kettler3@verizon.net

OCT 25--San Antonio, TX (A) HOTSS RES & Upstart (HL). Site: Ingram Field GPS: 29.4735888, -98.2121333. Events: 441 & 444 (JSO) Sponsor: Heart Of Texas Soaring Society #2203. CD: Willis Van, 1701 Ennis Joslin Apt. 1014, Corpus Christi, TX 78412. Phone: 210-385-6447(day) E-Mail: wvan001@yahoo.com

OCT 25-26--Benbrook Lake, TX (AA) Cowtown IMAC Regional Championship. Site: T-Bird Field. GPS Coordinates: 32.6391194, -97.4723 Events: 411, 412, 413, 414, 415 (JSO) Sponsor: Fort Worth Thunderbirds #1217. CD: Rick Byrd, 2544 Creekwood Lane, Ft. Worth, TX 76123. Phone: 817-291-7752(day) 817-294-2048(eve) E-Mail: rkbyrd@sbcglobal.net

TIPS AND TRICKS

Cooling Your Engine

If your engine is running hotter than you would like, how can you cool it down? Most people make the mistake of thinking more is better when it comes to the air inlet at the front of the cowl. This is a common error and, while it seems logical, the reverse is actually true. To properly cool your engine, you need more outlet, not more inlet. You want at least 2:1—preferably 3:1—air out to air in ratio. Otherwise, it makes a dam and the air cannot come into the cowl because it has nowhere to go out of the cowl. If your engine is not cooling properly, try blocking off the other air inlet or opening the belly of the cowl further.

Wing/Tail Alignment

Get an old telescope antenna (the same type as found on transmitters). Use it as an adjustable-length measuring rod to compare critical measurements on airplanes during construction. This can help you compare the distance from one wingtip to the stabilizer and to make sure this distance is equal on both sides of the airplane. This ensures that the stabilizer is parallel to the wing.

—*Both from the South Bend Radio Control Club, South Bend, Indiana*

Soldering Advisories

Someone suggested that the use of a soldering gun was safer than other types because it would not roll off the workbench and burn you. It should also be mentioned over and over that soldering guns have a very strong alternating current magnetic field around the tip. When brought in proximity to electric motors and servos, this magnetic field de-gausses (demagnetizes) the magnets inside the motors and servos and causes permanent damage.

I have seen several people come to the flying field with a new electric-powered airplane that does not have enough power for flight. When asked if they soldered the wires to the motor with a soldering gun, the answer is usually “yes.”

Also you should never stick the tip of a soldering gun into the airplane's radio compartment while soldering pushrods and etc. as it will presently damage the motors inside the servos.

If you must use a soldering gun, you should stay well away from electric motors and servos, meaning at least 24 inches just to be safe

—*From the Rogue Eagles RC Club, Medford, Oregon*

ITEMS FOR SALE

- Vintage WWI monowing fighter - needs some work \$25

Contact Chris Phillips 940-482-7299

- Sig Kadet Seniorita with engine, radio, and field equipment.

Lots of building equipment and other stuff also available!

Contact
JW Henson at
214-454-1369 for more info.



- Hobbico Electristar 63" electric trainer - no motor, ESC, batteries, or radio equipment, plane only. Only a dozen flights, no damage, flies itself! - \$40

- Futaba T4EXA transmitter with 7-channel dual conversion receiver and crystals - \$50

Contact Jason Reeder at 214-545-8586.



- Great Planes CAP580 and Hangar 9 Pizazz combo for \$500.

2 airframes complete with their own servos, along with one Saito 82 (currently mounted on the CAP), one Futaba receiver, and one receiver battery all of which can be easily moved between the airframes.

The engine has very low time and comes with the original box and both airframes are in excellent condition. Also includes 6 additional and varied size props for different flying styles.

Contact Bob Kramer
bobkra@hotmail.com

972-869-9313



TIPS AND TRICKS (CONT.)

(Continued from page 7)

Those Handy LEDs

Those ubiquitous light emitting diodes (LEDs) are so handy they need to be used in even more places. Every RC transmitter should have a prominent red one on its faceplate to greatly reduce the incidence of switches being accidentally left on. And you can also use one exposed up front in your ship to assure that your receiver is or is not turned on. All you have to do is plug one into an unused channel on your receiver. And for the coil protection on a spark ignition system, a red "on" LED up front is useful as well. Not all wall chargers have them but they should! Dubro Ni-Starter chargers have handy LEDs, but for some reason I've had two of them fail. The chargers still work, but the LEDs stutter and kick off. Disappointing.

—*The Central Coast chapter of the Society of Antique Modelers, California*

DOES RADIO CONTROL FLYING QUALIFY AS EXERCISE?

From the Eglin Aero Modellers, Fort Walton Beach, Florida

Is the flying of Radio Control aircraft considered adequate exercise? Arguments for and against are described below.

1. Almost every flier gets up early to fly in the mild morning breezes. **Problem:** A person has to get up more than once before they are considered to be doing sit-ups.
2. RC fliers tend to have larger thumbs. **Problem:** There is no known association between cardiovascular fitness and large thumbs.
3. RC fliers often bend down or squat near their airplanes. **Problem:** It has been noticed that once they are down, they have a hard time getting up.
4. Some of the terminology sounds like exercise. For example, sport aerobatics, fuel, or gear. **Problem:** Terminology in and of itself is insufficient evidence of an adequate aerobic exercise program.
5. RC fliers often are seen walking in the woods. **Problem:** Generally, they only walk in the woods once a

quarter, and that is not for exercise but to recover a downed aircraft.

6. Weight lifting involves a buddy to spot the lifter. **Problem:** Even though club members use a "buddy box" and often "spot" real airplanes, the concepts involved are quite different than those used in body building.

7. In an exercise program, an individual is known to sweat after about 20 minutes. RC fliers also are known to sweat after about 20 minutes. This is the only assertion where similarities exist between exercise programs and RC flying.

8. People who exercise usually have better eyesight. Fliers often have to see at great distances but generally cannot tell whether the object they are looking at is right side up.

9. Persons involved in exercise programs often are fixated on building the perfect shape. Similarly, RC builders are fixated on achieving the perfect shape, but in this case, we are talking about the aircraft, not the person. The individual may actually be way out of shape.

10. Those involved in exercise programs are concerned about weight gain. RC builders are equally concerned about weight gain, but again the focus is on the aircraft.

11. People who are successful in exercise programs generally work out at the same time of day, five times a week. RC fliers can be found at the field on the same days and times.

12. Conversations among those who exercise regularly often are laced with letter and number combinations, (B-6, B-12, the B complex). Similarly, RC flier conversations contain letter and number combinations (B-52, P-26).

AEROMAIL

North Texas Aeromodelers
c/o John Larsen
912 Mallard Way
Flower Mound TX, 75028

AEROMAIL

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*This month's meeting will be held at
the North Lakes Park Recreation Center
on
Tuesday, September 16, 2008, 7:00 pm*