

TAILSPINNERS

Volume 50 Issue 10

July 2005

Editor: Adam Bryant



AUGUST MEETING

PLEASE NOTE!! The August meeting will be held at the Ridge View Academy on Tuesday August 2, 2005 at 7:00pm.

PLEASE make every effort to attend this meeting! Ridge View Principal, John Fry, will be there to talk about Ridge View and we will also present him with a placque commemorating the First Annual Ridge View at Mile Hi Day. Sandy Mariani will also be there to talk to us about Cerebral Palsy of Colorado. This should be a great program, don't miss it!!

If the gate is closed, drive to the right of the small building and press the button on the speaker box and when prompted state your name and state that you are with Mile Hi RC and are coming in for the club meeting. When you get to the main building, you will have to sign in, turn in your car keys, and get a visitors badge. They will then direct you to the meeting room. Come a little early to get through the security routine.

RIDGE VIEW ACADEMY IS A NO SMOKING FACILITY. SMOKING IS NOT ALLOWED ANYWHERE ON THE PROPERTY.

FLIGHT LOG FOR THE JULY MILE HI RC MEETING

BOARD MEETING MINUTES

1. Approve Minutes. Approved
2. Treasurer's Report
 - a. Checking account balance \$xxx. Up \$xxx since last month. Up \$xxx from last year at this time.
 - b. Pluckrose netted \$xxx.
 - c. Securities balance \$xxx. Annualized rate of return 19.2%. Up approximately \$xxx from last month.
3. Membership report
 - a. Ed Compfort? Former member that paid membership dues, but has not repaid the field improvement fee.
4. Field acquisition report
 - a. Ridge View. The board has unanimously approved Mile Hi getting a field on-site. Still up to the state at this point.
5. Field Lease. Still don't have.
6. Safety Report – Chuck Brant
 - a. Radio interference.
 - i. Have been several occasions in the last few weeks where we had radio interference and have lost airplanes. Chuck suggested that we investigate the price of a spectrum analyzer or the Hobbico Frequency Analyzer now available through Tower Hobbies.
 - ii. Seems to be happening on the northwest corner of the field.
 - iii. It seems to be happening during the week. We had no problems during the Pluckrose.
 - iv. Might be some correlation to windy times.
 - b. We have had 3 fire extinguishers donated to the club that will be strategically placed at the field. There was a question as to whether the AMA requires fire extinguishers be available for the starting of gas engines.
7. FW2005 Events
 - a. Pluckrose June 18. 32 pilots and a few spectators. Gross income \$xxx. Net income \$xxx. Suggesting was made to get orange vests for the safety people during an event.
 - b. IMAA Dawn Patrol July 16.

- c. Aeroworks report.
 - i. Volunteer opportunities.
 - 1. Need to list in the newsletter.
 - 2. Need to distribute flyers to local hobby shops.
 - 3. Mail event brochure to every club member. Sandy will do this if the club will provide the stamps and addresses.
 - 4. Need volunteers to work the event.
 - 5. Gary Jones is going to CD the event.
 - ii. Quality Awards has volunteered to donate plaques or trophies.
 - iii. The suggestion was made to set up a blow up castle or other similar entertainment for the kids. We will investigate costs.
 - iv. We may need to plan on significantly bigger attendance than we normally have at our events.
 - d. Event fliers. Need to distribute to hobby shops.
8. Field Maintenance
 - a. Runway cracks? Cracks have been filled, but not sealed yet.
 - b. NOTAMS? Radio interference.
 - c. Quincy closure July 17. There will be no access to the field.
9. Bylaws change, 501c3 designation
 - a. Must change the stated purpose of the club in the by laws
 - i. Student classification of member
 - ii. Field improvement funds
 - iii. Other changes
10. Meeting gift certificate drawings. Marvin is collecting the certificates and the gallon of fuel.
11. Program this month
 - a. Randall Eaker building full scale RV7.
12. Future board meeting
 - a. July 26th - Rocco
 - b. August 30th – Bob Bergin
 - c. September 27th – George Kerr
13. Elections
 - a. July, announce elections, think about nominations.
 - b. August, nominations for office.
 - c. September, elections.
 - d. October, new officers take over.
 - e. Who is not running for reelection?
14. Call members to encourage meeting attendance.
15. July club meeting July 5th at Ridge View Academy.
16. August club meeting August 2nd at Ridge View Academy.
17. Meeting adjourned at 8:30pm.

GENERAL MEETING MINUTES

- 1. Call to Order 7:00 PM George Kerr
- 2. Welcome and Introductions George Kerr
 - a. Introduce officers and Board members
- 3. Do we have a Quorum? (10% of voting members needed 14-15) Adam Bryant
- 4. Read and Approve Last Months Minutes Adam Bryant
Read and approved
- 5. Treasurers Report Jerry Warrington
 - a. Bank balance \$xxx
 - b. 4 new adult and one junior member for \$xxx
 - c. Pluckrose net \$xxx
 - d. Securities \$xxx.
 - e. Annualized return on investment approximately 19.2%
 - f. New liability for the field improvement grant.
 - g. Report approved.
- 6. Committee Reports Randall Eaker
 - a. Membership Report
 - i. 137 voting members
 - ii. 157 total members
 - b. Contest Committee Report
 - i. 10th Annual Pluckrose Memorial Fly-In

1. 32 Pilots, the most we have ever had at this event.
2. \$xxx Net
3. Fred Fairy – Plane Kit
- ii. 1st Annual Don Lorenstzson Dawn Patrol Fly-In July 16
 - a. Volunteer sign up sheet
 - b. IMAA planes only until 1:00pm, then open flying.
- iii. Dogfight Over Aurora August 6
- iv. Aeroworks Fun-Fly Update?
 1. Flyer is done and will be mailed.
 2. We need to expect a larger turnout of spectators than usual for our events.
 3. We will have a number of events for the kids as well as introductory flights so we need as many of the intro pilots as possible.
 4. Quality Awards will donate the awards for the event.
 5. Gary Jones will be the CD.
- c. Field Maintenance Report Denny Edwardson
 - i. John Ballman was presented with a letter of appreciation for his donation of 3 fire extinguishers for the field.
 - ii. Quincy Closure July 17, 4AM to 2 PM
- d. Flying Safety Committee Report Chuck Brant
 - i. Interference problems at the field. In the last month there have been numerous suspected incidences of interference on the northwest quadrant of the field. We don't have enough data to determine any commonalities or possible causes.
 - ii. Chuck reported that there were 3 people flying, 2 had taken off the east/west runway when the wind shifted to the north/south strongly. The active runway was shifted with airplanes in the air for safety reasons. The point is that the safety rules don't always govern all circumstances and we always need to use our common sense and **communicate** our intentions.
- e. Field Acquisition Report John Neumeier
 - i. John Neumeier and 3 other club members participated in the Ridge View Golf Tournament.
 - ii. The Ridge View board voted unanimously to approve a resolution to have us move our field to Ridge View. The Ridge View board has been very impressed with our efforts to get involved with the school.
 - iii. John wrote an article about our attaining Leader Club status and included a report of the Ridge View at Mile Hi day and a photo of the Ridge View Student Athletes at Mile Hi.
 - iv. John thought that the process is moving forward rapidly now and could be approved by the end of the month.
 - v. The next phase (if the move is approved by the State and by the Mile Hi membership) would be to choose an alternate site so that we have at least two possibilities on-site at Ridge View. Next would be some radio testing to determine if we have any issues there. Then we would need to set up a committee to transition the field to a site at Ridge View.
 - vi. We have the plaque to present to Ridge View next month commemorating the First Annual Ridge View Day at Mile Hi.
- f. Any other reports for the club?
7. Unfinished Business
 - a. Ballots will be mailed to all members. Ballots must be returned by July 24, 2005.
 - i. AMA Field Improvement Grant \$xxx -\$xxx from AMA leaves \$xxx from Club
 - ii. 501 (C) 7 and 501 (C) 3 Discussion
 1. Articles of Incorporation and By Laws Change
 - iii. Student member classification.
 - iv. Investment Policy
 - b. The lease has finally been approved and runs through October of 2006. It is uncertain whether or not it would be extended beyond that.
 - c. A potential safety issue is developing at the field. Airplanes are being left in the startup area and on the south side of the startup area. These are high traffic areas and could lead to damaged aircraft or other issues due to congestion.
8. New Business
 - a. Mike Wilson has a complete flight box he wants to donate to Ridge View.
 - b. We discussed borrowing a frequency monitoring device from the AMA.
9. Elections coming up in September
 - a. Nominations at August meeting
 - b. Elections September meeting
 - c. New Officers take over October meeting
 - d. End of year banquet will be in September when the new officers are inducted. We discussed having the banquet at Ridge View.

10. Announcements.
 - a. Board Meeting July 26 at Rocco Mariani
 - b. Next Club Meeting August 2 Ridgeview Academy
 - c. 1st Annual Don Lorentzson IMAA Dawn Patrol Fly-In July 16, 2005
 - d. Dogfight Over Aurora August 6
 - e. Platte Valley Air Fair July 30 & 31, 2005 Mitchell Nebraska
 - f. August 21-22, Loveland Love Air Big Bird Festival.
11. Program
 - a. None
12. Drawings
13. Air Scharnell Jim Redmond
14. Action Hobby Fred Faery
15. Blue Yonder Robert Plant
16. Colpar Jim Lewis
17. Rocky Mountain RC Adam Bryant
18. Fuel Bob Porter
19. Adjournment 8:30 PM

=== END OF MINUTES FOR THE JULY MEETING ===

UPCOMING EVENTS

Dogfight Over Aurora, August 6, 2005.

This is an all-day, AMA sanctioned, combat event featuring the 2548 Scale and Open "B" combat classes. Come on out to watch or volunteer to help and earn a point towards the year end drawing. Registration and check-in is from 8:00 to 8:30, pilots briefing at 8:45, and start combat at 9:00. Four rounds of 2548 and at least 6 rounds of Open "B" are scheduled. We have 10 pilots pre-registered and always get a few extra on contest day so we can use all the volunteers we can get. Bring a helmet of some kind. Entry fee is \$20 for the first class and \$15 for the second.

4th Annual Aeroworks at Mile-Hi Fun-Fly, September 17,2005

This annual event just keeps getting better. This year's event proceeds will benefit Cerebral Palsy of Colorado. This event is open to all flyers. Contest activities include spot landings, most loops in 30 seconds, and a bomb drop. Noontime demos will include 3D aerobatic, Acroject, and electric airplanes. Registration is from 8:00 to 9:00. There is a landing fee of \$10 for participants. We will need lots of volunteers to help out as we expect a significantly larger turnout of spectators than is normal for an event. The way this event usually runs it is easy to both volunteer and fly. The more people we have on hand to help out, the more time you get to fly.

FYI...

Editor's note: Due to a hectic schedule, you will be seeing newsletters in reverse order starting with July and working backwards to past editions (in addition to hopefully keeping current issues coming). Be sure and check out the June and May issues for the first two parts of this article.

Your Vision and the RC Airplane Hobby

By: Adam Bryant

This is the third of a three part series of articles detailing issues important to your vision and how well you see your aircraft.

Part 3: Regular Checkups!

Most ophthalmologists (eye doctors) recommend getting your vision checked every year. In addition to checking your prescription to see if it has changed, regular eye exams can detect the early onset of glaucoma, diabetes, cataracts, macular degeneration and a host of other issues. Insuring your prescription is up to date is an easy way to make sure you are seeing your airplane clearly.

I hope these articles have helped to make you aware of some of the issues surrounding your vision and our hobby. A few simple precautions now can keep your eyes in top shape for many years to come.

Can I fast charge my battery packs?

from the Thorn Creek RC Club, Lansing IL

Fast Charging: Will it Harm My Packs?

by C. Scholefield

First, let's define fast charge. The industry standard is any charge rate that will charge the cells in one hour or less. This fast charge capability thing is very interesting. Almost all Ni-Cds manufactured today for RC systems can accept fast charge (up to C rate, that's the rate at which you can charge the cells in approximately one hour).

Cells that are specifically sold as fast chargeable go through another step in the process. This step involves charging a sample from the production lot, and then measuring the end of charge voltage. Cells with the highest end of charge voltage are then analyzed for internal pressure. If the internal pressure is acceptable—that is not above a preset limit—the whole production lot is blessed as being fast chargeable. Of course this adds a finite amount of cost to the cell as they must be “formed” prior to being shipped in order to be fast chargeable.

Cells not destined for fast charge applications are shipped “unformed” by some manufacturers. The first charge after the assembly is what “forms” the cell. When you charge your RC system packs for the first time you are “forming” them. That is why the instructions tell you to charge the packs for 16 to 24 hours before you first use the system.

So in most instances you are safe fast charging the RC packs (transmitter or receiver) on the market if you first make sure they get a good first cycle formation charge—24 hours at a slow rate.

Where the problems arise is that some of the fast charge systems available are a little sloppy when it comes to terminating the fast charge, or they are pushing the cells too hard (higher than the C rate charge) and then damage occurs.

As a rule of thumb if your packs are not getting hot (slightly warm is okay) you are not damaging them in the fast-charge process. When pushing too much current into cells not designed to accept it there is the risk of driving the cells above 1.6 volts (the hydrogen-over-voltage point) and electrolyzing the water in the electrolyte and generating hydrogen. This is a cumulative event and repeated fast charge at these rates will result in sufficient accumulation of hydrogen to cause the cells to vent. When they do vent, there is a chance that the chemical balance will be disturbed and the cell capacity will fade.

Understand that the pack may not be fully charged when the fast charge terminates. It is a good practice, if you are going to fast charge frequently, to top off the packs using the slow charger. This will bring all cells to the same state of charge and “balance” the pack. Otherwise the cell that is not fully charged will be the limiting cell on the next discharge. This continues until there is a major unbalance in the pack and one cell can be driven into reverse (if you don't crash first).

CLASSIFIED

[Mile Hi R/C Official Wear - Winter Jackets](#)

Prices are as follows: S-XL \$60.00; 2XL \$61.50; 3XL \$63.00; 4X\$64.50; 5XL \$66.00 Prices do not include tax.

Winter jackets have your first name and AMA number on the front and the club logo on the back. The jackets appear to run on the small size so we recommend ordering one size larger than you normally wear.

Do you have other embroidery needs, Contact Phil, He can take care of all of your customized embroidery needs.

Contact Phillip Kenney

(303)369-7044

pkenney17@sprintmail.com

Mile Hi R/C Official Wear

- ✚ Hats: Summer Edition (Mesh on top for venting) Blue, Club Logo up front \$12.00 Winter Edition (full twill) Blue with Club Logo up front \$12.00
- ✚ 3" Patches \$5.00
- ✚ All Items sold at Club Meeting!!

Javelin II ARF manufactured by Cermark

New in the box. Uses a .45 - .50 size engine and is great for aerobatics. \$100.

Contact Jim Rogers
303-977-1313

Wanted To Buy - New or used SPACE WALKER - ARF

1/4 scale. They have been discontinued.
I am currently a member of Love-Air - Colorado .

Contact Ted Wahler
(970)667-7110

Editor's note

My email address for any submissions is adamdb@juno.com. If you have a new plane picture, a building tip, an item to sell, or anything else that might be of interest to your fellow club members, please let me know! Also, if you have sold any of the items or want to update any of the items currently shown in the classifieds, please let me know so I can make the appropriate changes.

These local businesses support our club through donations and discounts on material for the club. Please show your appreciation of by giving them your business.

	<p><i>Action R/C Aircraft</i> 1477 Carr St. Lakewood, CO 80215 (303) 233-6275</p>
	<p><i>Air Scharnell</i> 17908-A Cottonwood Dr. Parker, CO 80134 (303) 617-9777</p>
	<p><i>Blue Yonder Hobbies</i> 2350 S. Chambers Aurora, CO 80014 (303) 337-6887</p>
	<p><i>Collins Hardware</i> 18800 E. Hampden Ave. Aurora, CO 80013 (303) 680-6765</p>
	<p><i>Colpar Hobbies</i> 804 S. Havana Aurora, CO 80012 (303) 341-0414</p>
	<p><i>Rocky Mountain R/C Hobbies</i> 5435 Boatworks Drive Littleton, CO 80123 (303) 804-0470</p>

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