



Soaring News



Vol. 2 Issue 4

"Newsletter of the Orlando Buzzards R/C Soaring Society"

July 1997

CLUB OFFICERS

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Lewis Gray, Treasurer (407) 365-6766
Jerre Ferguson, Secretary (407) 295-0956

NEXT MEETING

Aug. 3, Noon at Club Field
Sept. 7, Noon at Club Field

Corner

Rick Eckel

President's

Hello fellow Buzzards. The latest news, for those of you who have been a bit out of touch, is that we are losing Don Cleveland as a member and as President of our club, effective immediately. Don has accepted a nice promotion within Westinghouse that will move he and his family to the greater Houston area. As sad as it is to lose him it is nice to see a good guy getting ahead. I think I speak for all the Buzzards when I say that we wish him well and hope that he will stay in touch and hopefully visit occasionally. Are the thermals really bigger in Texas??

As you might note from the new name in the President's Corner of this newsletter, a moments inattention at the July meeting has resulted in my election as president to replace Don. I appreciate the confidence that you all expressed in my ability to pick up the remainder of his term. I'll do my best to hold things together. I would be less than honest however, if I didn't note that I will be looking forward to the October meeting where I plan to repay Jerre Ferguson's kindness. (Don't say I didn't warn you,

Jerre!) Don left the club in very good shape. He had a variety of programs well organized and underway with a lot of you committed on those efforts. I think they are all worthwhile and I will be very pleased to continue to support the efforts of the committee chairmen.

The one project that looms larger than all others is the Tangerine Championship. Don has already organized many of the pieces required to pull-off the championship. But there are a few loose ends to put together and a general coordinating of efforts that will still be required. Honestly, I really need to be concentrating on my business and I will be trying to spend as little time on Tangerine as I can get away with. I think it will work out because of the quality people Don has already put in place and the support of the whole membership. I know that you all will do what you can to help me out and I want to thank you in advance. Let me close this out by saying one more time: **"Best Wishes and Best of Luck, Don"**.

"May the thermals always pop just upwind of your launch!"

Rick

Future Contest Dates:

July 26-31 AMA Nationals, Muncie, Indiana
(see Model Aviation Magazine for info)
August 9 Annual, Orlando—Buzz Chuck HLG
CD: Ed White
August 10 Annual, Orlando—Gentle Lady 2+2
(senior/junior team award too)
CD: Rick Eckel
Aug 30-31 FSS#7, Morriston—2 meter/Unlimited

Sep 21-22 CD: Ken Goodwin
FSS#8, West Palm—2 meter/Unlimited
CD: Charlie Brecht
Oct 18-19 FSS#9, Morriston—2 meter/Unlimited
CD: Bob Wargo
Nov 29-Dec 1 Tangerine Championship, Orlando
CD: TBA



When was the last time you sat down and performed a thorough preflight on your glider? If you own a HLG I'll bet you haven't even looked inside the fuselage for months, except to hookup the battery for charging or flying. What about the last time you checked the Center-of-Gravity? Do you think everything is secured so well in the fuselage that nothing has broken-loose during those nose-dive spot landings?

If there is one constant in the world, it is that nothing is constant. Change is bound to happen. batteries shift position, receivers move, wires pull or chaff, and structures weaken and fracture. If detected before you push the flight envelope, you might save yourself some money, some repair time, or physical damage to someone or something else. How many times have you walked up to the contest winch and heard the guy behind you in line say, "this is the first flight since I repaired his ship"? What does this say about his concern for others? What does it say about you if you don't tell him how dangerous he's actions are or report his actions to the Contest Director? You know, I've been scolded a few times for flying close to vehicles or other planes, and I deserved to be reminded in those cases. But I have seen the same pilots that scold, are offenders of the same actions themselves. So are they concerned for others safety, or only admonishing a fellow pilot in public? *Safety*

should always be our priority, our top concern for our friends; their health, their ability to fly; their ability to operate safely around others. We have been very lucky in this sport. I have seen many things go wrong that could have had a different outcome.

Let's take a moment to think about the trends we witness and what we can do to insure that we don't add to the statistics.

The biggest danger (and it happens regularly), is an aircraft spinning/diving toward the ground out-of-control. Causes of this "loss of control" varying from structural failure to frequency jamming or battery exhaustion. Can these be prevented? You bet they can! Turn your receiver on first and watch for reception of signals on your frequency. Always insure you have the frequency pin, and know who else is on your channel (and watch them). Did you do a post-flight inspection after those hard landings? Did you do a pre-flight inspection as you prepared to fly? Look at the interior and exterior structure; twist, tap, and bend to reveal any cracks or broken connections. Look at those wires; even the ones under the foam and buried in the nose. Is the Battery secure? The battery wires unstrained and connected? Is your nose ballast secure and not making electrical contact with the battery? Could you lose the battery on launch or hard aerobatics? Have you cycled your battery lately to determine how long it will hold a charge? Is the battery dated so that you know when it is time to replace it? (A \$20 battery can save a lot of airplane repairs and medical bills.)

People succeed at being safe because they build good habits. Good habits for safety take TIME and COMMITMENT. If you can't be bothered, then you are unsafe. If you act safely, your fellow pilots may not say thank-you; BUT they won't be telling stories about YOU at the next field meet, or hiding behind their cars when you fly! Please take the time to be committed to *Safety First*.



Classified Advertisements



Custom Machine & Design by Eddie Riveiro. Mills Billet Aluminum to Aerospace standards. (407) 696-9887 or pager 419-9458.

For Sale: 2-mtr Spectrum (\$100), 3-mtr Prism (\$150). Took 1st in 2-meter, 2nd in Unlimited 1996 FSS Sportsman Standings. Both for \$225. Call Rich Kiburis (904) 789-1421



Lots of contest info this month. First, FSS Contest #5 was another great one at the Rable Rally of Kenny World, then there was Mid-South, and finally West Palm. Sorry if you missed these events, because there isn't enough room in Soaring News this month to print a summary for each one. But if you haven't attended the Rable Rally, you are missing a great barbeque, FSS annual meeting, toilet and Air conditioning facilities on-site, and some great wide-open terrain. Don and Jerre erected the Buzzard tent and Garnett White kept us entertained

FSS#5 CONTEST RESULTS		
PLACE/CLASS	EVENT	NAME
1-Sportsman	2meter	BILL GRIER
2-Sportsman	2meter	TERRY CUSACK
3-Sportsman	2meter	DON PIOTTER
1-Expert	2meter	KURT CARLSON
2-Expert	2meter	SCOTT HUNT
3-Expert	2meter	GARNETT WHITE
1-Master	2meter	BRIAN AGNEW
2-Master	2meter	DAVID ELIAS
3-Master	2meter	ED WHITE
1-Sportsman	Unlmt	KEITH MCCORMICK
2-Sportsman	Unlmt	TERRY CUSACK
3-Sportsman	Unlmt	JIM MCCUDDEN
1-Expert	Unlmt	VICTOR MANGET
2-Expert	Unlmt	LEWIS GRAY
3-Expert	Unlmt	KURT CARLSON
1-Master	Unlmt	BRIAN AGNEW
2-Master	Unlmt	LEE MONTGOMERY
3-Master	Unlmt	KALE HARDEN

with his Lazy Bee. Several Buzzards took home trophies. Congratulations to all who participated.

FSS#6 CONTEST RESULTS		
PLACE/CLASS	EVENT	NAME
1-Sportsman	2meter	????
2-Sportsman	2meter	????
3-Sportsman	2meter	TERRY CUSACK
1-Expert	2meter	KURT CARLSON
2-Expert	2meter	????
3-Expert	2meter	RICH KIBURIS
1-Master	2meter	BRIAN AGNEW
2-Master	2meter	????
3-Master	2meter	????
1-Sportsman	Unlmt	FRANK MANGUS
2-Sportsman	Unlmt	????
3-Sportsman	Unlmt	JIM MCCUDDEN?
1-Expert	Unlmt	HORNHER
2-Expert	Unlmt	JOHN MASIELLO
3-Expert	Unlmt	RICH KIBURIS
1-Master	Unlmt	BRIAN AGNEW
2-Master	Unlmt	JOHN AGNEW
3-Master	Unlmt	MARK BEISER

MID SOUTH RESULTS. Don Cleveland, Ed White, and Scott Hunt attended Mid-South in Huntsville. These guys took 1-2-3 in Hand-Launch Glider! Ed placed first, followed by Scott, and then Don. The next day in Unlimited Expert, Ed placed First, with Don in Third, and Scott in Tenth! WOW, out of 40 participants (per class) that is a great job!

BUZZ CHUCK AND GENTLE LADY CONTEST VOLUNTEERS NEEDED. Working party for tent and winch setup will be Friday, August 8th, at 3pm. **REMEMBER,** the contest site is through the second gate, right behind the previous contest site at SnowHill Road. Use care to avoid the construction hazards in the entrance area. This is a great time to get involved with your fellow club members as well as get a final trim flight in after the work is all done. If you need more information, contact Rick Eckel (CD) or John Masiello. Volunteers will also be needed in November when we host the 24th Annual Tangerine Soaring Championship, so plan ahead.

ODDS-N-ENDS

☐ **LSF PROGRESS?** If you have completed an LSF level, please notify me and I will publish the latest LSF Report Card.

☐ **NEW ROSTER PRINTED.** The 1997 membership roster is complete; including addresses, frequencies, and email addresses. Your personal copy is attached to this issue of Soaring News.

☐ **CONGRATULATIONS TERRY CUSACK.** Terry's Third Place win at FSS#6 in West Palm pushed him over the top of Sportsman and into the Expert Class. I think he was kicking and screaming the whole way.

☐ **CHECK OUT THE BUZZARD LIBRARY!!!** Did you know that the Buzzards have a library of reference materials, videos, and other exciting information and entertainment about Soaring? AND IT'S FREE to our members! Save the first half of the Library listing enclosed in this issue and next month Soaring News will enclose the second half. The library is maintained by our Treasurer, Lewis Gray, and materials may be borrowed through him. Please be considerate of your fellow modelers by taking good care of the items in your possession,

and retaining them for only a short time. This is another great benefit to our Club Members and can be a good reason for potential members to sign-up!

☐ **CHECK OUT RC SOARING DIGEST.** Terrys' 23rd Tangerine Championship article appears in the June 97 issue and so do the mugs of John Masiello, Rich Kiburis, Don Cleveland and Jerre Ferguson.



**Give us a hand
Jot it down!**

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SOARING NEWS!** If you have news, safety issues,
technical ideas, or equipment to sell, write it up and
mail to: **SOARING NEWS**
1471 San Carlos Ave
Deltona, FL 32738-9771
or email to: **flyboy@bitstorm.net**

WHAT'S ON THE NEWS ON RC SOARING EXCHANGE (RCSE)?

From Don Stackhouse (Designer of DJ Aerotech fame)

Regarding the current thread about reinforcing fuselages and other structures with nylon stockings, I'd like to add some relevant info on composite structure design. I will cover several subjects, but I promise to eventually end up back on the original subject of nylon/epoxy reinforced fuselages.

A composite structure is a mixture of materials, typically a matrix and a fiber of some sort. In general, the fiber is some strong material which is there to carry the loads, and the matrix is there to hold the fibers in position.

It is very important that the stiffnesses and strengths of the components be properly matched. The stiffness of the fiber should be substantially higher than the matrix, and the "strain to failure" (how far you can stretch it before it breaks, usually specified in inches per inch of origi-

nal size, or in %) of the matrix should be higher than the fiber's. An example of this would be concrete reinforced with steel. Concrete by itself has good compressive strength, but low tensile strength. By adding steel rods, mesh, etc., the steel can carry the tensile loads. Since the steel is stiffer than the concrete, as you stretch the structure the steel picks up most of the load.

Consider now the case of concrete reinforced with rubber rods. As you stretch this structure the stiffer concrete picks up the loads much faster than the rubber, and in fact the concrete will have long since broken and crumbled away (because its strain to failure is much less than the rubber) before the rubber has stretched far enough to carry hardly any of the load. While the rubber may in fact be capable of supporting the required load, it contributed almost nothing to the strength of the original structure. The structure would have been stronger if you had used the space occupied by the rubber to add more

Orlando Buzzards Library

The club maintains a library of information primarily devoted to R/C sailplane design, construction, flight performance, and the art of soaring. Also, reference material of a general R/C nature is available. Presently, this is divided between printed material and a collection of VHS video tapes.

Library material is normally made available on loan to any member on a month-to-month basis at the regular club meetings. Alternatively, individual arrangements may be made by contacting the club librarian - Lewis Gray. A library checkout log is maintained to identify the location of borrowed material.

VHS VIDEO TAPES:

No.	Title	Source	Length	Description
V-1	The Pioneers	AMA Jay Gerber Production	25 min	The Good brothers tell their own story and the history of R/C, with rare footage of R/C as it was in the 30's and 40's.
V-2	Those Marvellous Miniatures	AMA Jay Gerber Production	46 min	Flying models of all types.
V-3	AMA Today, Vol. I	AMA, 12/90		Topical information of interest within AMA
V-4	AMA Today, Vol. II	AMA		Topical information of interest within AMA
V-5	Battery Basics	ACE R/C, Tom Runge		
V-6	1991?	ACE R/C, 12/88		Common sense answers to frequently asked questions.
V-7	Cutting Foam Cores and Making Templates	Channel 1 Productions	89 min	
V-8	Vacuum Bagging - Fiberglass Wings	Channel 1 Productions	89 min	
V-9	R/C Scale Sailplanes in Southern California		68 min	
V-10	High Start / Winch Retriever	VMC Flight		New product demonstration
V-11	1/5 th Air Force	Byron Originals		
V-12	Aviation Expo, 1987	Byron Originals		
V-13	Making Fiberglass Molds	Channel 1 Productions		

BOOKS:

No.	Title / Description	Author	Publisher / Edition / Date
B-1	Old Buzzards Soaring Book Thirteen essays on the art of radio controlled soaring.	Thornburg, Dave	Pony X Press, 2 nd Edition, 1993
B-2	Basics of Radio Control Sailplanes General information on sailplane types, model and radio selection, construction and finishing techniques, soaring techniques and thermal recognition, acrobatics, scale models and much more.	Gornick Jr., Alan	Air Age, Inc., 1989

Orlando Buzzards Library Bulletin - July, 1997

The following table summarizes the current availability status of library material to identify that which is either available (*) or is missing (location unknown). It would be greatly appreciated if any club members knowing the whereabouts of missing material can please so inform the librarian. This information will be used to update the library checkout log.

Also included in this table is information on the latest issues of Soartech (#9 & #10) and related Summaries of Low Speed Airfoil Data (Vols. 1 and 2) which are currently available from Soartech Publications at the prices indicated. Please express any interest in this material to the Librarian so that its acquisition may be considered at any regular club business meeting.

Anyone wishing to contribute additional material to the library is welcome to do so. Such donations need not be restricted to the existing categories, but may include items such as magazines and catalogs, etc.

No.	Type	Title	Status	Comments
V-1	Video	The Pioneers	*	
V-2	Video	Those Marvellous Miniatures	*	
V-3	Video	AMA Today, Vol. I	*	
V-4	Video	AMA Today, Vol. II	*	
V-5	Video	Battery Basics	*	
V-6	Video	1991?	*	
V-7	Video	Cutting Foam Cores and Making Templates	*	
V-8	Video	Vacuum Bagging - Fiberglass Wings	*	
V-9	Video	R/C Scale Sailplanes in Southern California	*	
V-10	Video	High Start / Winch Retriever	*	
V-11	Video	1/5 th Air Force	Missing	
V-12	Video	Aviation Expo, 1987	Missing	
V-13	Video	Making Fiberglass Molds	Missing	
B-1	Book	Old Buzzards Soaring Book	*	
B-2	Book	Basics of Radio Control Sailplanes	*	
T-1	Technical	Soartech Vol. 1	Missing	Replacement Cost \$10.00 (approx)
T-2	Technical	Soartech Vol. 2	*	
T-3	Technical	Soartech Vol. 3	*	
T-4	Technical	Soartech Vol. 4	*	
T-5	Technical	Soartech Vol. 5	Missing	Replacement Cost \$7.00 (approx)
T-6	Technical	Soartech Vol. 6	*	
T-7	Technical	Soartech Vol. 7	*	
T-8	Technical	Soartech Vol. 8	Missing	Replacement Cost \$20.00

Potential Additions to Library:

	Technical	Soartech Vol. 9		Purchase Cost \$8.00
	Technical	Soartech Vol. 10		Purchase Cost \$16.00
	Technical	Summary of Low-Speed Airfoil Data - Vol. 1		Purchase Cost \$25.00
	Technical	Summary of Low-Speed Airfoil Data - Vol. 2		Purchase Cost \$25.00

Name	Off. Pos.	Street Address	City	Zip Code	Phone (H)	Phone (W)	E-Mail Address	AMA	Radio Frequencies
Channels									
Ruth	Secretary	1928 North Nemo Drive	Dixona	FL 32225	904 789-1421	407 306-1280	rburns@seawallcrlmco.com	549291	31
Karin	Cooperator	314 Marula Circle	Winter Springs	FL 32708	407 696-0223		karl@mgnet	502883	
Jack	Lawson	2357 Whispering Maple Drive	Orlando	FL 32837	407 240-8873		lawsonlarry8@comcast.net	507380	27
Henry	Lalorg	5450 Dunbar Drive	Pace Orange	FL 32127	904 267-4773		hpl@com-jaxnet.com	10275	56
John	Maichlo	VP 1440 Carrington Court	Winter Springs	FL 32703	407 366-8918	407 621-8578	jmaichlo@aol.com	542232	13 29 32
Frank	McDaniel	Bar 1218 Romero Road	Longwood	FL 32750	407 831-3638			395930	13 36
Joe	Moore	3670 Periwinkle Drive	Winter Park	FL 32782	407 671-5036			1599	06 48 56
Dwight	Parks	842 Kentucky Woods Ln East	Orlando	FL 32824	407 837-0358	407 953-1730	dwparks50@aol.com	451718	60
Steve	Prest	1431 Howell Branch Road	Winter Park	FL 32739	407 844-4856			372	
Wesley	Sassone	2615 Winkie Way	Orlando	FL 32839	407 855-2871			146697	
Bob	Shenold Jr.	448 Chestnut Circle East	Casselberry	FL 32737	407 695-3186			237856	
Al	Sonnen	1446 Skybolt Court	Orlando	FL 32825	407 638-3615		RCWED@aol.com	8242	12 14 16 37 40 42
Walt	Sprague	2973 Harbor Landing Way	Casselberry	FL 32767	407 695-1845			4528	
Tom	Stoe	1025 Winter Springs Blvd.	Winter Springs	FL 32708	407 595-1257			2775	40 46 52 54
Charlie	Talbott	1179 Pleasant Circle	Winter Springs	FL 32708	407 596-0136		tblbott@aol.com	155734	
Bill	Townsend	2457 Huntersfield Road	Maitland	FL 32751	407 831-7212		26732.101@comcast.net	555384	11 58
Chp	Townsend	2457 Huntersfield Road	Maitland	FL 32751	407 831-7212		26732.101@comcast.net	555385	11 50
David	Veitch	1701 Pepperidge Drive	Orlando	FL 32806	407 898-1618			30817	17 22 25
Jefrie	Wagner	1013 Winter Springs Blvd.	Winter Springs	FL 32708	407 659-1132			3328	15 30 35 44 48
Ed	White	3601 South Laurel Avenue	Sanford	FL 32773	407 323-1863		fmwhite@worldnet.att.net	6922	20 37 59
Garnett	White	7210 North County Rd. 427	Sanford	FL 32773	407 322-7881			3909	20 22 26
Vance	Young	418 Heather Circle	Beekledge	FL 32555	407 502-3879	407 867-7476		554111	21 23 39

Orlando Buzzards Roster

Name	Off. Pos.	Street Address	City	Zip Code	Phone (H)	Phone (W)	E-Mail Address	AMA Channels	Radio Frequencies
Cy	Baylor	Instr 181 South Lake Triplet Drive	Casselberry	FL 32707	407 699-8750			1252 17 28 40 48	
John	Baylor	911 Ballard Street Apt D	Altamonte Springs	FL 32750	407 831-3198			247265	
Bob	Burns	454 Yorkshire Drive	Oviedo	FL 32765	407 346-4886		clburns@aol.com	54188 15 19	
Ben	Cleveland	708 Country Club Drive	Tulahoma	TN 37188	615 455-9422		benclavel@aol.com	3582 20 35	
Don	Cleveland	Instr 3515 Cuthill Way	Casselberry	FL 32707	407 696-7576	407 281-2366	dclavel116@aol.com	55829 23 48 51 52	
Terry	Casack	Edgar 1471 San Carlos Avenue	Deltona	FL 32738	904 719-0523	407 306-7449	tylcay@briestorm.net	270567 19 50 52	
Anthony	DeJamon	529 Moxee Avenue	Orlando	FL 32807	407 277-6759			244534 27	
Dave	Devidson	1113 Naples Drive	Orlando	FL 32804	407 647-0555			1235 48	
Al	de Maréaz	712 South Lake Claire Circle	Oviedo	FL 32765	407 349-7734			453970	
Paul	Deiry	PO Box 1365	New Smyrna Beach	FL 32170	904 429-8529			89346	
Rick	Eckel	Pres Instr 695 Brown Bear Court	Winter Springs	FL 32708	407 365-9757	407 366-8852	RAEckel11@aol.com	467949 24 28	
Charlie	Fanster	2514 Bonnevile Drive	Orlando	FL 32126	407 277-5698		cxcharlie@pcp.globe.net	584372 40	
Brandon	Farlow	775 Long Lake Drive	Oviedo	FL 32765	407 366-8700			534835	
David	Farlow	775 Long Lake Drive	Oviedo	FL 32765	407 366-8700			61546 35	
Jerre	Ferguson	Sec 4511 Pagant Way	Orlando	FL 32108	407 295-0956	407 356-5810	jerre@bellsouth.net	28459 18 50	
Toni	Galloway	2173 Mohawk Trail	Maitland	FL 32751	407 628-8940	407 380-4643	75114-2517@compuserve.com	58222 18 33 52	
Lewis	Gray	Trias Instr 685 Bear Creek Court	Winter Springs	FL 32708	407 365-6766	407 281-3174	lewis.gray-esp@worldnet.att.net	582235 58	
Gary	Green	14424 Shaba Road	Orlando	FL 32832	407 273-8349	407 667-7460		275113 27 55	
Andy	Harrell	4449 Harbor Lights Court	Orlando	FL 32817	407 679-5294		axharrell@earthlink.net	399525	
Chris	Hawkins	15540-97 State Route 90	Clearmont	FL 34711	407 656-5938		hawez2000@aol.com	457238 19 45 46	
Scott	Hunt	931 Ridge Spring Court	Apopka	FL 32712	407 880-1056	407 880-5559		89247 06	
Ed	Jansson	2837 Sweet Springs Street	Deltona	FL 32738	904 719-8755		Edjansson@aol.com		