

NEWSLETTER OF THE CHARLES RIVER RADIO CONTROLLERS, INC



CRRC FLIGHT-LOG

<http://www.charlesriverrc.org/>

AMA CHARTER 339

September 2002

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GENERAL MEETING

Wednesday
September 18

7:00 PM

COLLINGS
FOUNDATION

See Map on Cover

We have the privilege to visit classic airplanes and automobiles being restored by Bob Collings and his foundation. A \$5.00 donation is requested for guests that are not CRRC members.

Wear your badge!

**There will be no
raffle or Show-
And-Tell in
September**

Table of Contents

September Meeting Directions	...1
Treasurer's report Miner Cray	...3
President's Message Jon Leehey	...3
August Board of Directors Meeting	...3
June Meeting Notes Laurie Hurwitz	...4
Local Tree Climbers	...4
CRRC Flight Instructors	...5
CRRC Lending Library	...5
Impressions Of A Visiting Aero modeler	...5, 6
CRRC Contest Report Dave Walter	...6, 7
Events Calendar	...8
Pictures! Pictures! Pictures!	...8-9
Derick Veliz and John Hayes	...8-9
Map to Collings Back Cover!	...10

DIRECTIONS TO COLLINGS:

Directions from Rte 495

Northbound from the South

(Item in parentheses is distance in miles from 0.0 mark)

1. (0.0) Take EXIT 25A to Rte. 85 Hudson
2. (1.4) Straight at traffic light
3. (1.8) LEFT at traffic light (2 lanes turn left) onto Rte. 85 North
4. (1.9) RIGHT at next traffic light (see green sign to Department of Fire Services)
5. (2.8) STRAIGHT at first traffic light, then RIGHT at next light onto Main St. (Rte. 62 E)
6. (3.2) STRAIGHT at traffic light, CITGO station on left
7. (4.1) LEFT at traffic light, following Rte. 62
8. (4.9) Sign "Entering Stow"
9. (5.5) RIGHT at Y on Sudbury Road at red antique house with cream colored fence
10. (6.2) RIGHT at intersection onto Boon Road
11. (6.5) RIGHT onto BARTON RD. after crossing river. Road is narrow and rough in spots
12. (7.1) RIGHT into Collings at asphalt driveway across from red house with chain link fence

Directions from Rte. 495

Southbound from the North

1. Take Exit 27, (Stow/Bolton) and go EAST on Rte. 117

2. Drive 5.1 miles to Stow Center traffic light (intersection with Rte. 62)
3. Turn RIGHT onto Rte. 62 at light (gas station on your right) and travel 1.1 miles
4. At Y, take LEFT fork onto Whitman Street, drive 0.9 miles to STOP at intersection
5. Turn LEFT onto Boon Road and follow last two directions from directions [above](#)

Directions from Boston

(Item in parentheses is distance in miles from 0.0 mark)

1. (0.0) Take MASS Pike West from Boston
2. (12.5) Exit to Rte. 30 (Weston). After going through toll, DO NOT take Rte. 128/95 ramp. Proceed STRAIGHT onto exit ramp, then turn RIGHT at end of ramp toward Rte. 30
3. (12.6) LEFT at traffic light onto Rte. 30, and immediately get into RIGHT lane
4. (12.8) RIGHT at traffic light onto Newton Street, soon passing Pine Brook Country Club
5. (14.9) Bear LEFT at Y toward Weston Center beyond "Land's Sake Farms" sign, keeping school building on left
6. (15.4) LEFT at traffic light onto Rte. 20 West
7. (19.0) RIGHT at traffic light onto Rte. 27N, then bear LEFT to stay on Rte. 27 toward Sudbury
8. (22.1) STRAIGHT at traffic light continuing on Rte. 27, then
9. (22.5) Continue STRAIGHT ahead toward Hudson where Rte. 27 turns right
10. (25.7) Pass Dept. of Fire Services buildings on right
11. (25.9) RIGHT at Y onto Sudbury Road to pass Marlboro-Sudbury State Forest on right
12. (27.8) LEFT onto BARTON RD. after sharp bend (just before the river-CAUTION-some rough road)
13. (28.4) RIGHT onto Collings asphalt driveway across from red house with chain link fence

Directions from Rte. 128 N and S

1. Take Exit 26 onto Rte. 20 West. Stay on Rte. 20 until reaching Rte. 27N intersection
2. Follow the directions from [Mile 19.0](#) in the Boston directions.



This Avenger is part of Collings' great collection of flying aircraft.

TREASURER'S REPORT

Report Date 7/31/02

Checking (after #1258)	1,303.06
Savings	4,547.31
Cash	25.00
Total Ending 6/30/02	\$5,875.37

Income

Dues	305.00
Raffle	119.00
Scale Fun Fly	600.00
RES Contest	810.00
Total Income	\$1,834.00

Expenses

Peter Lofgren RES Beverages #1259	114.06
Helen Cray	
RES Lunch #1260	236.505
John Weigel	
Raffle Prize #1261	65.94
Dick Williamson	
RES Porta Potty #1262	145.56
Dick Williamson	
RES Food # 1263	39.64
Ken Antonellis --	
RES Dinner #1264	126.98
Tracy Clark	
Fun Fly Food #1266	72.73
Fritz Bien	
Newsletter #1265	98.38
Bank Fee (June)	9.00
Total Expenses	\$908.84

Ending Balances

Checking (after #1266)	2,228.22
Savings	4,547.31
Cash	25.00
Total Ending 7/31/02	\$6,800.53

Signature: *Miner Cray*

September DIRECTOR'S MEETING

The next directors meeting will be, Tuesday, September 24th at 7:30 PM, at the Sudbury Goodnow Library..

PRESIDENT'S COLUMN

Jon Leehey

Well it's that time of year again. No, I do not mean the back-to-school joy of the Staples TV ad. I mean that it is time to start thinking about the upcoming election of club officers. The election is held at our November general meeting and we need a slate of candidate by the end of October. So I would like to ask each and every member to seriously consider running (or volunteering) for office. Being a club officer is not that much work and is actually a lot of fun. And bringing in new blood to the Board of Directors is vital to the continuing strength of our club. To get you all thinking, here is a brief description of the major duties of each position:

President – The club's chief executive. Chairs the monthly general meeting and the monthly BOD meeting. Makes the BIG executive decisions. (About 2 per year). Contributes this column to the newsletter. Other than having to attend two meetings a month, a pretty easy job and has the entire Board for support. Becomes the Ex-Officio the following year.

Vice President – Responsible for organizing the guest speaker each month. Fills in for the President when he/she is absent. CDs the annual Paper Airplane Contest each July. BOD members contribute many of the guest speaker ideas. Popular wisdom to the contrary, the VP does not necessarily become the next President (unless you want to).

Membership Secretary – Signs up new members. Also responsible for dealing with the AMA on membership and club organizational issues. Often takes the role of club PR spokesman.

Recording Secretary – Responsible for recording the minutes of both the general and BOD meetings and

generating the Secretary's report for the newsletter. Reminds the President of old issues that still need to be discussed and resolved.

Treasurer – Keeper of the club checkbook and cashbox. Responsible for keeping track of the club's financial position and for preparing the Treasurer's report each month.

Newsletter Editor – Edits and publishes the newsletter each month, 1 week before the general meeting. Has to nag the officers to get their reports in on time the week before. Often has to find addition material. (Hint to everybody to provide more articles!)

Webmaster – Responsible for upkeep of our award winning web site and keeping it timely with the latest contest and meeting announcements.

Ex-Officio and Raffle Chairman – When the President retires, he/she has the responsibility for acquiring the prizes and running the raffle each month. Probably the most fun job of them all, but you have to serve as President first.

One of the great things about our club is that members always volunteer and chip in for contests and events. The club officers are not responsible for CDing contests or running the annual auction (unless of course you want to). And the regular BOD members (officers and non-officers alike) are always willing to help a new officer with their duties.

So, don't be shy. Run for office!

August MEETING NOTES

Laurie Hurwitz

Jon Leehey opened the meeting at 7:45 PM.

Secretary's Report approved as written in newsletter.

Treasurer's Report approved as written in newsletter. 1 opposition.

The attendance book was passed around the meeting. We ask that newcomers say something more than his/her name.

Field coordinator's report:

- Davis: There are now light standards for Pop Warner football. We will soon see portable goal posts. Joel has posted the full schedule of when Davis is available on the website.
- Medfield: Undergrowth off the field by the river is very high. Few/no bugs.

Old Business:

Soar-In was August 11-12, CRRC's ESL competition. Dave Walter claims it was a great success (he beat Tom Kiesling the first day).

- Different format:
 - First five tasks were a 5, 7, and 3 ten minute flights in any order. The pilot declared the task when the time was recorded.
 - Launch groups must launch in a 10 minute window.
- Day 1:
 - Expert: Dave Walter, Tom Kiesling, Dale Nutter
 - Sportsman: Mark Drela, Jose Bruzual, John Hayes
- Day 2:
 - Expert: Tom Kiesling, Terry Luckenbach, Jan Kansky
 - Sportsman: Tony Guide, Jose Bruzual, Mark Drela
- Mark Drela won the RES award both days
- Membership:

- ~176 members so far this year.

New Business:

- Volunteer to attend the BOD meeting for the next two months: Ruane Crummett
- We will probably be doing the Woodsom Farm Festival.
- September club meeting is at the Colling's Foundation. Quick general meeting, but no Show and Tell or Raffle.
 - Club voted unanimously to make the \$300 donation to the club.
 - Club voted to a \$5 fee for non-club members with 1 opposition.
- Woodsom Farm Festival on September 15th. This will be our third year of a fun-fly/kid's training across the road from the festival. Bob Scott is CDing. Rain date is the following Sunday.
- Scale fly-in this weekend.
- We thank Jesse Hefter for getting us this room at Verizon.
- Fitchburg Air Fest: September 12-15th at Fitchburg Airport. Contact John Weigel if you want to help.

New pilots: Eric Laub, Warren Hopkins

New members or guests:

Val Petrov – helicopters and gas planes

Raja Bortrosh – gas planes and helicopters

Peter Vescuso – RC flying

Jon Leehey closed the meeting at 8:19.

Raffle:

- 1903 Wright Flyer – **Jon Nilsson**
- Volt meter – **Peter Vescuso**
- Gallon of Fuel – **Ken Antonellis**

Show and Tell:

- **John Cartisser** – Mitch built the plane. G23 engine. Weighs 13 pounds.
- **Laurie Hurwitz** – I brought my Zagi in finally. Chris Larsen had five different colors of tape and insisted I use all five. The result

is a blue and yellow striped, red and yellow striped, and white bottomed with green trim wing. You won't miss it, which is what I fear.

- **Pete Young** – Pete is helping out a UAV group at MIT. He has a device that records airspeed and altitude and can download the measurements to a computer after the flight.
- **Tracy Clark** – JK Thermic from Poland. 2.5 meter glider. Thin airfoil. Ailerons and v-tail. Weighs just under 30 oz.

TREE CLIMBERS

Tony Morais

A1 Tree Services-
Framingham, MA
508-626-0088
800-657-7788

Brian Pikarski

Burlington, MA
617-797-2136

Kenny Greeno

Office Phone: 617-661-8591
Cell Phone: 617-839-1814

Paul Harrington

(508) 376-2573 [Medfield Area]

CRRC BUILDING AND FLIGHT INSTRUCTORS

Below is our list of qualified and willing instructors. Power planes are flown only at the Bill Martin Flying Field in Medfield. Sailplanes and Electrics can be flown at the Davis Farm Field on Rte. 117 in Sudbury as well as Callahan State Park in Framingham. See <http://www.charlesriverc.org> for directions to the flying fields. If you have any questions about the construction of your airplane, or want to have an experienced pilot pre-flight check your airplane before heading to the flying field, then call any of the building instructors.

INSTRUCTOR	TOWN	TELEPHONE
POWER		
Chief Instructor: Ruane Crummett		
Bob Scott	Wayland	508-655-2234
Pete Young	Norwell	781-982-0268
Larry Copeland	Watertown	617 923-4184
Ken Antonellis	E. Walpole	508-668-0448
Jon Leehey	Natick	508-653-4513
Dave Walter	Wayland	508 358 5721
Fritz Bien	Hudson	508-562-5400
Neil Kaufman	Concord	978-369-1720
	Sudbury	508-443-9647
SOARING		
Dick Williamson	Sudbury	978 443-8549
Dave Walter	Hudson	978-562-5400
Bruce Schneider	Hudson	978-562-9900
Fritz Bien	Concord	978-369-1720
John Nilsson	Clinton	508-368-7136
Pete Young	Watertown	617 923-4184
Lincoln Ross	Waltham	781-891-0332
ELECTRICS		
Bruce Schneider	Hudson	978-562-9900
Fritz Bien	Concord	978-369-1720
Dave Walter	Hudson	978-562-5400
Derrick Veliz	Acton	978-266-1739
Pete Young	Watertown	617 923-4184
Lincoln Ross	Waltham	781-891-0332
HELICOPTERS		
Joel Foner	Natick	508-653-3560
BUILDING		
Ruane Crummett	Wayland	508-655-2234
Fritz Bien	Concord	978-369-1720
Joel Foner	Natick	508-653-3560
John Weigel	Natick	508-653-3560
Pete Young	Watertown	617 923-4184
Derrick Veliz	Acton	978-266-1739

CRRC LIBRARY

The club keeps a library of videos and books. They are made available at club meetings. If you cannot come to the meeting, and would like to borrow a video or book, call Ken Antonellis at (508) 653-4513.

Videos:

1996 World Masters Aerobatic Championships
 AMA – The Pioneers (25 min)
 Byron – New Generation of Modeling Products (17 min)
 Byron – R/C Wars
 Combat Models – Fighter town Demo (8 min)
 Coming of Jets & History of the DC3
 Dynamic Soaring
 Elmira '97
 Endless Lift
 Hot Stuff Video (60 min)
 Local Flying (Medfield)
 Military Aircraft
 Monokote 1 & 2
 Old Buzzard Goes Flying
 R/C Helicopters
 R/C Info and Tips
 R/C Ornithopter Research Project
 R/C Soaring from the Ground Up
 R/C Video Magazine, Vol. 1-13
 Scale Aircraft Documentation
 The Light Stuff (Daedalus Project)
 Wring It Out, Vol. 2

Books:

1993 Don Edberg Complete Source Book
 AMA – Sound and Model Aeronautics
 Aviation Heritage Magazine – B2 Flying Wing
 Completely Cars – Harry Higley
 Trainers (R/C Magazine)

CRRC 2002 OPEN ESL Soar-In IMPRESSIONS OF A VISITING OVERSEAS AEROMODELER

Enrique Kramer

Contests, in my experience, tend to be hectic and sometimes, emotionally highly charged human endeavors. Not so the CRRC 2002 Open ESL Soar-In. Its rules, the friendly competitive spirit prevailing among the contestants and probably also the wonderful weather conditions, helped produce one of the smoothest running contests I have had the pleasure to attend.

I will briefly comment on the three subjects that caught most of my attention:

The rules

I had never seen a duration/landing contest where the rules did not require the fliers to use the allocated time slot to the fullest advantage. The format used by the CRRC is very "contestant friendly" and takes away most of the stress. And come to think of it, it does not reduce significantly the challenge posed on the fliers, and will still allow to award the trophies to the best pilots.

The sailplanes

The Mantis is really an amazing sailplane. It will probably never win a beauty contest – particularly the version with the blob in the nose of the fuselage– but there is absolutely

no doubt that it is very efficient aerodynamically. I particularly liked Tom Kiesling's wings, with their elongated and upwards bent tips.

I had never seen Mark Drela's sailplane from close range. The construction quality is second to none: the minute details are a joy to see and the strength of the airframe has to be experienced to be adequately grasped.

In general, the quality of the sailplanes entered was very high, the non-composite ships being, in general, very well built. I am

sorry for the Allegro and the other plane –I did not get hold of the type– whose wings collapsed on tow. But having only two planes break seriously in a contest with so many rounds I guess is not very common.

The winches

Not only were they very reliable, working all day long—at least for this observer— without a glitch, but they had this very interesting retrieval system. I wish they would have had a similar one at the South American Championship last year, where

retrieving was not only quite time consuming but also a safety hazard. I have not checked the CRRC web site, but if an explanation of how it works is not on it, presenting it to the international sailplane community through these means will certainly make a major contribution to contest quality and enjoyment all around the world.

It was an authentic pleasure to share this beautiful day with you all at the CRRC 2002 Open. And many, many thanks to Peter Young who, without ever having met me, volunteered to take me!

CRRC SOAR-IN REPORT

Dave Walter

CRRC Soar-In 2002

Dave Walter, CD Saturday
Anker Berg-Sonne, CD Sunday

Forget what you know about the CRRC Soar-In. "It must have rained, right?" Nope, not a drop. "OK, then the wind was from the north and you had to shlep 800 pounds of equipment to the far end of the field." Uh-uh. "Um, how about life-threatening heat and humidity?" Not a chance (well, it was a little warm). "40 mph gusts and post-contest search parties?" Nada.

The 29th annual CRRC Soar-In, held on August 10 and 11 at Davis Field in Sudbury, Massachusetts, broke the mold. We were blessed with beautiful skies and fine flying weather both days. Thirty pilots signed up each day, with roughly an equal mix of Sportsman and Expert, and there even were several RES designs that came to challenge the Manti and Moldies.

In the weeks leading up to the competition, the contest organizers debated various methods to ensure fair flying conditions for each pilot. We all know the frustration of launching into miserable down air just minutes after a kettle of planes have spiraled up to nosebleed altitude. Man-on-man flight groups with normalized scoring is probably the best way to even the playing field, but there isn't sufficient room at Davis Field to pull it off, especially when we cannot use motor vehicles to hustle back the launch lines.

After scratching our collective heads, we settled on a format used at the Reading contest this season. Each day, the first 5 rounds were composed of a 5 minute task, a 7 minute task, and three 10 minute tasks, flown in any order the pilot wished. This at least gives everyone a chance to make use of good lift when it is

available, hopefully saving up the short tasks for those off-cycles when the air is bad. It's an interesting format that can force you to make a tough decision at the 4 minute or 6 minute mark... is this air good enough for another 2 or 3 minutes? All rounds after the fifth were 7 minutes. Landings were the usual 25 foot graduated circle with safety lines painted on the grass, behind which the pilot had to stand for the landing to count.

At noon each day, our own chef/pilot Chris Schuch opened the lunch tent with a sumptuous spread of cold cuts, sandwiches, salad, and drinks. The crowd seemed to especially appreciate the good food. Entertainment was provided by Derick Veliz and his high-speed aerobatic electric. Derick also took aerial photos of the event with a digital camera mounted on a Wingo.

A reporter and photographer visited us from the Metrowest Daily News on Saturday. The story appeared on the front page of Section B on Sunday, complete with color photograph. It never hurts to get positive exposure for our hobby! While the story noted that pilots came from as far away as Pennsylvania, in fact we had one from Washington, DC (Rainer) and another from Tulsa, Oklahoma (Dale Nutter)!

The contest scores for both days are reproduced below. Tom Kiesling had the overall high score for the weekend. The RES award went to Mark Drela each day for his Bubble Dancer design.

As always, the success of the Soar-In is a direct result of all the club members who pitch in and help. We would like to thank the following for their assistance: Les Gerhardt, Peter Lofgren, Dave Marshall, Laurie Hurwitz, Ken Antonellis, Miner Cray, Fritz

Bien, John Nilsson, Jim Otis, Bob Doppler, Dick Williamson, and Chris Schuch. Please forgive me if I left out a deserving name... my brain is still a little fried. Thanks also go to all those who brought equipment such as winches, retrievers, tents, generator, etc.

Let's hope this weekend establishes a norm for future contests. See you next year!

Saturday			
First	Last	Class	Cum. Total
Dave	Walter	Expert	4504
Tom	Kiesling	Expert	4447
Dale	Nutter	Expert	4206
Fritz	Bien	Expert	4144
Gerry	Zeigenfuse	Expert	4101
Terry	Luckenbach	Expert	4091
Paul	Bell	Expert	4027
Jim	Tyrie	Expert	3813
Jan	Kansky	Expert	3735
Anker	Berg-Sonne	Expert	3694
John	Nilsson	Expert	3603
Gary	Cundiff	Expert	3499
Jeff	Carr	Expert	3375
Stuart	Strong	Expert	3296
Chris	Schuch	Expert	2991
Mark	Drela	Sportsman	4175
Jose	Bruzual	Sportsman	4130
John	Hayes	Sportsman	3806
Tony	Guide	Sportsman	3590
Rainer	Wetzling	Sportsman	3398
Ron	Cichowski	Sportsman	3296
Robert	Burrier	Sportsman	3161
Miner	Crary	Sportsman	3146
Alan	Marshall	Sportsman	2699
Michael	Moore	Sportsman	2615
Richard	Williamson	Sportsman	2507
Bruce	Schneider	Sportsman	2098
Robert	Buxton	Sportsman	2081
Shane	Ellison	Sportsman	1771
Chris	Larsen	Sportsman	1715
Peter	Young	Sportsman	1672

Sunday			
First	Last	Class	Cum. Total
Thomas	Kiesling	Expert	3513
Terry	Luckenbach	Expert	3404
Jan	Kansky	Expert	3402
Dale	Nutter	Expert	3369
Dave	Walter	Expert	3359
Chris	Schuch	Expert	3281
Jerald	Zeigenfuse	Expert	3277
Jeff	Carr	Expert	3274
John	Nilsson	Expert	3242
Fritz	Bien	Expert	3116
Anker	Berg-Sonne	Expert	3046
Gary	Cundiff	Expert	2947
Paul	Bell	Expert	2920
Tony	Guide	Sportsman	3362
Jose	Bruzual	Sportsman	3349
Mark	Drela	Sportsman	3327
Rainer	Wetzling	Sportsman	3301
Bruce	Schneider	Sportsman	3273
Stuart	Strong	Sportsman	3076
John	Hayes	Sportsman	3057
Ron	Cichowski	Sportsman	3045
Don	Black	Sportsman	2963
Alan	Marshall	Sportsman	2569
Michael	Moore	Sportsman	2181
Robert	Doppler	Sportsman	2083
Shawn	McCarthy	Sportsman	2065
Richard	Williamson	Sportsman	1355
Chris	Larson	Sportsman	979
Jeff	Newcum	Sportsman	950

CALENDAR OF EVENTS

The calendar of events for the year was determined in the January Board of Director's meeting. If you have a favorite event you want included on the 2002 Calendar, please come to the Board Meeting and bring it up. For a up-to-date list of area events check http://www.charlesriverrc.org/calendar_events.htm.

DATE	EVENT	WHERE	CONTACT	EMAIL
September 15	Woodsom Farm Festival R/C Demonstration	Amesbury MA	Bob Scott	vintagehomes@aol.com
September 18	General Meeting at the Collings Foundation	Stow MASS	Bob Collings	www.collingsfoundation.org
September 21	CRRC Helicopter Fun-Fly	Bill Martin Field (Medfield)	Chris Baker	christian@appliedtissue.com
Oct 19 2002	CRRC Electric Fun-Fly	Bill Martin Field (Medfield)	Tom Bauer	tbauer@wellesley.edu
Nov 17 2002	CRRC RC Auction	VFW (Natick)	Ruane Crummett	crrcplanes@aol.com
Nov. 9 2002	CRRC Indoors Flying	Teamworks Sports Center Northboro	Bruce Schneider / Wayne Nelson	bruceden@rcn.com
Dec 7 bring those WWII flyers	CRRC Indoors Flying	Teamworks Northboro	Bruce Schneider / Wayne Nelson	bruceden@rcn.com
Jan 1 2003	CRRC Frozen Finger Fun Fly	Bill Martin Field (Medfield)	Fritz Bien	fritz@spectral.com
Jan.11 2003	CRRC Indoors Flying			bruceden@rcn.com
Feb.8	CRRC Indoors Flying			bruceden@rcn.com
March 8	CRRC Indoors Flying			bruceden@rcn.com



Figure 1: MORE pictures from the CRRC Soar-In.

Pete Young applying body-English at the instruction of Anker Berg-Sonne.



Figure 2 John Hayes times for Jim Tyrie while Ron Weissman times for Ron Cichowski.



Figure 3: Ken and Cris Schuch walking back after a good flight. Chris prepared a fantastic lunch both days.



Figure 4: A different method of frequency control... Tony Guide shows off his channel number on now famous T-shirt.

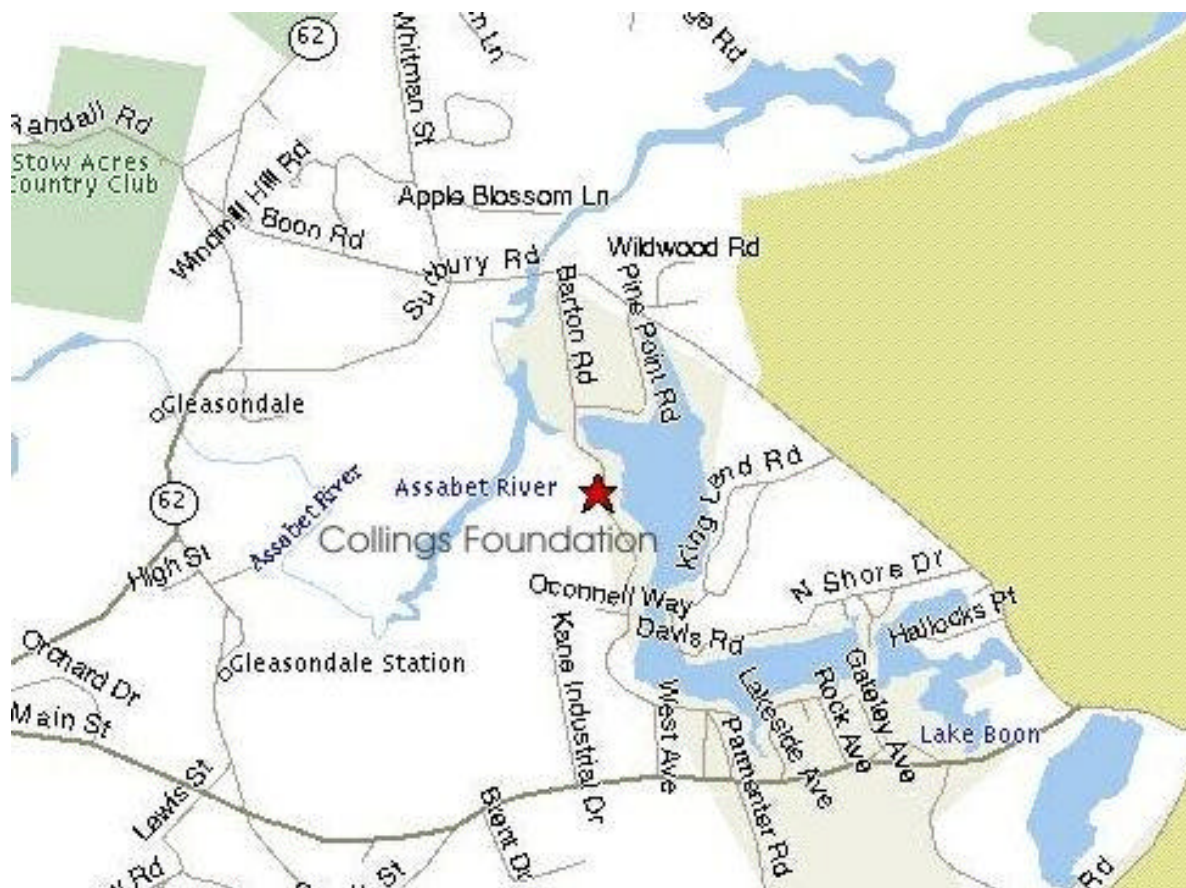


Figure 5: Jeff Newcum about to launch while his daughter is ready to time. Dick Williamson is at the retriever. Ken Antonellis is releasing the retriever on the other winch as Jan Kansky is preparing for another flight.



Figure 6: Al Marshall launching his Águila which he's been flying since 1976. The wings are "new". They were given him in 1979!

MAP TO SEPTEMBER GENERAL MEETING at the THE COLLINGS FOUNDATION in STOW:



Fritz Bien /Editor
41 Saw Mill Road
Concord, MA 01742-2221