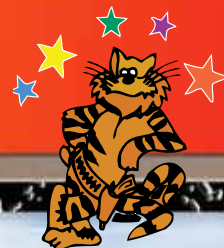


# Servo Chatter

AMA Club Charter #110



February 2014



[www.sccmas.org](http://www.sccmas.org)

Official Newsletter of the SCCMAS "Tomcats"  
Field Location: 10250 Monterey Road, Morgan Hill, CA 95037

Next Meeting: Saturday  
March 22<sup>nd</sup> - Wings of History  
Museum  
5:00pm @ 12777 Murphy Ave, San Martin,  
CA 95046

## News from the President



Happy New Year SCCMAS Members! 2014 is rolling in with weather that reminds me of spring. Usually we're reminding you to keep tabs on the loose clothing and to beware of spinning propellers around it. Instead, we're wearing t-shirts and enjoying the great flying days. With this comes a renewed sense of a major drought this year, and consequently a heightened fire danger. Please keep that in mind as you fly and do

your best to mitigate any issues with potential hazards.

Thanks again to all who came out for our annual banquet. It was an exceptionally great time. We had 80 attendees enjoy the evening at Fiorillos restaurant. Many smiling faces took home door prizes and we gave away many prizes for the annual helper's raffle. All told, there were many funny stories told over good food, drink and good company.

Many of you know the SCCMAS is comprised solely of a volunteer operation. This goes beyond the governing board and we're always looking for more help in the field maintenance and project areas. If there is an area in which you'd like to help, please get in contact with me. This also means as individual members of the SCCMAS, we should also be mindful of the field's cleanliness. Please clean up after yourselves and if you see some trash floating around, please pick it up. A big thanks goes out to all of you who give of yourselves at the SCCMAS in so many respects. It does not go unnoticed.

Thank you for your responses on the surveys included with your renewals. As I state each year, we do our best to address each one and I hope to have a response to the major issues expressed in the next issue of Servo Chatter.

Our full events schedule is included in Steve Smith's column this month. He's worked hard to strive a balance between events and available flying weekends. Please have a look at the list and come enjoy the events either as a spectator, participant or helper. We can always use assistance at the events. As with that, our airshow is less than six months away and we'll be needing your help.

Many of you might have noticed that we launched a new website in December. Chris Luvara worked hard to re-vamp the site and bring us into the latest web technology. If you find any issues, please email [webmaster@sccmas.org](mailto:webmaster@sccmas.org). We're also looking into online renewals in the future and will advise of any status on that in the future.

I'm personally looking forward to flying a bit more this year. My plans for 2013 changed a bit with crewing a Reno racer and I'm currently working on my full scale IFR rating. It's certainly challenging me!

Until next issue,

**Michael**

## From the Editor



Hi fellow flyers. Hope you all had a great Christmas and new year and that Santa was nice to you and brought you some cool stuff.

January turned out to be a great flying month with really nice sunny days almost throughout. On the other hand we need the rain so not sure we can continue wishing for sunny days. As of right now, looks like the next Sunday is a rain washout. Irrespective, I hope we are heading for a good flying year. This being the first issue of the year, we have the full list of our events (see page 3) and lots of good information. Thanks to all members who continue to contribute to the club and the news letter.

A few of us made it to the AMA convention this year and I put a brief pictorial of the event in this issue. I saw Peter, Steve and Matthew there and our contingent included Cyndi, Nate and Shahram. It was great to see Nate's face when we entered the exhibition hall. Don't think Santa's workshop would have had the same effect.

Overall the number of exhibitors were higher this year though the boots were a little smaller. Some interesting new offerings from Horizon including some new gasoline engines one of which looks like a winner with fuel injection.

Weather also held this year for the exhibition (freezing last year) with temps being in the upper seventies and lower eighties.

Please feel free to send me items of interest for the newsletter. I am always looking for content and welcome your input. Photos of planes and events are definitely a welcome addition.

Happy landings.

**Bahman**



**On the Cover**  
Maxford USA Albatros D.III  
Bahman Dara Photo

## Governing Board Members and other Volunteers of the S.C.C.M.A.S.

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Flight Instruction, heli	Dave Neves	510-673-4467	rcheliguy7@gmail.com
Webmaster			webmaster@sccmas.org
Raffle Coordinator	Paul Hasselbach		pwhassel@gmail.com
Field Maintenance	Walter Colby	408-710-4035	walterdotcolby@yahoo.com
AMA Intro Pilot**	Reggie Dell Aquila		
AMA Intro Pilot**	Mike Leggett		
AMA Intro Pilot**	Peter Vogel		
Field Weather (automated)		408-776-0101	
SCCMAS Business Office		408-292-1212	
SCCMAS WWW address		www.sccmas.org	

\* Governing board members.

\*\* AMA Intro Pilots. These pilots can fly non AMA members once, certain restrictions apply.

\*\*\* Email is preferred to voice mail.

## SCCMAS 2013 Event Calendar

April 5	 Spring Swap Meet 
May 3	T-34 & Unlimited Race 
May 17	South County Airport Day
May 16-18	Heli Jamboree Fly-In 
June 21	Field Work Party 
July 12-13	Annual Airshow 
August 2	Summer Swap Meet 
August 23	Pattern Day 
October 4	T-34 & Unlimited Race 
October 11	Coyote Classic Bike Ride 
November 1	Fall Swap Meet 
December 7	Toys-For-Tots 



## Treasurer's Report



Jim Patrick



### SCCMAS Profit & Loss October through December 2013

#### Ordinary Income/Expense

##### Income

Contest entries	620.00
Food sales	416.00
Membership dues	290.00
Vending machine	855.00
<b>Total Income</b>	<b>2,181.00</b>

##### Expense

Bank Service Charges	0.00
Bay Alarm	135.00
Dues and Subscriptions	-55.00
Equipment Rental	81.57
Food	348.55
Garbage service	602.16
Licenses and Permits	120.00
Office Supplies	61.92
Postage and Delivery	622.00
Printing and Reproduction	419.36
Raffle supplies	881.75
Rents paid	948.70
Repairs and Maintenance	
Equipment Repairs	103.08
<b>Total Repairs and Maintenance</b>	<b>103.08</b>

Sanitation service	2,065.17
Supplies	584.46

##### Telephone

Internet	359.92
Telephone - Other	268.61
<b>Total Telephone</b>	<b>628.53</b>

##### Utilities

Gas and Electric	1,026.10
<b>Total Utilities</b>	<b>1,026.10</b>

<b>Total Expense</b>	<b>8,573.35</b>
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<b>Net Ordinary Income</b>	<b>-6,392.35</b>
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#### Other Income/Expense

##### Other Income

SCCMAS Banquet	2,375.00
<b>Total Other Income</b>	<b>2,375.00</b>

##### Other Expense

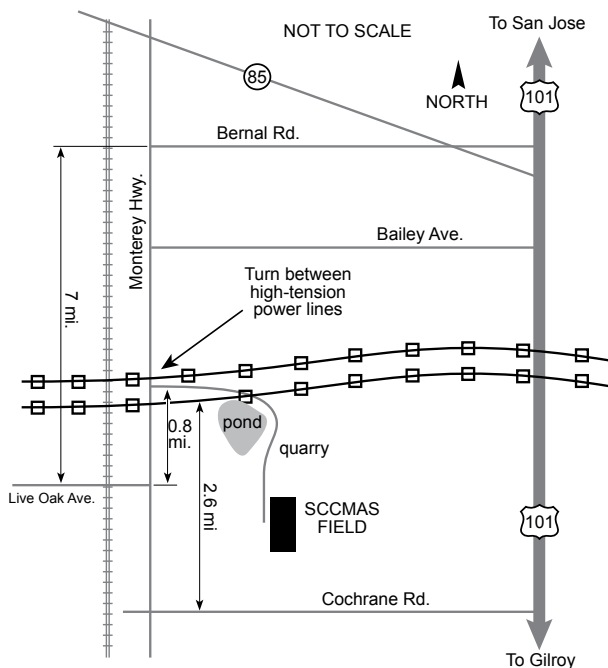
SCCMAS Banquet	3,841.51
<b>Total Other Expense</b>	<b>3,841.51</b>

<b>Net Other Income</b>	<b>-1,466.51</b>
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<b>Net Income</b>	<b>-7,858.86</b>
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SCCMAS (Tomcats) field is located in the county park and can be reached via Monterey highway



Please help support these companies and organizations as they help to support us

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### Hey Flyers-

I was walking our black Lab, Toby, the other day and we came up behind a Grandpa and his Grandson walking along slowly. I overheard the toddler ask, "Grampa, what's RAIN?" I guess the dry weather is a mixed blessing for us flyboys, many uninterrupted days of beautiful winter flying, with some lingering concerns about the effects of drought...

I had a great time handing out two SCCMA Safety First Awards at our annual banquet in Dec. Congratulations to Reggie and Nate, two flyers as different as can be and yet united in their safe enjoyment of our hobby.

A couple of reminders as we launch into our 2014 flying season: First, if you do have an unfortunate incident and the ground meets your airplane (ie. Crash), please be careful when retrieving your plane/parts/etc. As with flying, make sure you announce your intentions when crossing the runway and make sure no pilots have announced a takeoff, landing, touch-n-go, or low pass. Have your spotter keep an eye for planes, even as they accompany you out to the debris field.

If all six flight stations are full, consider waiting until the air-space has quieted down before heading out to your crash site. Once you have reached your crash site, please pickup all of the pieces. There are bags available to use for just this task. Obviously, if there is a fire as result of the crash, after quickly putting it out with the extinguisher and waiting for it to cool down, the remains still need to be picked up!

Secondly, if you see a flyer that might need assistance after a crash, in the pits, the startup area to hold a plane, or even as a spotter on the flight line, offer your help. Friendly assistance= Safety!

I'm always pleased to see fellow pilots helping one another with situations like those outlined above. Let's keep that spirit of cooperation alive, it's a real trademark of our field.

Please let me know if you have any questions or concerns. I look forward to seeing you at the field and upcoming club meetings. Happy flying,

**Tim**







Happy New Year to all Tomcats members! If you haven't been flying this past month, you've missed out on some of the best weather in the New Year, with the temperatures reaching the low 70's. Unfortunately the forecast for the weeks to come will remain dry.

The event calendar for 2014 is finalized, with all events listed on the SCCMAS events calendar and the Northern California R/C Society (NCRCS) events calendar. The NCRCS ([www.ncrcs.com](http://www.ncrcs.com)) is the site where all Northern California R/C clubs post their club events and information. This is a handy site to visit if you would like to explore other clubs in the region.

The SCCMAS in 2014 will be attending several public events around the bay area, promoting the R/C hobby and our facility. As the contest coordinator, I'm always looking for volunteers to help at our club events. Positions include managing the snack shack, helping in and around the snack shack, facilitating an event, acting as a contest director, being the boss for a day... I really want to thank all of the volunteers in 2013 that made our events a success.

Just over the horizon is spring (if we had a winter season), and that means it is time to prepare for the spring R/C swap meet on Saturday April 5<sup>th</sup> starting at 8:00 a.m. and concluding at 1:00 p.m. Unlike past years where the early bargain hunters arrived before dawn, the Santa Clara County Parks are closed to all visitors until sunrise. No pre-sunrise entry will be allowed in to the park at any of the SCCMAS events with the exception of events with pre-arranged on site-camping. The fee: 10' x 10' spaces are \$10. Limited park tables are available on a first come, first served basis. Bring your own table and chair, just in case, and we will find a spot for you. On-site coffee and donuts in the morning followed by a BBQ. Additional information is available at [www.sccmas.org](http://www.sccmas.org).

Wanna race? The second of four T-34 and Unlimited Warbird races held in Northern California, will be on Saturday May 3<sup>rd</sup>. Three classes of T-34 racing, Bronze (Novice), Silver, and Gold. This year the Electric Formula-1 (EF1) racers will also be part of the venue. Several different EF1 models are available and must be equipped with a 25 size electric engine. The start for this race will be a ground race start takeoff. More information about the EF1 rules and planes are available at [www.modelaircraft.org](http://www.modelaircraft.org) and at [www.rcpylonracing.com](http://www.rcpylonracing.com). Trophies will be awarded in the T-34 classes and EF1 class for 1st thru 3rd places. 46 Modified Warbird minimum 475 square inch wing area and maximum .46 cubic inch engine. Unlimited Warbird, one class, No break-out times, wing area vs. engine displacement limitations, trophies

awarded for 1st thru 3rd places. Registration opens at 8:00 a.m. with a pilots meeting at 9:00 a.m. Racing will start around 9:30 a.m. On-site coffee and donuts in the morning followed by a BBQ. Race frequency and race number registration required. Contact Joe DeLateur at [Triangleseries@rcpylonracing.com](mailto:Triangleseries@rcpylonracing.com). Rules and additional information is available at [www.rcpylonracing.com](http://www.rcpylonracing.com).

Heli pilots and heli enthusiasts get ready for the 4<sup>th</sup> annual West Coast Helicopter Jamboree on Friday May 16<sup>th</sup>, Saturday May 17<sup>th</sup> and the morning of Sunday May 18<sup>th</sup>. Open flying for all types of model helicopters, beginners to advanced, Scale, sport and 3-D. Always wondered what it is like flying a R/C helicopter or wanted to brush up on the piloting skills? On-site training from the pros is available, plus demonstrations by factory pilots on Saturday May 17<sup>th</sup>. Get tips and pointers from the top R/C heli pilots. Raffle tickets are available throughout the weekend with the raffle prize drawing for cool heli products on Sunday May 19<sup>th</sup>. On-site coffee and donuts in the morning followed by a BBQ on Saturday. AMA insurance is required for all pilots and pit crew. A turbine waiver is required to start and/or fly turbine based helicopters. Pilots of turbine based crafts must have the proper turbine safety equipment. Limited RV hookups and overnight camping is available. RSVP to Dave Neves at [rcheli-guy@comcast.net](mailto:rcheli-guy@comcast.net). Additional information is available at [www.sccmas.org](http://www.sccmas.org).

The SCCMAS has once again been invited to be a part of the annual South County Wings of History Open House Fly-In on Saturday May 17<sup>th</sup>. The SCCMAS will have a booth present with a static aircraft display and have a flying demonstration at noon. We are always looking for additional volunteers to manage the booth, answer questions, help with the flying demos, piloting, and spotting. If you would like to help contact Steve Smith at [contests@sccmas.org](mailto:contests@sccmas.org).

#### 2014 Event Schedule

April 5	Spring Swap Meet
May 3	T-34 & Unlimited Race
May 17	South County Airport Day
May 16-18	Heli Jamboree Fly-In
June 21	Field Work Party
July 12-13	Annual Airshow
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August 23	Pattern Day
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October 11	Coyote Classic Bike Ride
November 1	Fall Swap Meet
December 7	Toys-For-Tots

Several shack manager positions are available. Manage the shack for two events and your 2015 annual dues are FREE. Manage the shack for one event and receive one-half off your 2015 annual dues. Managing the shack requires that you are an active SCCMAS member in 2014. Shack managers are always looking for volunteers in and around the shack; positions open for food preparation, food orders, BBQ/burger flip'n, setup/cleanup. The contest directors are always looking for additional helpers to assist with the contest preparation, operation, judging, pylon race judges, spotters, field preparation, teardown and cleanup. If you would like to volunteer your time at any of these events, contact Steve Smith at [contests@sccmas.org](mailto:contests@sccmas.org).

See you at the field,

**Steve**



## *Banquet 2013*



*Yes we did perfect the cloning technique you are not seeing double!*







**The SCCMAS R/C club would like to announce its 4th annual Heli Jamboree fun fly. Here are the details, hope you can make it.**

**Date: May 16th, 17th and 18th 2014**

**Where: Santa Clara County Model Aircraft Skypark**

**10250 Monterey Road**

**Morgan Hill, CA 95037**

**[www.sccmas.org](http://www.sccmas.org)**

**Contest Director: Dave Neves (510) 673-4467**

**[rcheliguy7@gmail.com](mailto:rcheliguy7@gmail.com)**

**Event Details:**

**Open flying for all types of model helicopters, beginners to advanced, Scale, sport and 3-D. NO night flying allowed.**

**View of SCCMAS tomcats field available on Real Flight.**

**Virtual tour available at: <http://www.sccmas.org/virtualtour.htm>**

**Web cams available at: <http://www.sccmas.org/webcams.htm>**

**Current weather available at: <http://www.sccmas.org/weather.htm>**

**Wi-Fi available to guests during event.**

**Event will be AMA sanctioned, so you must be AMA member to fly.**

**No charge for spectators. Turbine helicopters welcome.**

**Turbine waivers required.**

**Heli flying all day on Friday, Saturday and Sunday morning. The field will open to fixed wing aircraft on Sunday at 12:00pm.**

**Demos by factory pilots on Saturday from 12:00 to 1:00. There will be an Auto Rotation contest and Heli Drag racing for those who would like to participate.**

**120vac charging stations available for electric helicopters.**

**Registration fees will be \$20 at the event and \$15 if you pre-register before the event. Pre-registration will begin March 1st.**

**Vendors welcome at no charge. Display only, no retail.**

**Lunch will be served on Saturday.**

**General Raffle prizes will be given away on Saturday at 1:00pm.**

**Pilots raffles will also be available to registered pilots.**





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December 12, 2013

Mr. Steve Smith  
Santa Clara County Model Aircraft Skypark  
10250 Monterey Road  
Morgan Hill, CA 95037

Dear Mr. Smith

On behalf of Coldwell Banker, thank you so very much for your generous donation of toys for our annual Toys for Tots Drive. Your remarkable commitment (year after year) certainly goes a long way in making Christmas just a little brighter for many needy children.

Again, thank you and your organization for your continued support.

Sincerely

John Agresta  
Managing Broker  
Coldwell Banker—Morgan Hill





**W**ow! Time flies, seems like just yesterday Bahman was giving us a month advance notice on when our articles would be due, and here I am already 2 days late! (Sorry Bahman!). It's been a busy time at home and at work with a lot of travel out of town. Fortunately most of the travel hasn't been impinging on my weekends so I have had a reasonable chance to get some flying in, and I've completed the build on my latest pattern plane, the amazing X-treme composite Griffin!

Some of you may recall the photo I published a while back of my dear-departed former Griffin's wing construction that caused the wing to fold on it's 5th flight. X-treme composite did the right thing and sent me a whole new plane once the wing defect was corrected and 100s of new wings were manufactured for everyone who had been lucky enough NOT to lose the plane in a crash due to wing failure. I'm thrilled with the new plane and it already has nearly 100 flights on it, so the wing issue definitely seems solved. I put a micro camera down the wing to inspect it when I got it and they definitely seem to have added appropriate strengthening down the whole length of the spar.

Now, without further ado, since I've missed getting an article into a few issues of Servo Chatter, I have good list of folks to congratulate on their solo certification!

**Adrien Moll** -- I think Adrien set a new record, I've never seen anyone pick up RC flying as quickly and naturally as Adrien! He solo'ed less than a month after his first flight. Simulators definitely help! He tells me he practiced a lot on the sim between Saturdays flying with me.





**Martijn Tromp**  
**Doug Nelson**  
**Alan Hantke**

Some of you may have noticed that the Apprentice 15e that I used to recommend as a trainer for new folks interested in flying RC was discontinued. The good news is that E-flite replaced it with the Apprentice S, same plane, different electronics -- this one incorporates Horizon/Spectrum's "SAFE" technology. This is essentially gyro limiting of the aircraft, but designed for beginners, in addition to the normal 4 channels for Throttle, Aileron, Rudder, Elevator, this adds a 5th channel for which SAFE mode you want: Beginner, Intermediate, or Expert and a 6th channel for "SAVE ME" (my term). In Beginner mode pitch and roll are limited to 10 degrees, it makes for some VERY wide turns but guarantees that you won't put the plane into a spin or dive -- makes the plane very docile. In Intermediate mode the envelope is widened to 60 degrees in pitch and roll, enough to get you in trouble if you whip the controls around like it's a PS4 or Xbox controller, but not enough to let you get mixed up on your up from down or accidentally invert the plane and lose orientation. Finally, Expert mode removes all gyro control and lets you fly it entirely on your own, with the 6th channel there to bail you out if needed. The 6th channel is only used when you are flying the plane on your own and it's connected to the momentary trainer switch. This essentially immediately returns the plane to straight + level upright flight -- what an instructor would ordinarily do for you if you are flying with a buddy box!

So, you may be thinking "That sounds really great!, I guess we don't need instructors anymore?"

I'd have to strongly disagree! I think SAFE makes it POSSIBLE to learn on your own, and possibly less expensive than trying to do it yourself without SAFE but I find that it isn't a great replacement for an instructor! The beginner mode is almost painful to fly as the plane is incredibly sluggish (flies more like I'd expect a 40% B-17 to fly!) and it very quickly gives students a false sense of security, it hides nearly all mistakes the student is making which makes it hard for the student to learn and hard for an instructor to diagnose what the student may be doing wrong. Intermediate mode is a GREAT way to learn with an instructor, it's a second line of defense for the plane from the instructor and lets you fly a little lower (easier to see/orient) than with confidence. You can still get yourself into trouble and the plane is agile enough to show all your mistakes. Expert mode is perfect for ensuring YOU are controlling the plane and I require it for all solo signoff flights on a SAFE equipped airplane. What it does allow for is some reasonably safe "park flying" between flights with an instructor AFTER you have mastered the basics of takeoff and landing and flying simple circuits. If you get into trouble, pull the trainer switch and the plane will return to straight + level as though you had an instructor. If you DO choose to go this route though, I strongly recommend a LARGE park with NO PEOPLE around. Remember, AMA safety code says no flying over people!

That's all for this month. Happy flying and keep those wings level!

### **Peter**

Director, Fixed Wing Flight Training  
Santa Clara County Model Aircraft Skypark









# Triangle Series Morgan Hill Races

## T-34 - Warbird - Electric

### May 3rd & October 4th, 2014



#### **Stock T-34 (Novice/Silver/Gold)**

Stock T-34's, stock OS or TT Pro .46

#### **Unlimited Warbird**

No break out. See rules for wing area/eng.

#### **.46 Modified Warbird**

475 sq in minimum / max .46 engine

#### **NEW !!! Electric Formula One !!!**

NMPRA EF1 rules (8 laps on 2 pole course)

Detailed rules @ [www.rcpylonracing.com](http://www.rcpylonracing.com)

### **Spectators Free.**

**See radio controlled warbirds racing...just like Reno.**

**Aircraft push speeds of up to 160mph.**

**All racers must have AMA insurance**

**Hard Hats REQUIRED for pilots & caller**

**RV Parking available by appointment only**

**– limited hook ups.**

**Have a plane but no caller, come on out and we'll find someone to call for you. Lots of helpful racers.**

For detailed rules and information go to [www.rcpylonracing.com](http://www.rcpylonracing.com)  
or e-mail questions to [info@rcpylonracing.com](mailto:info@rcpylonracing.com)

#### **Other Triangle Series Races:**

March 22nd, Fresno

June 22nd, Oakdale

June 23rd, Oakdale 3 pole (424 Q500 and EF1)

August 9th, Salinas (no Unlimited Warbird)



#### **Hosted By :**

**The Santa Clara County Model Aircraft Skypark – “Tomcats”**

Go to [www.sccmas.org](http://www.sccmas.org) for directions

**Registration: 7:00AM – 8:30AM**

**Pilots Meeting: 9:00AM**

**Racing Begins: 9:30AM**

**Fuel provided for T-34**

**Entry Fee \$25**



# R/C Swap Meet

**Presented by the Santa Clara County Model Aircraft Skypark  
Morgan Hill, Ca.  
A Facility of the Santa Clara County Parks & Recreation Dept.**

## Saturday - April 5th

**8:00am - 1:00pm**

**NO PARK ENTRY BEFORE 7:00am**

Come join us at the Tomcats field for our Spring Swap Meet. Buy or sell your R/C related items.

**No Pre-registration needed.** 10'x10' spaces, table space is limited, and available on a first come, first serve basis. Bring your own table and chair just in case.

**SCCMAS field is open for flying,** Prevent accidents, sellers remove the battery from all 72Mhz and 5xMhz Ham band transmitters.

**Mark your calendar for the Summer Swap Meet on 08/02/14**

**10'x10' Space Rental \$10.00  
(No Booth Sharing or "Partners")**

**On site Coffee and donuts in the morning  
followed by a BBQ.**

Maps and additional information available at [www.sccmas.org](http://www.sccmas.org)

## A day at the field

Photos contributed by various members



Our intrepid Tomcat buddies Mike and Walter (member of the Tomcats Air and Sea Rescue Team, TASRT) prepare to go and liberate Darrell's T34 from the pond after it fell victim to radio problems. Mike says: Walter and I were requested to wear life jackets during the rescue by the county Ranger in accordance with California boating law. It was good that our club had all the right gear on hand: Raft, Paddle and Life Jackets. Darrell's T-34 has been repaired and is flying once again.. This time with a full range receiver.

*From the editor:* I'm sure every member of the club is aware of Walter's great camera work as he is typically at the field without fail with one of his cameras. In case you did not know it, he has 3 Youtube channels all of which are very popular and get a lot of traffic. Check them out for some terrific videos. Here are a few examples just to wet your appetite.

<http://www.youtube.com/watch?v=zSHYpM1JDKE>  
<http://www.youtube.com/watch?v=LR5o7ryuxm0>  
<http://www.youtube.com/watch?v=xgVai6pPnQU>

Subscribe to his channels and you will be continuously delighted with the content and the quality. If you ask him nicely he will probably capture your pride and joy in flight too. He is a very talented videographer as well as editor.

Way to go Walter!









# How to shrink a B-17

by Reggie

## Scale B-17 Will Fly Soon

The work that has gone into this unique aircraft project is nothing short of AMAZING. We'll be watching for first flight and final paint scheme.....

Note: This is not an RC aircraft!! This is a fully flyable, experimental aircraft with four engines, retracts, and a total of over 240 hp. This would be considered a complex category of airplane and require a special certification on your pilot's license to be allowed to fly it. It sure looks like it would be a fun one...

The project was started back in 1999 and is just now nearing completion. The airframe is all scratch built (of course) and made out of aluminum. The main gear retracts just like the real B-17, and has proven to be the most complicated part of the project.

The engines are the Hirth 3002 4-cylinder 2-stroke that usually have a reduction unit and make about 80 hp. Jack chose this engine because of its size... it was small enough to fit inside a properly scaled nacelle. However, to make it fit properly, the reduction unit is removed which will bring the power down around 60 hp each, with the engines spinning the 46.4" diameter props at about 3,300 rpm.

This project, coming to life in Dixon Illinois, has to rank as one of the most fascinating home built aircraft projects of all time. It's the kind of idea that weird people like me dream up but rarely does anyone actually follow though. With an estimated 20,000 hours of labor required to build this cute little beast, it's understandable why. With a 34 ft 7 in wingspan, estimated 1,800 pound weight and four 60 hp engines for a total of 240 hp, the Bally Bomber is just pure awesome!

Be sure to check out the hundreds of pix from the build process along with additional info at [TheBallyBomber.com](http://TheBallyBomber.com) Go to <http://theballybomber.com/> for more information.









Bahman Dara Photo



**Servo Chatter c/o SCCMAS**  
**16345 W. La Chiquita Ave.**  
**Los Gatos, CA 95032-4610**

**Next Meeting: Saturday**  
**March 22<sup>nd</sup> - Wings of History**  
**Museum**  
 5:00pm @ 12777 Murphy Ave, San Martin,  
 CA 95046

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