



AMA Club 1657 July 2018  
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# Spoiler

## President's Corner

July 2018

It's been an interesting month in PPSS Land.

We've had not one but two F3-RES events, both successful I might add. The latest one was last Saturday, a postal (E-Postal?) match with Denver and Albuquerque. I don't want to let the cat out of the bag, but suffice it to say that our Safety Officer was considering donning a hi-viz vest and playing traffic cop! I'm certain that CD Randy Reynolds will have a full report, if he hasn't sent it out already. We owe Randy a huge thank you for organizing these two events. If you haven't become involved in "The Movement", I'd suggest that you take a look at it.

The Delta Dart program at the Boy Scout Ranch has been somewhat variable this summer. We've had everything from 1 Scout to a full house of 18 last Friday. The week of the single Scout was the 4<sup>th</sup> of July week when the camp had fewer than 225 attendees and only 10 troops. Their normal attendance averages 600+, and last week they were fully booked with ~800 campers. We had 25 on the list when we showed up Friday morning, and as indicated, 18 showed up. That's a very high percentage.

One of the things we run into every year is that just about 40% of the Scoutmasters miss the "mandatory" meeting on Sunday night. The Scoutmasters have been our primary means of recruitment. They're the ones who push the program out to the Scouts, and if the Scouts don't know about the program (or the Scoutmasters don't know

about it and



promote it to their troop), the young men don't sign up. In an effort to get around that, I've got an Easy Glider on display in the Trading Post where there's a LOT of traffic, and it seems to be helping. I've had several Scoutmasters mention it, as well as quite a few Scouts. For next year, we might also consider doing a demo flight mid-week as the Scouts are assembling or leaving the Dining Hall in the evening.

Thank you to those of you who are flying at the Sod Farm for respecting the wishes of the owners and for being so diligent in looking after the equipment. You weekend fliers have been very good at policing yourselves. Keep it up! CD's are reminded that in the end, they are responsible for a final walk around and inspection for stray and/or missing equipment after a contest.

Membership is up. I'm sure that Austin will have a current count for us at the meeting this Monday. It's nice to see some fresh faces at the field.

Don't forget the "Meeting Before the Meeting" at Wendy's just off Woodman at Rangewood at 5:30 Monday night. Come join us for food and good conversation before the meeting.

See you at the meeting Monday, July 16<sup>th</sup>, usual time and place (Fire Station #20, Rangewood and Dublin, 7:00 PM).

Take care!  
Leonard

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## From the Bench

With John Read and Leonard Mackey. Monday and Friday 9:00 AM until 12:00 noon if you want to join the discussion.

John is still working slowly on an OD F3-res plane, Also an electric version is in the works

Leonard has been working on another contract build and a neat DR1 kit from Germany, Not much else this month

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## Meeting Program

The meeting program this month is Members Show and Tell what you have been working on.

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## Secretaries Report

President Mackey called the April meeting to order at 7:02 PM. Minutes approved as published in Spoiler.

Guest Tony Elliot moved to the USA in 1991 and recently to Colorado Springs. Building and flying mostly Scale gliders since 1999.

Treasurers Report; Income \$249. Tom Sisk and Larry Loughlin donated several planes which Barry has sold on eBay. Expenses \$321.04. 41 paid up members.

Old Business; Watts-O-Fun went well 10 fliers came, food was good too.

New Business; George is planning a Foamie Fly - 3 rounds 2,4,6 minutes, runway landing, 25 points if landed on the field.

Sunday 24 was the delayed March Madness TD contest 3,5,7,9,11 minutes with the runway landing. Pilots meeting 9:30 AM.

Randy talked about a postal F3-RES contest with RMSA, PPSS, and ASA, proposed date is July 14th We will fly on the sod farm, a

F3-RES plane is not required, as long as it can be launched on the F3-RES launch system. Flight time will be 6 minutes with a measured spot landing. Woodie models are OK. Electrics are OK altitude limire to be set to 100 M. Six rounds are planned.

The Delta Dart program has been busy on the BS Ranch, Three full size pilots helped with building.

AMA has introduced a new badge for club officers, Austin distributed same to those present.

Dan will be back in his store Tuesdays, Thursdays, and Saturdays from 1 - 4 PM as his recovery progresses. Doc Tux recently had hernia surgery and recovering slowly. Randy asked if there was a first aid kit in the field box, Austin will purchase and add to the trailer. A question was asked about a porta-potty at the field, considered to expensive.

Show-and-Tell: John showed the Delta Dart with the new Wing guides, designed by John And 3D printed by Bob Avery. A new book about wings and airfoils from the UK was also shown. Tony showed the motor he will be putting in a scale Stemme glider he is building. Program; Bob Vixie presented an excellent program on vacuum bagging. He brought along his equipment and showed the methods for laying up Kevlar reinforcement including carbon leading edges. Carbon/Kevlar and carbon/glass fabric was also shown. Tony showed a video of a large composite wing.

Meeting adjourned at 8:45 PM

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## Want to build a F3-RES Two Meter?

By Randy Reynolds

There are well over a dozen kits available for this new class. What surprised me is that these new designs being lighter, sleeker and with proper airfoils are very good performers and fun to fly. Also they are reasonable in price and present new structural building techniques as they are highly prefabricated.

I have only built one of these, a Slite, which is German, made. This particular kit is pretty complicated and since it is currently unavailable we won't spend much time on it. It's sister design the Pures has been re-issued however.

An important consideration before you plunge into one of the several excellent German kits is that the wood sizes being metric are slightly different than what we are used to. This isn't a big deal but you want to consider it. What is a big deal are the instructions not being in English. Yes, there is Google Translate, etc. but for clarity not works like a native language. Countering this is that almost all kits have a thorough build thread on R/C Groups Thermal forum and without that I doubt I would have had the patience to complete my Slite. So think about looking into American-made kits with good instructions.

One thing you'll find in these new kits is that the wood especially in the German kits is really outstanding and well selected. Second, these kits are usually designed with either laser or CNC manufacturing techniques. This all leads likely, to building processes that you might not have any experience with. That was certainly true in my case. This is where those on-line build threads become important.

I'll try to cover just a few kits for you to look into just based on my readings....keep in mind I'm not an expert, I just play one on TV.

**X-RES** - is a German kit (with an English translation by John Read - PPSS Editor) instructions and the plans are in many 11x17 sheets that you may tape together. All that said, this is a fine kit with well-proven performance and not too complicated in design. PPSS has two of them flying built by Bob Avery and Jim Schoon so local help is available should you need it. You can order this from HyperFlight, a UK firm who sells many F3-RES kits.

**YellowJacket** - American-made <https://sonoranlaserart.com/product/yellow-jacket-2m-competition-f3res/> The kit sells for \$189. This is a fast building kit and a very fine performer according to reports. RMSA has a few of them flying and it is well regarded.

**Opal** – American Made and sold by Kennedy Composites - \$180  
<http://www.kennedycomposites.com/opal.htm> I have one of these kits and it is very straight-forward and traditional in design. It is also a fine performer and has placed very high in several big contests.

**Chrysalis Lite** – American made by DJ AeroTech - \$180  
<http://www.djaerotech.com/chrysalis-lite-f3-res/>

This is an offering by a long time kit maker. It is definitely not a traditional design. It is also pretty technique rich in terms of building skills required. If you are an experienced builder don't be afraid of it but I wouldn't recommend it if you are not.

So what's good about the Chrysalis Lite? First, it is a very good performer. It is light, has a thin wing and a pod and boom construction. Personally I really like the wing shape and large V-tail. The designer is very experienced in aerodynamic design and he definitely knows about V-tail design. They have recently re-designed the structure of the V-Tail after some reports of flutter. Aerodynamically everything here is very good but it needs to be built correctly as it is pretty unforgiving.

So this two meter is designed right on the edge of durability in pursuit of lightweight. This is exactly what is needed for high performance and you have to be willing to understand what the Chrysalis Lite requires.

If you want to look around for other options, go to HyperFlight in the UK  
<https://www.hyperflight.co.uk/products.asp?cat=RC+Models&subcat=F3%20DRES+Thermal+Soarers>

Neil operates this business very professionally and has built a big business in the US with rapid and low cost shipping. You can buy from him with confidence.

So you'll see many airplanes available there and of them the AndReas and Samba designs have advocates. Patrick Dennis fly's a

Samba and likes it and Leonard has built a couple of them as well.

Finally please note that many of these F3-RES designs also have an electric version and I suspect that if PPSS indeed goes ahead and incorporates this class into it's competition schedule then the electric versions could be a great option and at a minimum they would be very fine sport flyers.

<p><b>Club Activities etc.</b></p> <p><b>Monthly Meeting</b></p> <p>Monday July 16th – 7:00 PM at Fire Station 20</p> <p><i>Meeting Program – See the announcement for details</i></p> <p>Monday &amp; Wednesday Mornings 9:00AM Pride Soccer Field Woodmen Road followed by lunch at the Village Inn on Woodmen Road. Email Austin at <a href="mailto:w6rml@gmail.com">w6rml@gmail.com</a> to be added to the list. Fun Flying – Electric Saturday Fun Flying Saturday fun flying at the Irma Lane or Sod Farm field. A winch and retriever will be provided. Email Bob Avery at <a href="mailto:rcmwavery@comcast.net">rcmwavery@comcast.net</a> Slope Flying. Email Barry Welsh at <a href="mailto:bxmwelsh@msn.com">bxmwelsh@msn.com</a> to be added to the list.</p> <p><b>Contest information</b></p> <p>See the Contest schedule attached to the current monthly news letter</p> <p><b>Building and Flying Help</b></p> <p>Austin Cleis – 719.495.3177 John Read – 303.648.3261 Milt Woodham – 719.597.8431</p>
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		Tentative Contest and Meeting	Schedule 2018	
January 20	Monday	Monthly meeting		
January 27	Saturday	Barry Welsh	Open/RES/2M	Fun Fly
February 19	Monday	Monthly meeting		
February 25	Sunday	Austin Cleis	Open/RES/2M	Snow Fly
March 19	Monday	Monthly meeting		
March 24	Saturday	Bob Avery	Open/RES/2M	March Madness
April 16	Monday	Monthly meeting		
April 22	Sunday	Randy Reynolds	Open/RES/2M	Humps and Bumps
May 21	Monthly	Meeting		
May 26	Saturday	John Read	Open/RES/2M	May Fly
June 9	Saturday	Leonard Mackey	ALES	Watts-O-Fun
June 18	Monday	Monthly meeting		
June 24	Sunday	Bob Avery	Open/RES/2M	Summer Solstice
July 16	Monday	Monthly meeting		
July 21	Saturday	Greg Tarcza	Open/RES/2M	Height O' the Season
August 11	Saturday	TBD	Night Fly	Howling Coyote and picnic (Members Only)
August 19	Sunday	Annual Picnic		
August 20	Monday	Monthly meeting		
August 26	Sunday	Michael Springer	Open/RES/2M	Dog Daze
September 1	Sunday	Jim Monaco	Open	Challenge Cup (Denver) Contest held at RMSA field
September 17	Monday	Monthly meeting		
September 22	Saturday	Barry Welsh	Open/RES/2M	Soar Bash
October 6	Saturday	Randy Reynolds	Any Woody	Woody Fly-In
October 15	Monday	Monthly meeting		
October 21	Sunday	Dave Laude	Open/RES/2M	Witches Brew
November 19	Sunday	Leonard Mackey	Open/RES/2M	Turkey Shoot (Members Only)
November 20	Monday	Monthly meeting		
December TBD	TBD	TBD	Banquet	Members and Guests
December 15	Saturday	Read's Farm	"Barn Fly"	Members Only

This is the schedule for our 2018 meetings and contest dates. Please note that the Watts-O-Fun and the Turkey Shoot are held on the weekend *before* the monthly meeting. The classes for all scored contests are: Novice, Sportsman, and Open.

The best five scores from March to November monthly contests this year will count toward club standings.

The recommended landing is the L6 runway landing. **Note; CD May change the landing task.**

The Howling Coyote Contest is our night fly contest and picnic; it will not count toward club standings. The Challenge Cup is flown against the Denver club (RMSA). This contest will count toward club standing, if you fly on the PPSS team. The top PPSS pilot will get 1000 points and other PPSS pilots will be scored off that. This contest is not considered an out-of-town contest. It's one of our regular contests. One out-of-town contest score for each class can be scored toward club standings. Please send out-of-town contest scores to Bob Vixie. We fly using the AMA Radio Control Soaring Competition Regulations.