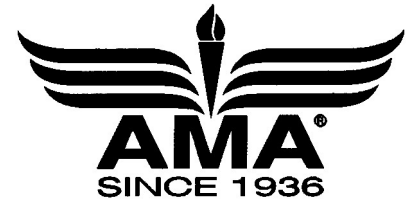


The Seminole Flyer



Charter member of the Academy
of Model Aeronautics since 1969

AMA Charter Club 216



May 2017 Memorial Day Issue

Ready for Memorial Day Weekend Fly-In



Bob and Ed and Jay enjoying our new pavilion tables and starting tables

Our annual Memorial Day Fly-In will be on Saturday, May 27th, 9:00 AM until dark. All types of aircraft are welcome, but we would like to see as many warbirds as possible. A special thanks goes out to Jim Bussey, Gordie Meade, Mike Picou and Tristan Seely for preparing our field and pavilion areas. Jim is working hard in his workshop turning out new starting tables for the field. Gordie and Tristan refurbished our pavilion table tops. And of course, Gordie always keeps the field in perfect condition. We are ready for the big event.

We will be cooking hamburgers and hotdogs beginning at noon. Food and drinks will be available for a small fee.

Enjoy fun flying all day, bring your war memorabilia and stories to share. Bring your friends and family. Meet our new members and rekindle friendships with our long time members. Tents and chairs are welcome.

Flying lessons on our trainer airplanes will be available

for all ages. And, bring your drone and try it out on our mini-drone racing course adjacent to our runway.

There will be a swap meet. So, bring any items that you are willing to part with and gain a little cash. Or, come look for some bargains. As usual, 10% of sales is donated to the SRCC club.

There will be a raffle. However, we need raffle prizes. If you have a plane, flying accessories, LiPo batteries, ball caps, etc. you would like to donate, your club will be grateful.

There is road construction on the entrance road to the field. So, be careful.

If you have any questions or ideas, contact our vice-president and event committee chair, Randy Yarborough. He promises an exciting time for all.

Club Meeting News

Bill Ashbaker for Jeff Owens, Secretary

The meeting was called to order at 7:04 PM on Thursday April 20, 2017 by President Jay Wiggins.

Visitors: No visitors this month.

President's Announcements – Jay Wiggins - Jay handed out AMA recognition pins to the club officers and thanked various members for their service for the club. Of special note are Jim Bussey for building new starting tables and Gordie Meade, Tristan Seeley and Mike Picou for refurbishing the pavilion tables and roof repair. Of course, we are always grateful to Gordie for mowing and keeping the field in top condition.

Jay applied to the AMA for a special club recognition award related to the WFSU video that was aired on TV and is available online.

The Apalachee Regional Park Master Plan which includes our new flying site is scheduled to be presented to the county commission with no changes to our part on June 20th.

Our July 20th Thursday evening club meeting will be held at the field with a cookout and more. The county approved our request to continue after dark for night flying.

Vice-President's Report – Randy Yarborough – The Memorial Day Warbird event is scheduled for Saturday May 27th.

Due to a resurgence in interest in glow engine aircraft, Randy is planning a glow engine clinic for club members in the near future. Jim Ogorek and Tristan Seeley volunteered to help.

Secretary's Report – Bill Ashbaker for Jeff Owens – The minutes of the March meeting were approved as published in the Newsletter.

Treasurer's Report – Bill Ashbaker – The treasurer's report was approved as read.

Safety Officer's Report – Jim Ogorek – There was a discussion on the wisdom of using transmitter straps with a break-away feature. The AMA has recorded a significant number of accidents where whirling propellers get entangled in transmitter straps resulting in serious injury to the face and chest.

Training Officer's Report – Geoff Lawrence – Geoff may not be able to attend the Memorial Day weekend event. However, the training aircraft are ready to go and the other club instructors can take over.

Field Marshal's Report – Gordie Meade – The field was recently mowed. Work is continuing on the new pavilion table tops. The remaining tables and painting will be complete soon.

A new handicap parking sign will be installed.

Old Business – Jim Ogorek volunteered to take the lead for club participation in the October 28th Tallahassee Science Festival.

New Business – The local Experimental Aircraft Association is starting a project to create a museum to feature Dale Mabry Field history and memorabilia. It was suggested that we invite them to a club meeting to make a presentation.

The Seminole Radio Control Club Forum was discussed, briefly. Although it is not heavily used, it is a useful feature of our club that is maintained with minimal cost and effort.

Program – Mike Lassiter demonstrated some fun radio control vehicles constructed from plastic components. As can be expected, they were crashing into each other as soon as members got their hands on the controls.

The meeting was adjourned at 8:06 PM.

Members and Friends News

New Members

We have two new members this month. Please welcome Mike DeShazo and Ken Kushner when you have the opportunity.

Club Receives Award

The AMA announced that the Seminole Radio Control Club is awarded the latest AMA Club Recognition and Reward and a check for \$150. The AMA encourages clubs across the country to take part in events and serve the community in ways that will entice community members to learn more about the hobby of model aviation. Becoming a vital part of our community helps build membership and inspire others, including the youth in our community. To encourage clubs to promote model aviation, the AMA offers clubs cash incentives for positive local media coverage for a public event, public service, club announcement, or other coverage.

Our award is based on the recent WFSU-TV's *Local Routes* Episode 218, which features our club. The episode can still be viewed on the FSU Public Media website at <http://video.wfsu.org/video/3000780981/>

Glow Engine Clinic Anyone?

Vice-President Randy Yarborough noticed a recent national resurgence in the popularity of glow engine aircraft. For those of us who have some glow engine aircraft, he is promoting a club glow engine clinic. Club experts Jim Ogorek, Jeff Owens, Ed Budzyna and Tristan Seeley have volunteered to help lead the clinic. A tentative date is Saturday, June 20th from 9:00 AM to 1:00 PM.

Bring an airplane or just come and listen. A tent will be set up for the clinic and there will be a cookout.

Drone Pilots Beware

French military using winged warriors to hunt down rogue drones



A golden eagle grabs a flying drone during a military training exercise at Mont-de-Marsan French Air Force base, Southwestern France

Spectrum AR636 Receiver

Last month, I shared our experience with Spektrum's DXe programmable transmitter. In retrospect, I may have sounded too critical. The programming is a challenge, but one that can be handled by smartphone and personal computer (PC) knowledgeable people. It is a good radio and, at \$60, a good bargain. Having gone through programming the DXe, I will be happy to share tips and tricks with anyone who is interested.

This month, I will share our experience with another programmable radio, the Spektrum AR636 receiver that we use in one of our trainers . . . Bill Ashbaker

The AR636 six channel receiver represents the latest electronics for control of RC aircraft. It is a "smart" receiver with built-in computer and motion and acceleration sensing gyros. The AR636 was developed to provide full feature control for an RC aircraft and flight stabilization with even with a "dumb" basic four or five channel transmitter. Spektrum refers to the gyro stabilization feature as AS3X technology.

The AR636 receiver does not include SAFE technology. It will not self-right the aircraft through the use of a "panic button." SAFE technology is enhanced circuitry developed by Horizon Hobby and added to the AS3X technology. Currently, SAFE technology is only available installed in aircraft for sale by Horizon Hobby, not in stand-alone receivers.

The interesting thing about programmable radios is they seem to be designed to work with "dumb," that is non-computer partner, radios. For example, the DXe transmitter discussed last month works well with simple receivers. And, the AR636 programmable receiver works fine with an inexpensive non-computer four or five channel transmitter. In fact, if a smart transmitter is paired with a smart receiver, as we did in our club trainer, either the transmitter or the receiver must be dumbed down or they will fight each other. We chose to turn off the computer functions in the transmitter and use the advanced features of the AR636 receiver for our trainer aircraft. The strategy is to let the AR636 receiver system control all of the roll, pitch and yaw functions of the aircraft, i.e. ailerons, elevator and rudder. All other functions such as throttle and gear are controlled by the transmitter.



Repeating what was said last month, the Spektrum PC Programmer app was published almost a year ago, but still has a notice on the website that it is not fully functional. Customers are directed to use the smartphone AS3X Programmer app for programming receiver functions. However, the PC Programmer app must be used to update the receiver operating system called

AirWare by Spektrum. Although, customers are directed to use another PC app called the Spektrum Updater to update the operating system, it doesn't work.

To update the receiver AirWare, the receiver must be registered online and the update downloaded to a PC. However, the receiver's serial number is necessary to register the receiver. The serial number is obtained by connecting the receiver to a PC and PC Programmer before registering. Confusing!

Once the update is downloaded to the PC, use the PC Programmer app to update the receiver. It must be noted that only the registered owner of the receiver can download the file and the file is specific to the individual AR636. You cannot use another receiver's update file to update a receiver.

Once the receiver is updated, switch over to the smartphone AS3X Programmer app to program the aircraft setup and receiver functions. Setup includes items such as switch assignments, wing type and aircraft control surface reverse, subtrims, travel and balance. Functions include exponentials, rates, mixing and stability system gains/priorities. The AS3X stability system can be turned off if you do not want to use it.

Spektrum has an excellent series of videos on their website that explain setup and programming receiver functions. Also, I created a step-by-step procedure for updating the AR636. I will be happy to share. Good luck.

Seminole Radio Control Club

Tallahassee, Florida

Officers

President	Jay Wiggins moonangelb@gmail.com
Vice President	Randy Yarborough rdyarborough@gmail.com
Secretary	Jeff Owens jfolso@comcast.net
Treasurer	Bill Ashbaker bill.ashbaker@comcast.net
Field Safety Officer	Jim Ogorek jim.ogorek@yahoo.com
Field Marshal	Gordie Meade lmeade@fsu.edu
Training Coordinator	Geoff Lawrence k4nkc@comcast.net

Media Managers

Web Master	Jeff Owens jfolso@comcast.net
Newsletter Editor & Publisher	Bill Ashbaker bill.ashbaker@comcast.net

Flight Training

Primary flight training is available by appointment on Saturdays from 10:00 am until 2:00 pm when the weather is nice and not too breezy. Contact the Training Coordinator or one of the instructors to make an appointment:

Geoff Lawrence 850-591-6879

Randy Yarborough 850-523-0020

Jeff Owens 850-545-7482

Jim Ogorek 850-766-2477

Bill Ashbaker 850-656-5932

Troy Emmett 770-546-6199

Field Hours

Electrics/Sailplanes 30 minutes before sunrise until 30 minutes after sunset 7 days/week

Gassers/Nitros 10:00 AM until 30 minutes after sunset except Sunday.
Sunday gasser/nitro flying begins at 12:00 PM.
All gassers and nitros must have a suitable muffler.

The Seminole Flyer is a publication of the Seminole Radio Control Club of Tallahassee, Florida. We welcome and encourage items for publishing in *The Seminole Flyer*. Please submit your suggestions to SeminoleRadioControlClub@gmail.com in Word format. Thank You.

www.seminolerc.com