

## Syracuse Thunderbirds Aero Radio Society



# Plane Propwash



March 2019

Charter 473

**The Next General Meeting will be April 10th, at 7:00 at Walts Hobby Town.**

### 2019 Officers

[Paul Volcko, President](#)  
[Phil Knapp, Vice President](#)  
[Herb Moore, Treasurer](#)  
[Jeff Wolsley, Secretary](#)  
[Peter Seiffert, Safety Officer](#)

Directors:  
Peter Seiffert, 2007-08  
Herb Moore, 2014  
Phil Morgan \*2011-2013

Volunteer Staff:  
[Jeff Wolsley, Propwash Editor](#)  
[Michael Graham, SYG Administrator/Club Historian](#)  
[Paul Volcko, Webmaster](#)  
Ted Anderson, Field Committee  
[Mike O'Neill, Facebook Admin](#)

**The next STARS meeting will be at Walt's Hobby Town, April 10th, at 7:00. As a reminder, the meeting is always the second Wednesday of the month. The STARS monthly meetings will be held at Walt's until Spring 2019.**

### Long Time STARS Member Passes Spring Is Here

Spring officially rolls in on March 20th!

Please mark your calendars for our spring cleanup day, April 13 at 9AM. Aside from the normal rock raking and cleanup work, we will be tearing down the old shed on the west side of the property. Phil Knapp will be bringing a dump trailer for us to use and be taking the debris to the dump during the following week. Reciprocating saws and circular saws, pry bars and hammers, and other demolition tools will come in very handy to make quick work of the tear-down. A ladder or two will help, too, as we take care of the roof. Otherwise bring a rake and some gloves to help get the grounds ready for the 2019 flying season!

Planning for the DII Fly-In and Airshow has begun. As discussed in the March meeting, the committee for the event is Bob Rowe, Peter Seiffert, Phil Morgan, Ed Nans, and myself. If you have any ideas for the event, have contacts that may be of use in making the event successful, or want to get your name on the volunteer list please reach out to someone on the committee.

Otherwise, let's all get ready for a great 2019 flying season! Get your models ready to fly, get your new transmitters programmed, bring the new model box out of the hiding spot and get it built. If you have any

questions, bring them to the meeting discussion we normally have before and after to get some help, or maybe post about it on our club's Facebook page (<https://www.facebook.com/groups/amastars>) with a picture or video of the problem. Have something you want to show to us? Bring it to display and discuss.

One of the ideas voiced at the last two meetings is bringing back the pre/post meeting program. While arranging this is a duty of the Vice President (something I, admittedly, totally fell short on while I held that position) we can all help Phil in making this happen by supplying some ideas or volunteering to do something during a meeting program. This can be anything from showing a new model you've built or new modeling related gadget you're using, to demonstrating a modeling technique or showing how to do some aspect of model setup. Please contact Phil Knapp with your ideas or something you'd like to present. Expect these programs to start up again at our May meeting, the first meeting of the year that will be at the club.

That's all I've got. See you at the next meeting, April 10 at Walt's Hobbytown!

Paul Volcko  
[paul.j@volcko.net](mailto:paul.j@volcko.net)  
315-673-7158

## **Secretary's Report: Jeff Wolsley**

**The March STARS regular meeting was called to order at 7:01. There were 12 Open members, 2 Associate members, 0 Youth members, 0 Guests in attendance.**

### **Secretary's Report:**

The Secretary's Report from the February meeting was accepted as published in the February Propwash. Motion to accept by Peter Seiffert and 2<sup>nd</sup> by Mike Graham. Carried.

### **Treasurer's Report:** Herb Moore

The treasury is in good shape. Taxes have been paid. Not all OPEN members have renewed their membership yet. There was some discussion about expenditures for the DII Fly-In and the Airshow. Motion to accept the Treasury Report by Peter Seiffert and 2<sup>nd</sup> by Ken Kadish. Carried.

### **Committee Reports:**

#### **Field Committee:** Paul Volcko

The repairs are underway on the Simplicity tractor. Bill Whittaker will test out the harley rake in an inconspicuous area to see how well it levels the ground before using it on the main field.

#### **Safety Report:** Peter Seiffert

Nothing new yet. There were no safety issues at the Forum.

The complete AMA safety handbook is available here-  
<http://www.modelaircraft.org/files/100.pdf>

#### **AMA Report:** Peter Seifert

Gold Leader Club paperwork was received.

#### **Flight School:** Paul Volcko

Flight schools will start in the next month.-

Fixed wing- April 18 Pre-flight inspection at the field. Students are to bring their aircraft for inspection so they are ready for school.

Fixed Wing Flight School starts on May 2<sup>nd</sup>.

Heli flight school starts on April 16. See the Calendar of Events for dates and times. In addition to general flight training, this is an opportunity for an experienced pilot to get some help to work out something they feel they need help with.

#### **STARS Web Site:** Paul Volcko

The address is <http://www.amadistrictiistars.org>

Please view the field cam at:

<http://www.amadistrictiistars.org/cameras.php>

This is an infrared cam so you can see some activity at night.

A new antenna is needed to maintain the internet connection.

### **Old Business:**

#### **New Shed:** Paul Volcko

The shed electrical installation has been tested. The connection to the pavilion needs to be completed as soon as weather permits. Lights have been installed. Phil M. needs complete the workbench. There was some discussion about installing vents to let the heat out in the summer.

The commutative plaque is in process. Paul says it may be done by the next meeting.

#### **Snow Fly:** Phil Knapp

The turnout was good. There was a great heli demo. There were some potential flight school candidates in attendance.

#### **Big Bird Giant Scale:**

Big Bird night will be back on Wednesday nights starting on May 1st in 2019. Big Bird rules are as follows- The Club has said we could set up the schedule for every Wednesday. We plan on starting on May 1st and continue every Wednesday until September 18th. The Club meetings are always held on the second Wednesday of the month. We ask that all planes be grounded and members participate in the meeting at that time. We will have the normal gourmet meals available for purchase. A big bird is considered to be 80" mono wing and 60" for biplane but we will also work in other planes as we can. Feel free to bring other than big birds and fly for fun. John Steele and [Peter Seiffert](#)

#### **Control Line:**

[Mike O'Neil](#)- No report

#### **Facebook:**

The STARS now have a Facebook page. There are 118 members at this time. [Mike O'Neil](#) is the administrator.

#### **CNY Model Aircraft Forum:** Peter Seiffert

The Forum was an overall success. Attendance was light. There were people from Utica. The heli guys did a nice flying demonstration. There were a lot of very nice aircraft in the static display. Thanks to all who participated.

The wrap up meeting is this Friday 3/15 at 7:00 at the CIA headquarters. The forum directors welcome any input.

### **New Business:**

#### **Future Planning:**

**Field Clean Up-** April 13<sup>th</sup>. Bring basic yard tools to clean up the driveway, muck out the ditches etc. In addition, the old shed demolition will begin. Phil is bringing a trailer to load the debris on. Bring your demo tools and work out some aggression.

#### **HeliJam:**

Paul Volcko has proposed the HeliJam for June 15<sup>th</sup>. It will be more low key than in previous years. More to follow on this event.

#### **FPV Racing:**

Paul Volcko has proposed the FPV racing event for September 21<sup>st</sup>. This is about a month earlier than previous to try and take advantage of better weather.

#### **DII Fly In:** Paul Volcko

This was voted in at the last meeting. A committee has been formed for the event. Committee members are Phil Morgan, Ed Nans, Paul Volcko, and Peter Seifert. STARS will receive access to the DII mailing list. Eric Williams has provided some of the details on past picnics. Committee members looking at the details.

#### **Guest Columnist:**

If you wish to submit a column of your own, please submit it to the Secretary. All submittals are subject to review by the Officers prior to publishing.

#### **Club Hat Order:**

Bob Rowe mentioned that anyone interested in a new STARS Club Hat can pick one up at Papa's Sports (315-455-7272), 1926 Park Street (at Park and Hiawatha). Bob says they have the STARS club logo in their inventory. They have many different styles of hats. Just ask for the STARS logo on it.

#### **New Members:**

No new members

#### **Other Topics Discussed:**

**Meeting Attendance-** Skip Davis picked up on the topic noted in the BOD minutes on what can be done to increase meeting attendance. Skip

*Continued Next page*

mentioned having an after meeting show and tell or a presentation on a relevant topic. Maybe the club officers could put together a list of topics to be covered at the meetings. It was pointed out that we need to be mindful of the staff schedule at Walt's. They are staying open beyond their normal hours for our meeting and have to get out as quickly as possible. When we move the meeting back to the STARS field in May we can look at doing something after the meeting. *(It would be helpful if the membership came up with some idea for the presentations)*

Personal Achievement- Bob Rowe has become a member of the Syracuse branch of Honor Flight.

Honor Flight provides assistance to our retired veterans by planning and escorting them to honor events all over the world. The program helps those veterans that without it, could not attend these events. Bob has more information if you are interested. <https://honorflightsyracuse.org/>

Adjournment:

The March regular monthly meeting of the STARS was adjourned at 7:44pm.

**Secretary, Jeff Wolsley**

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**Calendar of Events for March and beyond 2019 Events:** *Editor's Note- Also*

*watch your e-mail for sudden changes to events like cancellations or re-scheduling due to weather.*

**March 16-** [Canandaigua Sky Chiefs](#) Swap Meet

**April 18-** STARS Pre-Flight Workshop

**April 13-** [Finger Lakes Air Pirates](#) Swap Meet

**May 1-** Big Bird Night STARS Field

**April 13-** STARS Field Cleanup

**May 2-** STARS Fixed Wing School Starts

**April 16-** STARS Flight School Heli-Night

**June 15-** STARS HeliJam

**The indoor schedule for the 2018-19 season. Please watch this space for schedule changes as they may change suddenly due to weather or other conditions.**

[Camillus Indoor Aviators \(CIA\)](#) Indoor flying at First Baptist Church located at 1960 State Route 5 in Elbridge **NEED TO CONFIRM** Tuesday and Friday 6:00 to 9:00 and the first Saturday of each month 4:00 to 9:00 (2.4GHz only)

[CNY Indoor Flying Society](#) Please visit the web page for details before attending. Sacred Heart Catholic Church on Route 11, Just South of Cicero, NY. **NEED TO CONFIRM** Tuesdays and Thursdays 12:30-4:00. Saturdays 6:00-9:00.

[Walt's Hobby Town](#)- Indoor flying will be available at Walt's during normal business hours. Flying ends 1/2 hour before closing time. \$5.00 landing fee. Please contact Walt's Hobby Town for further details.

[MexAir R/C](#) Indoor flying starting **NEED TO CONFIRM** October 14 thru April, Friday night from 6pm-9pm at the Mexico Elementary School located in Mexico, NY. There is a \$5 charge for any adults who wish to fly. Anyone ages 19 or below fly for free!!

### **STARS Flight Schools-**

**Fixed wing starts April 18 with pre-inspection at the STARS field. Come get your aircraft checked out so it's ready to go on opening night.**

**Fixed Wing Flight School starts May 2<sup>nd</sup> at 5:30. It runs every Thursday, weather permitting, until September 5<sup>th</sup>.**

**Heli Flight School starts April 16<sup>th</sup> at 5:00. It runs every Tuesday, weather permitting, until October 8<sup>th</sup>.**

**Big Bird-** Starting May 1<sup>st</sup>, and every Wednesday night until end of summer.



**Peter received this nice letter from Herb Ziegler thanking him for his support for this year's Forum-**

**From:** Herb Ziegler <[herbz1957@yahoo.com](mailto:herbz1957@yahoo.com)>  
**Date:** March 11, 2019 at 11:30:55 AM EDT  
**To:** "[pseiffert2@gmail.com](mailto:pseiffert2@gmail.com)" <[pseiffert2@gmail.com](mailto:pseiffert2@gmail.com)>  
**Subject:** Thank You!

STARS/ARCS/CNYIFS/CIA/FLAPS

Herb Ziegler

Model Aircraft Forum

7651 W. Sorrell Hill Rd.

Baldwinsville, NY 13027

March 11, 2019

Thank You!

Peter Seiffert

STARS

Dear Peter ,

The STARS (Syracuse Thunderbirds Aero Radio Society), the ARCS (Aero Radio Club of Syracuse), the CIA (Camillus Indoor Aviators), the CNYIFS (Central New York Indoor Flying Society) and the FLAPS (Finger Lakes Air Pirates) would like to thank you for your donation of a Rodeo FX32 Quad to our annual Model Forum along with your personal donation of a field box kit and misc. supplies. Your contributions are always popular with our participants. Your support through the years is greatly appreciated! This is the 23rd year we have held this event and each year it gets better. This was our fourteenth year with indoor electric flying which was a big hit and drew several participants and spectators, several traveling over 100 miles. We are very encouraged by the success of this year's event and look forward to expanding on it in future years.

The event was held at the Syracuse Academy of Science which is a local charter high school. We donated all of the proceeds (\$458.00) to the school to further their science programs. The money that was made from the prize raffle was a significant portion of the proceeds. Without your contribution, this contribution would not have been possible. For more information about the school, please see <http://sascs.org>.

Once again, thank you for your generosity. This event wouldn't be possible without help from people like you.

Sincerely,

Herb Ziegler

President- ARCS

Long time STARS member Art Ezzo has passed. That's exactly how I remember Art at the field.



Hello STARS,

I'm saddened to report that a long time STARS member, Art Ezzo, passed away on Friday, March 22nd. As of right now word is that there will not be any public services or calling hours. However, if that changes we will pass along that information.

If you have pictures or remembrances you would like to share with the membership, you are encouraged to do so at the next club meeting, April 10, or you can send them along to Jeff Wolsley or another officer for inclusion in an issue of Propwash.

Art's son, Robert, is a member of our club as well and is listed on our roster, if you wish to reach out to express your condolences.

<http://obits.syracuse.com/obituaries/syracuse/obituary.aspx?pid=191898903>

Sincerely,  
Paul Volcko

FLAPS *presents:*

*Seventeenth Annual*

# RC Swap Meet & Auction

Saturday, April 13, 2019

*This Year's Location:*

*SAME SUPER SITE!*

*Only 6 Miles from Exit 41*

## Big Prizes!

Seneca Falls Rec Center

35 Water St, Seneca Falls, NY 13148

**Swap Meet - 9:30**

**Auction - 11:30**

*Doors open 9:00 am*

*\$5.00 Admission (ladies & children free)*

*No Auction Fees*

*Tables provided no charge*

*Food and Refreshments available*

*Lots of great RC Planes & Deals*

*Door Prizes & 50/50*

*Raffles for \$900 Cash and other Prizes*



**Directions:**

**From the Thruway Exit 41 (Waterloo):**

Turn right on Route 414 and south to Route 5&20, turn left into Seneca Falls, right on S. Walnut St.

**From the South:**

Take Route 5&20 to Seneca Falls Just east of the Women's Rights Museum is S Walnut St., turn south toward the canal to the SF Rec Center

**New Location for this year's event:**

35 Water St, Seneca Falls, NY 13148

42.9097° N, 76.8018° W

8 miles south of Premium Outlet Mall

6 miles from Exit 41

**Finger Lakes Premier Swap Meet!**

Sponsored by the Finger Lakes Air Pirates Inc.

AMA Gold Leader Club #101

*Visit us on Facebook:*

Finger Lakes Air Pirates

**Join Us for a Good Time!**

**SUPER SITE!**

*Easy Access! - Plenty of Floor Space & Parking!*

*Visit your RC Friends - By the Canal*



# S.T.A.R.S.

## *Flight Training Program*



# 2019



### **When?**

Every Thursday evening from 5:30 PM to Sunset  
May 02, 2019 through September 05, 2019

### **Where?**

At the S.T.A.R.S. field in Phoenix, New York  
649 County Route 12, Pennellville, NY 13132  
N43.23696, W76.24550

### **Who?**

Anyone wanting to learn to fly powered R/C model airplanes!! You do **not** have to be a Club member and all lessons are free. Each student must furnish his/her own plane and radio equipment and also must hold a current membership in the Academy of Model Aeronautics aircraft association in order to fly.

### **PreFlight Workshop**

**Held at STARS Flying Field in Phoenix, NY**  
Thursday April 18, 2019 at 7 PM

### **Interested?**

Contact:

SENIOR FLIGHT INSTRUCTOR: Bob Rowe (315/474-8428)

# *Syracuse Thunderbirds Aero Radio Society*

*Phoenix, NY*

**Charter 473**



# **S.T.A.R.S. 2019 Helicopter & Multirotor Night**

*All skill levels welcome, but must be an AMA member to fly  
and provide your own outdoor capable Heli or Multirotor.  
Build help and flight instruction available.*

**Tuesday evenings - April 16 to October 08  
5PM until Dusk**

**Come out and join us for fun, food and good flying**



Binghamton Aeros'

# Festival of Giants



**August 9 -11, 2019**  
**Chenango Bridge Airport, NY**



**Fri - Sat 10am - 5pm**  
**Sun 10am - 3:30pm**  
**\$20 Landing Fee covers all 3 days**



Celebrating our 34th year with Three Full Days of Fun. Fly from a Full Scale Grass Runway with Wide Open Flying Area. This event is open to all Giant Scale Aircraft\*. Lots of Great Pilot Prizes. Overnight Hanger Storage Available. Onsite Camping Sites (No hookups). Early arrivals on Aug 8<sup>th</sup> welcome.

Event in support of Community Hunger Outreach Warehouse(CHOW)

\* 2m Wingspan min for Monoplanes, 60" Wingspan min for Multi-wing, or at least ¼ Scale if smaller. Jets must have a combined wingspan and fuselage length of at least 130". Current AMA or MAAC Required

Thanks to our Sponsors:



NATIONAL BALSAL



RA Cores



Visit <http://binghamtonaeros.wildapricot.org/> or Contact CD Larry Cobb [cobb99@nep.net](mailto:cobb99@nep.net) , 570-465-7566, or Tony Jensen [tjravenpilot@gmail.com](mailto:tjravenpilot@gmail.com) , 607-644-6873

247 Airport Rd. Chenango Bridge, NY 13901 Field GPS:42.191742N x -75.841305W  
AMA Sanction #7224



# S.T.A.R.S.

## Jacket Order Form



The STARS Club jacket is a blue, three season, satin finished, quilt lined jacket with the Club logo on the back and your name embroidered on the front over the left breast.

The prices: \$88.40 for S, M, L, XL; \$90.40 for 2XL; \$92.40 for 3XL

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Name desired on jacket: \_\_\_\_\_

Send form to: Phil Morgan  
9172 Beach Road  
Brewerton, NY 13029

Checks payable to: Phil Morgan (Not the STARS)

# IMAA Big Bird Safety Checklist

## Balance

Is the longitudinal center of gravity (for and aft) within the range shown on the plans?

Is the model balanced laterally (side to side)?

## Alignment

Are all the flying surfaces at the proper angle relative to each other?

Are there any twists in the wing?

Do the wings and removable tailplane seat properly on the fuselage every time?

Is the engine set at the proper thrust angle as shown on the plans?

## Control Surfaces

Are all control surfaces securely attached? (i.e., hinges glued, pinned). Pull on each one to test.

Are the control horns secured to the model?

## Control Linkages

Have all the linkages been checked to be sure they are secure?

Are the clevises closed? (Keepers or fuel tubing should be fitted to ensure they stay closed)

## Engine / Motor Mount Security and Operation

Are all engine mount screws tight, including mount to bulkhead if applicable?

Are the propeller bolts and/or spinner tight? If a single nut, is there a safety nut as well?

Does the throttle work without binding?

Does the throttle trim tab shut down the engine?

Has the propeller been balanced and checked for damage?

Are the propeller tips painted a contrasting color? (while not essential it makes the propeller much easier to see)

Has the engine been thoroughly test run? (engine idle and throttle up properly)

Is the fuel tank installed correctly? (i.e., carburetor at the same height as fuel tank, fuel tank clunk in proper position and moving freely, fuel lines in good condition and connected to the engine correctly)

## Radio Equipment

Are the receiver and the battery securely mounted and padded with foam to protect from vibration and shock?

Are all the electrical connectors secure?

Is the receiver antenna fully extended and in good condition?

Are the batteries charged and in good condition (check under load with a volt meter if unsure)?

Are all servo securely fastened to the rails or trays?

Are servo arms firmly attached with screw in place?

Are all push rods firmly secured in servo arms (again keepers or fuel tubing should be fitted)?

Are the control throws in the correct direction with proper amount of deflection (as per plan)?

Rudder & tail wheel: Left stick should move the rear of the rudder and tail wheel to the left.

Nose wheel: Left stick should move the front of the nose wheel to the left

Aileron: left stick should move left aileron up and right down.

Elevator: Pulling back on the stick should move the back of the elevator up.

Canard: Pulling back on the stick (elevator) should make the front of the canard move up

Throttle: With trim set fully forward, pushing the stick forward should open throttle fully. With trim set fully backward, pulling the stick back should fully close the throttle.

Has a full range check been performed? (see below)

## Undercarriage (where fitted)

Is the undercarriage firmly attached to airframe and the wheels securely retained?

Does aircraft taxi in a straight line?

## General

Is the covering tight with no visible signs of damage?

Are the retaining bolts in place and secure?

Are all hatches, cowls and canopies secure?

Are all components structurally sound?

Is your name and contact details marked on the model somewhere easily visible? (in case it's lost)

## Range Checking the radio

Verify frequency is available and mark it as yours if necessary.

Turn on transmitter check the correct model is selected (if applicable) and then turn on the receiver.

Important: make sure the transmitter aerial is down fully.

Ask someone to help and walk away from the model until signs of loss of control is apparent. If electric powered ensure that the range is not worse with the motor running.

## Before EVERY flight:

Check the receiver battery pack to ensure enough charge for the flight intended.

Check for damage and the control throw direction of all surfaces.

## Advertisements:



### Store Hours:

Monday/Friday: 9:00am-9:00pm -- Tuesday/Wednesday/Thursday: 9:00am-6:00pm -- Saturday: 10:00am-5:00pm -- Sunday: 11:00am-5:00pm

### Phone Number:

(315) 453-2291

[waltshobby.com](http://waltshobby.com)



**Open 10-7 Tuesday thru Sunday.**

**315-532-6826**

[www.mexairrc.com](http://www.mexairrc.com)

[www.facebook.com/mexairrc](https://www.facebook.com/mexairrc)

**Winner of AMA 2015 Hobby Shop Award  
for signing up new AMA members.**

FOR SALE:

See the Propwash email for a PDF of Dave Mathewson's aircraft for sale.



Aircraft for Sale.pdf

Please visit the Southern Tier RC Swap Shop. Dan Luchaco has included me in his mailing list. The current edition is sent along with the Propwash in the monthly email. All contact information is included with the ads.



Hobby Warranty  
Contact List 2016.xls

*If you want to list modeling items for sale, R/C services offered, or a really neat R/C web site, this would be a good spot. Free for members. Send your advertisement by e-mail to [jwolsley@verizon.net](mailto:jwolsley@verizon.net). Please put STARS ADVERTISEMENT in the subject line.*

### Links-

New website to check out- <http://www.flyboyzblog.com/>

This site has articles pertaining to both full scale and model aircraft. Check it out.

Howard Blair found an interesting video from YouTube on micro flight

<http://www.youtube.com/watch?v=fuoFA2fKjEo&feature=fvst>

Tom Catalino pointed out this site. An excellent site for Lipo battery info-

<http://sites.google.com/site/tjnguytech/charging-how-tos/balance-connectors>

Peter Seiffert sent along the following web site- [www.servodatabase.com/servos/all](http://www.servodatabase.com/servos/all)

## Mike Graham has a torque conversion chart-



### Arming Switch Information-

AMP'D- Arming The Big Boys, by Greg Covey November 2007  
[http://www.rcuniverse.com/magazine/article\\_display.cfm?article\\_id=950](http://www.rcuniverse.com/magazine/article_display.cfm?article_id=950)

RunRyder- How To Make A Spark Arrestor for an ESC by Lucien Miller  
<http://www.helifreak.com/archive/index.php/t-289393.html> look down to the post from gbidwell from 4-24-2011 0601am. That's the exact article that I have from RunRyder.

Note- Many of the newer ESC's have a built in spark arrestor. If you still see and hear the spark, this is a good idea to save the plugs.

### The Link for the AMA is:

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

### The link for the AMA DII Calendar is:

<http://www.amadistrictii.org>

### The link for the club yahoo users group is:

[http://groups.yahoo.com/grjwoup/stars\\_club\\_members/](http://groups.yahoo.com/grjwoup/stars_club_members/) (Don't forget to sign in)

### The link for the STARS club home page at DII is

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

### The link for the STARS club web cam is:

<http://www.amadistrictiistars.org/scam.html>

The Propwash News Letter is also available at YAHOO GROUPS. The current news letter and previous years/months are viewable and printable from there.

Please contact Mike Graham [tanjmg82@aol.com](mailto:tanjmg82@aol.com) to join the STARS Yahoo group. Send Mike an email asking to join from your preferred email account. Mike will then reply with an invite to join the group. The invitation contains the links and instructions necessary to join.



STARS Field Satellite photo

**Need a new sat photo with the new shed!**



## HOW DO I LEARN MORE?

### Get ready to get schooled.

AMA Flight School is a free educational resource for anyone interested in unmanned aircraft systems (UAS) operation and model flying.

Designed to answer the question, "How do I...?", AMA Flight School provides information about topics such as:

- Battery and operational safety
- Building your own multicopter aircraft
- Travelling with your aircraft and batteries
- Participating in the Search and Rescue challenge with UAS4STEM.

Learn more at ([www.uac4stem.org](http://www.uac4stem.org)).

There's a great pilot in you.  
Go find it!

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



### Welcome to the club.

The Academy of Model Aeronautics (AMA) is the largest model aviation organization in the world. At 175,000 members strong, we're standing behind you to give you the support and guidance you need to be successful and, most importantly, have a great time.

AMA members enjoy a suite of great benefits tailored to model pilots such as:

- Liability insurance
- Subscription to *Model Aviation* magazine
- Competition privileges
- Education and youth scholarships
- Flying site assistance

For more information, visit [www.ModelAircraft.org](http://www.ModelAircraft.org).

## THE MOST FUN YOU CAN HAVE (WITHOUT A LICENSE).

### Flying is just for fun.

Currently, no individual or government agency may operate an unmanned aircraft system (UAS), commonly called a drone, in a commercial or public capacity without a Certificate of Authorization from the FAA.

Common examples of prohibited use include, but are not limited to:

- Real estate & wedding photography
- Inspection or surveying services
- Film or television production
- Search and rescue operations

### Interested in commercial or public use flying?

There are options available to you through the Federal Aviation Administration (FAA).



For more information, visit [www.KnowBeforeYouFly.org](http://www.KnowBeforeYouFly.org).



## WE'RE YOUR GUIDE TO RESPONSIBLE FLYING.

Flying guidance provided by the Academy of Model Aeronautics, the world's largest model aviation organization.

## KNOW FLY Here's what you need to know.

Learn more at [www.amaflightschool.org](http://www.amaflightschool.org)



### 1 law Obey local ordinances.

Some municipalities prohibit the operation of unmanned aircraft systems (UAS) in public spaces such as parks and school grounds.

Even if nothing is posted, it's good to check with local authorities before you fly in public spaces.



### 2 limits Fly within guidelines.

These include rules set forth by federal law and guidelines recommended by the Academy of Model Aeronautics (AMA).

- Do not fly above 400 feet.
- Do not fly anything heavier than 55 lbs.
- Do not fly beyond your line of sight.
- Do not fly in high winds or reduced visibility.
- Do not fly under the influence.
- Do not fly within 25 feet of bystanders.



### 3 surroundings Know the conditions.

Don't fly your UAS or model aircraft near bystanders or during emergency situations such as a wildfire, medical evacuation or search-and-rescue operation unless authorized by the proper authorities.

Watch for and avoid potential hazards in your environment such as:

- Manned aircraft
- Unprotected people
- Moving vehicles
- Roadways
- Private property
- Infrastructure
- Deteriorating weather



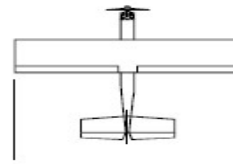
### 4 airspace Share the sky.

The Federal Aviation Administration (FAA) expects all unmanned aircraft systems (UAS) operators to:

- See and avoid manned aircraft
- Be aware of Temporary Flight Restrictions (TFRs) that affect the operation of UAS or remote controlled aircraft.
- Never fly within 5 miles of an airport without contacting airport authorities.



# S.T.A.R.S. Field Rules



## 1. General:

- A. License: All pilots, students, and flying guests *must* have a current membership in a nationally recognized model aircraft association in order to fly. Those pilots participating in the Park Pilot Membership Program must fly models that weigh two pounds or less and be incapable of reaching speeds greater than 60 mph. They must be electric or rubber powered, or of any similar *quiet* means of propulsion.
- B. Spectators: Only those people essential to flight operations will be permitted in the pit area; all others will remain on the spectator side of the fence.
- C. Impound: All pilots, students, and flying guests must place their transmitter(s) in the impound area immediately upon arriving at the field.
- D. Vehicles: Vehicles will not be permitted *on* the flying field.
- E. Crash Debris: Pilots must retrieve all pieces of their aircraft after a crash. Particularly, attention must be made to obtaining all pieces of aircraft that land in the neighboring fields under cultivation.
- F. Trash: All members will take home their own trash.
- G. Alcoholic Beverages: Members will not consume alcoholic beverages prior to, nor during, participation in any *modeling* operations.
- H. Smoking: Smoking will not be permitted in the pit area or on the flight line.
- I. Mowing: Flying on the field will not be permitted if the field is being mowed or maintained.

## 2. Transmitters:

- A. Frequency Control (*For non 2.4 GHz transmitters only*): All members, students, and guests *must make use of the field frequency control system*. Each pilot will obtain the correct frequency flag (or pin) from the impound board and attach it to his/her transmitter before attempting to fly.
- B. Range Checks: Each pilot will conduct a successful radio equipment ground range check before flying a new or repaired aircraft and prior to each flying session.

## 3. Engines:

- A. All internal combustion engines run at the field will have a silencer (except for small displacements of .09 cubic inches or less).
- B. When running an engine in the pits, keep neighboring personnel behind the prop arc.

## 4. Flying:

- A. Boundaries: Flying over the pit area or the spectator side of the fence is prohibited, unless beyond the control of the pilot(s).
- B. Taxing: Taxing is prohibited in the pit area!
- C. Flying:
  - (1). Pilots will initiate their first turn after takeoff away from the pit and spectator areas.
  - (2). Engines will not be started before 9 AM Monday through Saturday and 11 AM on Sunday (*electrics may start at 10 AM*), unless approved by the Event Director.
  - (3). No more than three aircraft will be permitted in the air at one time.
  - (4). All flying will be conducted from the designated flight boxes.
  - (5). Hand launching of aircraft is prohibited from the pits.
  - (6). Flight operations will cease during electrical storms.

## 5. Guests:

- A. All guests must have a current membership in a nationally recognized model aircraft association in order to fly.
- B. Guests may fly at the field only with the approval of a member in good standing and only as long as a sponsoring member *remains at the field*. Guests will not fly unattended.

- C. A local guest will be allowed to fly at the field on three (3) separate occasions and then will be asked to join the Club.
- D. An out-of-town guest may make arrangements with the Club to fly at the field while visiting the area. The Club Officers and the Safety Officer will handle each out-of-town visitor on a case-by-case basis.
- E. *All guests are required to extend every courtesy to current members sharing the same flying frequency*. But when there is a conflict over who shall fly, the Club member will have the first option to fly. Both the guest and the members should use common sense while sharing the flight line or using the same radio frequencies.

## 6. RC Aircraft Utilizing "First Person View" Systems (AMA Document 550):

### A. GENERAL:

- (1). FPV flying of radio control model aircraft by AMA members is allowed only for noncommercial purposes as a hobby/recreational and/or competition activity.
- (2). All FPV flights must be conducted in accordance with AMA's current National Model Aircraft Safety Code and any additional rules specific to the flying site/location.

### B. OPERATIONS – REQUIREMENTS - LIMITATIONS:

- (1). *AMA FPV novice pilots undergoing training with an experienced AMA FPV pilot should use a buddy-box system if practicing at a low altitude (below 100 feet) or practice at a safer, higher, altitude when no buddy-box system is an option.*
- (2). All FPV flights require an AMA FPV pilot to have an AMA FPV spotter next to him/her maintaining VLOS with the FPV aircraft throughout its flight.
- (3). The FPV pilot must brief the FPV spotter on the FPV spotter's duties, communications and hand-over control procedures before FPV flight.
- (4). The AMA FPV spotter must communicate with the FPV pilot to ensure the FPV aircraft remains within VLOS, warning the FPV pilot of approaching aircraft, and when avoidance techniques are necessary.
- (5). The FPV spotter may at any time during an FPV flight acquire the transmitter from the FPV pilot and assume VLOS control of the aircraft.
- (6). If the FPV pilot experiences a problem due to a loss of video link, orientation, or is unable to safely fly, he/she must abandon FPV mode and fly VLOS or pass the RC transmitter to the FPV spotter to assume VLOS control of the aircraft.
- (7). Before initial FPV flight and after any flight system changes or repairs, FPV model aircraft must be test flown by conventional VLOS to determine that flight systems are working properly.
- (8). FPV model aircraft must use frequencies approved by the FCC for both the RC system and the wireless video system. Pilots must meet applicable FCC licensing requirements if they choose to operate the RC flight control system or the wireless video system on Amateur Band frequencies.

### C. RANGE – ALTITUDE – WEIGHT – SPEED:

- (1). One of the requirements in Federal Law (Public Law 112-95 Sec 336 (c) (2) February 14, 2012) for model aircraft to be excluded from FAA regulations is that model aircraft be flown within VLOS of the operator.
- (2). Model aircraft flown using FPV must remain at or below 400 feet AGL when within 3 miles of an airport as specified in the AMA Safety Code.
- (3). Model aircraft flown FPV are limited to a weight (including fuel, batteries, and onboard FPV equipment) of **55 lbs.** and a speed of **100 mph**.



# STARS

## Field Protocol

Dedicated to responsible  
RC fun with safety by  
choice, not chance.

5

### 1. General:

- A. Civil and courteous behavior is required at the field at all times.
- B. Safety is paramount and everyone's business. Use common sense in all matters.
- C. It is strongly recommended that you do not fly alone.
- D. Learn where the First Aid station is located and inform the Field Committee if material has been issued from it.
- E. When opening or closing combination locks, *always* set the wheels to 0000.
- F. Last member out must close and lock the refrigerators, pavilion, and main gate.
- G. Cell phones are not to be used on the flight line or in the pavilion near the transmitters.

### 2. Engine Courtesy:

- A. Long term tuning and initial break-in should be conducted away from the pits and spectators (usually at the engine break-in stand).
- B. Do not direct prop wash at other modelers, their aircraft, equipment, or bystanders behind the pit fence. Kindly inform those bystanders near the fence that you intend to start an engine before you do so.

### 2. Flying Courtesy:

- A. Any person wishing to enter an active flying field or runway to cross same or to retrieve an aircraft, must loudly announce their intention to all fliers on the flight line.
- B. A "landing" aircraft has the right of way over an aircraft "taking-off".
- C. A "dead stick" aircraft has the right of way over all others.
- D. All take-off and landing attempts must be announced to other pilots on the flight line. Take-offs are normally announced by saying "taking off", and landings are announced by saying "landing" or coming in". Dead stick landings are announced clearly to all pilots in the pits and on the flight line by saying "dead stick".
- E. A pilot having difficulty in controlling his/her aircraft must announce to all in the pits and on the flight line that he/she is experiencing radio or mechanical problems. Pilots on the ground preparing to fly will turn off their transmitters and wait for the problem to be resolved before continuing to fly. Fliers in the air will stay clear of the aircraft in distress and will land, if possible, as long as it does not contribute to the crisis. All personnel near the pit area must be alerted to the situation.
- F. If a crash occurs on the field or in the pits, all flying will stop until the accident has been investigated and the debris has been cleared from the field.
- G. Normal flight duration is 10 minutes. Obviously, flight time may be extended if there are no other pilots waiting to fly or waiting for a particular radio channel.
- H. When you have finished flying, please return your transmitter to the impound.

### 3. Good Earth Policy:

- A. Place recyclables in the appropriate container in the pavilion.
- B. Turn off all pavilion lights when departing the field for the night.
- C. The field does not have a trash removal service. If you carry anything to the field, carry it back out.
- D. If a pilot or guest brings a pet to the field, he/she will be responsible for supervising the animal's conduct while at the field. Please observe all appropriate Field Rules.
- E. If you smoke, please place all cigarette butts in the butt cans in the field.
- F. Do not throw cans or bottles or any other trash in the outhouse pits.
- G. DO NOT DRINK THE WELL WATER. Well water is to be used for washing only.

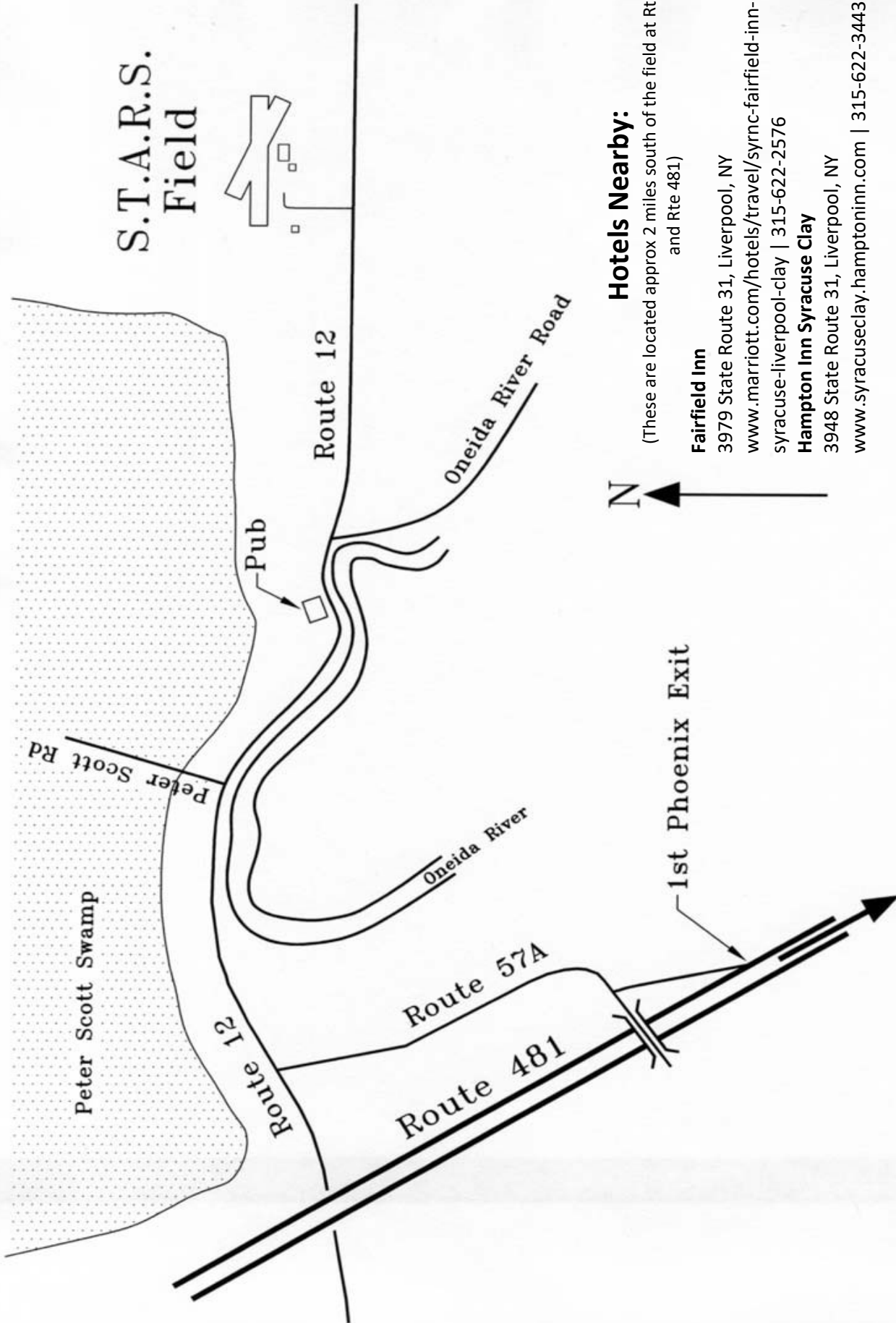
### 4. Replacement Courtesy:

- A. Where an individual's plane or property is damaged by the actions of another individual, it will be the responsibility of the two parties to resolve the situation in an appropriate manner.

## **STARS POLICY REGARDING PHOTOGRAPHY**

- STARS is a membership organization organized under the laws of the State of New York.
- The STARS flying field, located in Phoenix, New York, is owned by STARS, and as such, is privately owned property.
- The purpose of this policy is to limit and restrict the reproduction of images, in any form, of the STARS property and the activities which occur thereon.
- While the STARS property is privately owned, members, guests, and the general public are welcome at the field during published field hours of operation. Members, guests and the public must adhere to all rules imposed by STARS regarding entry upon and/or the use of STARS property, including the STARS policy on photography.
- The reproduction of images of the STARS field or the activities thereon, in any form, is a privilege and not a right.
- Except as provided below, the reproduction of images of the STARS field or activities thereon in any form, including, but not limited to film and digital still photography, and video photography in either film or digital form, is strictly forbidden.
- Violation of this policy will result in immediate expulsion of the violator from the STARS premises, and may subject the violator to criminal and/or civil sanctions and penalties.
- Members in good standing of STARS shall be exempt from the above requirements so long as any images or video produced of the STARS premises or the activities thereon are for personal and non-commercial use.
- Guests and the general public may be permitted to photograph or video the STARS property and activities thereon, but only for personal and non-commercial use, and only with the prior written consent of the Club's executive board.

# Map to the STARS



## Hotels Nearby:

(These are located approx 2 miles south of the field at Rte 31 and Rte 481)

### Fairfield Inn

3979 State Route 31, Liverpool, NY

[www.marriott.com/hotels/travel/syrnc-fairfield-inn-syracuse-liverpool-clay](http://www.marriott.com/hotels/travel/syrnc-fairfield-inn-syracuse-liverpool-clay) | 315-622-2576

### Hampton Inn Syracuse Clay

3948 State Route 31, Liverpool, NY

[www.syracuseclay.hamptoninn.com](http://www.syracuseclay.hamptoninn.com) | 315-622-3443

To No. Syracuse  
and Route 81

N43.23696, W76.24550

starsmap.dwg  
rev 12 Feb 03

*Map to S.T.A.R.S. Flying Field in Phoenix, New York*



Est. 1965

# Syracuse Thunderbirds Aero Radio Society

Online at: <http://www.amadistrictiistars.org>



Charter 473

## Membership Application Form

Date: \_\_\_\_\_

Membership:       Open (\$160 share+\$60 dues)       Extra Family member (\$30.00)  
                           Associate (\$75.00)     Youth (< AMA age 19 - \$0.00)  
                           Park Pilot - Associate (\$75.00)       Park Pilot - Youth (< AMA age 19 - \$0.00)

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone (for roster): \_\_\_\_\_

AMA: \_\_\_\_\_ DOB: \_\_\_\_\_

STARS Member(s) Contacted: \_\_\_\_\_

Primary Interests (Sport, Scale, Pattern, Fun Fly, etc.): \_\_\_\_\_  
\_\_\_\_\_

Email Address (for newsletter and notices): \_\_\_\_\_

Emergency Contact Name: \_\_\_\_\_ Phone: \_\_\_\_\_

|  |
|--|
| <p>You must be a current member of the Academy of Model Aeronautics (AMA) in order to join the STARS. Please show your AMA card to the Officer given this application or include a photocopy of the application for the license.</p> |
|--|

*"I have read and agree to abide by the STARS Field Safety Rules." (on back)*

Submit this form to a Club Officer

Rev 16aug17