

## Syracuse Thunderbirds Aero Radio Society



# Plane Propwash



April 2018

Charter 473

**The Next General Meeting will be May 9th, at 7:00 at the STARS Field.**

### 2018 Officers

[Ken Kadish, President](#)  
[Paul Volcko, 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](#)  
[Bill Whittaker, Field Committee](#)  
[Mike O'Neill, Facebook Admin](#)

**The next STARS meeting will be at The STARS Field, May 9th, at 7:00. As a reminder, the meeting is always the second Wednesday of the month. The STARS monthly meetings will be held at the STARS Field until fall 2018.**

### Final Shed Vote

Finally, the weather is on the road to improvement, and flying activities have resumed in earnest. Finally!

Both Fixed Wing Flight School and Helicopter-Multi Rotor Night have started to for the season accompanied by brisk food sales. Hopefully, our slightly increased food and drink pricing and resulting revenues will help provide increased support our Club. Thanks to both those members procuring our commissary supplies and our 5-star chefs for their efforts and contributions.

As most, if not all of you know, our shed proposal has reached and slightly exceeded our funding goal, and the shed share loan and donation program is over.

The next step is to consider and vote upon any alternative shed proposals, and should alternative proposals not be forthcoming or not approved at our May meeting, construction of the shed based upon the original plan and proposal will proceed.

If you have any interest in participating in the selection process, I urge you to attend the

May meeting and convert your thoughts to action.

There are a number of minor field projects which will need attention in the near future, including maintenance of our picnic and flight tables, so please see a member of the Field Committee if you are interested in helping.

There will short discussion regarding a possible alternative location for our holiday party, and again, should you have any suggestions, please be sure to voice your ideas.

As always, the Club is looking for volunteers. Whether your fancy is working on and/or maintaining the field and clubhouse, cooking, or shopping for supplies (food and drink), we can always use a helping hand.

The next STARS meeting will be May 9, 2018 at the field.

Fly onward!

Ken

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

The April STARS regular meeting was called to order at 7:02pm. There were 14 Open Members, 2 Associate, 1 guest, and 0 youth member in attendance.

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

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

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

There were some field expenses for the culvert repair and the port-a-potty.

There are three open members that have not renewed as of the March meeting who will be put on notice. There are approximately 9 Associate members that have not yet renewed. Membership enforcement was discussed.

Motion by Peter Seiffert and 2<sup>nd</sup> by Lloyd Darrohn. Carried.

### **Committee Reports:**

**Field Committee:** Lloyd Darrohn (*Field Committee Spokesman*)

The culvert under the driveway has been repaired.

Field cleanup will be on April 21st at 0900. Bring the usual tools, especially rakes.

CNY Crops has renewed the lease on the field. The check is in the mail.

**Safety Report:** Peter Seiffert

New membership information is available from the AMA website.

There will be a full review of the STARS and AMA Safety codes at the April meeting. The rules will be read aloud for the membership in attendance.

There is a proposed amendment to the club rules regarding flying after dusk for electric aircraft equipped with lighting.

**Flight School:** Bob Rowe

Both flight schools are starting soon-

Fixed Wing- Starts April 19<sup>th</sup> at 7:00 with inspection of aircraft. Then regular Fixed Wing School starts May 3<sup>rd</sup> at 5:30 and runs every Thursday.

Heli Night starts on April 17<sup>th</sup> at 5:00 and is every Tuesday night.

Both schools are weather permitting. No make up nights.

**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.

### **Old Business:**

**Future Planning:**

Food Sales- Offered for official club events and includes the flight schools. Ed Nans provided a comprehensive listing of products and pricing with competitive pricing information. The product listing was pared down to offer items that can be consistently sold and maintain minimum inventory and least risk to avoid waste. Price was discussed as to what the market will support, and avoid odd pricing that will require loose change to be on hand to complete purchases.

**New Shed.** Ed Nans

There was a lot of enthusiasm at the beginning for Shed shares. The money was coming in quickly, but has slowed significantly. The membership needs to step up. Paul V. has sent out emails to let everyone know where the funding stands.

As of tonight's meeting, we do not have enough shares sold to go ahead with the proposed shed. The original project outline has an alternate shed proposal for this case. There was a motion made by Bob Rowe to vote at the next meeting to look at the alternate shed proposal if all of the shares have not been sold. Herb Moore seconded the motion.

There were 14 Yes and 0 No votes cast. Motion carried.

The Shed Share form is available on line

[STARS Shed Share and Donation Form](#)

The project details are available here

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

Shed shares can be purchased using the form and mailing it in to Herb Moore, or at the STARS meetings.

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

Big Bird night returns in 2018.

May 16

August 1 and 15

June 6 and 20

September 5 and 19

July 4 and 18

### **Control Line:**

Mike O'Neil – Please don't park on the control line circle.

### **Facebook:**

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

### **New Business:**

#### **Snow Fly:**

Sunday March 18<sup>th</sup>. Flying starts at 11:00. Pizza will be served along with other refreshments.

#### **Guest Columnist:**

Paul Volcko has submitted a guest column for this month with an update on the shed share sales and progress. Thanks Paul.

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 Jacket Order:**

Phil Morgan has contacted Papa's Sports, 1926 Park St., Syracuse, 315-455-7272. They are open 9-5:00 weekday. They have a very nice jacket for 80.00 + tax. The price includes embroidery for the STARS club logo.

#### **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:**

Sharon Clayton was proposed as a new member. The membership in attendance voted unanimously to accept Sharon. Welcome to the STARS!

#### **Adjournment:**

The February regular monthly meeting of the STARS was adjourned at 7:54pm.

***Secretary, Jeff Wolsley***

From Guest Columnist Paul Volcko-

Hello STARS member,

As mentioned in an April email, the Shed Project reached its funding goal in April. While there is still a presentation and vote to be had on a proposed change to the type of structure that will be built, work on the site and ground preparation has begun.

The structure type change proposal was discussed at the last meeting and a motion was made and carried to have a presentation of the option for vote at this coming meeting, May 9th. The proposal is to switch from the previously approved wood structure kit (delivered to the club site for the club membership to construct) to a metal building, which will be delivered and installed for us. Initially there appeared to be considerable cost savings involved in going this route, but updated quotes with the proper certifications and snow load ratings has brought the cost to be roughly the same as the wood structure kit. However, the price for the metal building includes installation.

Wednesday's meeting is important as this will be the last discussion and vote on this matter. With funding in place and ground prep work already underway, we must settle on the type of structure that will be built so that we can secure the building permit and initiate purchase and schedule delivery and/or installation for one of the two options. As such, all members are encouraged to attend the meeting. If you cannot attend, but wish to voice support or opposition, please contact an officer prior to Wednesday's meeting so that your input is heard and considered. If you have any questions about the proposal or the building project in general, feel free to contact an officer and/or Ed Nans.

Sincerely,  
Paul Volcko





**Calendar of Events for April to July, and beyond 2018 Events:** *Editor's Note- Also watch your e-mail for sudden changes to events like cancellations or re-scheduling due to weather.*

**May 3-** STARS First night of Fixed Wing Flight School

**June 9-10-** [Thunder of Niagara International Air Show](#), The airshow is free unless you want to purchase VIP tickets.

**July 7-8-** Southern Tier Aero Radio Society Airshow and Fun Fly

**July 13-15** [Geneseo Airshow](#)

**July 21-22** [Valley R/C](#) Fun Fly Sayre, PA.

**July 28-** ARCS Pattern Contest

[Onondaga Model Aircraft Club](#)- Swap meet-date to be announced

**The indoor flying schedule. The indoor schedule is winding down. Please watch this space for schedule changes as they may change.**

[Camillus Indoor Aviators \(CIA\)](#) Indoor flying at First Baptist Church located at 1960 State Route 5 in Elbridge 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. 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 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-**

**April 17<sup>th</sup>- First Heli Night. Meets every Tuesday at 5:00 until October**

**April 19<sup>th</sup>- Fixed wing pre-flight inspection at the STARS field. Then meets every Thursday from May 3<sup>rd</sup> starting at 5:30 until September.**

**Big Bird-** The big bird flyers formal sessions will start May 16<sup>th</sup>. June 6 and 20, July 4 and 18, August 1 and 15, then finally September 5 and 19.



# Shed Share and Donation Form

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

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

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

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

Number of \$50 Shed Shares you are loaning: \_\_\_\_\_

Total Shed Shares loan amount: \$ \_\_\_\_\_

Amount of donation, not repayable, separate from Shed Shares: \$ \_\_\_\_\_

Make checks payable to **S.T.A.R.S.** Form and funds can be mailed to Herb Moore, 645 Gilbert Mills Road, Fulton, NY 13069.

Terms of Shed Shares and Donation Program (condensed, see full details at <http://www.amadistrictiistars.org/shed/shed.html>): All donated and loaned amounts are for use on the Shed Project only and are refundable only in the event that the Shed Project funding goal is not reached and no alternative project plan is approved, by club vote, in its place. All donated funds will be used toward the project first, then loaned amounts. Shed shares are effectively an unlimited term, 0% interest loan to STARS for use on the Shed Project. All Shed Share loans will be unsecured, non-recourse, and not collateralized. Share repayment is by a random selection system on a per-Shed Share basis. While all efforts will be made to repay the Shed Shares as quickly as possible, the STARS Treasurer has discretion to determine when there are enough funds available to repay a block of Shed Shares.

By signing below, I agree that I have read and understand the terms and provisions of the Shed Shares and Donation program, and agree to its terms and provisions.

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

STARS Signed: \_\_\_\_\_ Date: \_\_\_\_\_

# S.T.A.R.S.

## *Flight Training Program*



# 2018



### **When?**

Every Thursday evening from 5:30 PM to Sunset  
May 03, 2018 through September 06, 2018

### **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 19, 2018 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. 2018 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 17 to October 09  
5PM until Dusk**

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



# 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:

From STARS Carl Moore-

2.4 Futaba 7C Transmitter With charger, book, two R617fS receivers \$95.00

2.4 Spektrum DX 7 Transmitter With charger and book No Receivers \$60.00

Transmitter Case, hard side \$ 15.00

Carl Moore 315- 668- 1684

**Please contact the Secretary if you have any RC related items you want to post in the classified ads.**

**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.



**41ST ANNUAL MODEL AIRSHOW & FUN FLY  
CATTARAUGUS COUNTY—OLEAN MUNICIPAL  
AIRPORT—AIRPORT RD., ISCHUA, NY**



**July 7th - 10 AM—5 PM**

**July 8th - 10 AM—3 PM**

- ◆ **AMA OR MAAC REQUIRED**
- ◆ **NO PILOT LANDING FEE**
- ◆ **FOOD TICHETS FOR PILOTS**
- ◆ **FPV DRONE & WING RACING**
- ◆ **CLASSIC CAR SHOW THE 7TH**
- ◆ **FREE FPG-9 MAKE N TAKE**
- ◆ **REFRESHMENTS AVAILABLE**
- ◆ **FULL SCALE GRASS RUNWAY**
- ◆ **WINE AND CHEESE SOCIAL**
- ◆ **FREE VENDOR SPACES**

**Vendor Contact: TOM ORCUTT  
716-373-3190 / papaork@verizon.net**

**CD'S—GARY FITCH 716-341-2813**

**gmfitch@hotmail.com**

**DALE BUTTS 607-587-8315**

**nysp2999@gmail.com**

**COME JOIN US FOR FUN-FLYING-FELLOWSHIP  
FUN FLY COMPETITION EVENTS  
COMMUNITY EVENT WITH A LOT TO SEE & DO!**



**ACADEMY OF MODEL AERONAUTICS**  
*Bringing Modelers Together*



**Free primitive camping—no hookups**

46th Annual



# FUN FLY & FLY-IN

Sat. & Sun. JULY 21-22, 2018



9am to 4pm at VRCMC  
Field in Round Top Park  
off from RT 220  
south of Athens, PA



Junior Class Competition on Saturday.

Open flying all week-end for all entrants.

May have 'Dollar in the Hat' events at noon time.

Entry Fee—\$15. Junior Flyers—\$10. Includes Picnic Meal.

## **Airplanes, Heli's, Quads All Welcome!**

AMA (or MAAC) Required

Trophy & Merchandise Awards

*Free Camping (no hook-ups) - Saturday Picnic Supper*

### ***HELP US CELEBRATE 46 YEARS HOSTING FUN FLYS AND 53 YEARS AS A CLUB !***

For information – contact  
Valley R/C Model Club – Steve Luchaco  
606 S. Elmer Ave. Sayre, PA 18840  
ph (607) 857-3244

[funflysteve@hotmail.com](mailto:funflysteve@hotmail.com)

[WWW.VALLEYRCPA.COM](http://WWW.VALLEYRCPA.COM)



# Pattern Contest (ARCS Club)

JULY 28, 2018 MARCELLUS, NY

## One Day Pattern Contest

Registration at 8:00am

Pilot's meeting at 9:00am

First round starts at 9:15am

If time and weather allows, all classes will fly four rounds.

Lunch provided with coffee and donuts in the morning.

Contestant Judging

Pilot Fee: \$30.00

Club Class Pilots fly for FREE

## Classes Flown

- Club Class
- Sportsman 401
- Intermediate 402
- Advanced 403
- Masters 404
- FAI 406

Contest Director: Michael Gosson

Friday: Field layout and open after 3:00pm for pattern practice.

AMA membership required



AMA Sanction #230

### Location

ARCS Club  
Marcellus Airport  
4910 Limeledge Road  
Marcellus, NY 13108

### GPS Coordinates:

N: 43.011879  
W: -76.349041

Contact: Michael Gosson  
315-729-9093  
mgosson@parish-supply.com

NSRCA.US  
National Society of Radio Control Aerobatics





STARS Field Satellite photo



## 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.

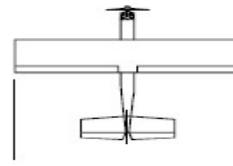
The Federal Aviation Administration (FAA) expects all unmanned aircraft systems (UAS) operators to:

- 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.

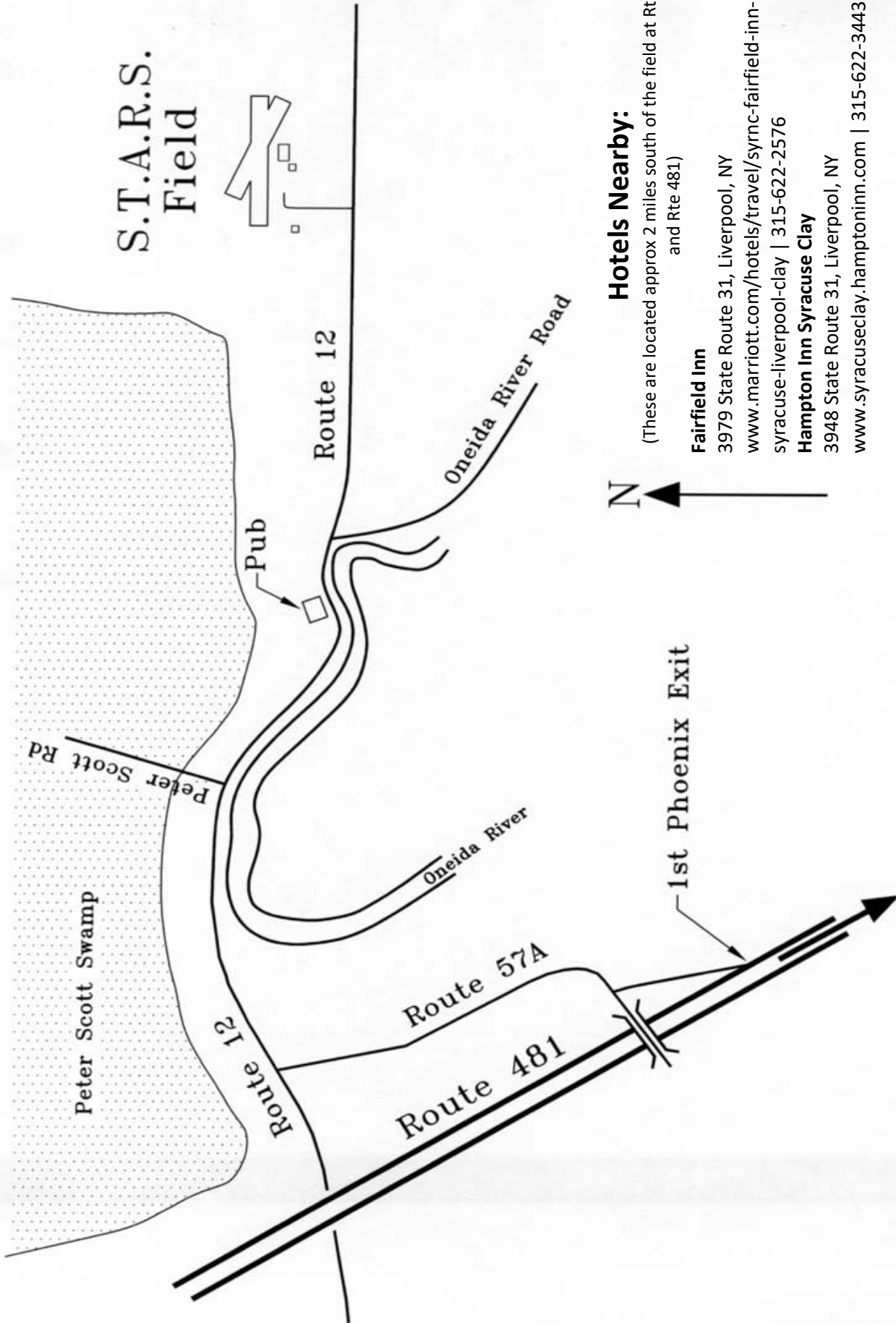
### 4. Replacement Courtesy:

- 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: \_\_\_\_\_

**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.**

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

**Submit this form to a Club Officer**

Rev 16aug17