

## Syracuse Thunderbirds Aero Radio Society



# Plane Propwash



February 2020

Charter 473

**The Next General Meeting will be March 11th, at 7:00 at Walt's Hobbytown.**

### 2020 Officers

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

Directors:  
Michael Graham  
Herb Moore, 2014  
Phil Morgan \*2011-2013

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

**The next STARS meeting will be at Walt's Hobbytown, March 11<sup>th</sup>, 2020, at 7:00. As a reminder, the meeting is always the second Wednesday of the month. The STARS meetings will be held at Walt's until spring 2020.**

### Spring is Right Around The Corner

Spring and the 2020 flying season are almost here!

The spring swap meet season is already upon us. Be looking for deals at events hosted by the Sky Cheifs, Finger Lakes Air Pirates, and others. Not to mention the swap shop tables at the upcoming Model Aircraft Forum here in Syracuse on March 14th!

Speaking of the Model Aircraft Forum, it is Saturday, March 14th from 9 AM to 3 PM at the Syracuse Academy of Science Charter School. As usual, there will be the swap shop, indoor flying in the large gym upstairs, and space for static displays (all members are encouraged to bring something to show off), and raffles. The steering committee has more demonstrations planned for this year along with a return of the presentations and discussion sessions in the upstairs art room. Topics for these will be foam model construction, foam model repair, soldering, turbine engine demonstration (outside!), and presentations of soaring, Spektrum transmitter programming, FAA regulation Q&A/discussion, and some others. Coffee and donuts will be available in the morning, Pizza and drinks will be available for lunch. Please come out and make a day of it! There

are more details included on the flyer later in this issue.

As things thaw and we get some warmer temps, we will be having a workday at the field, likely on March 21 or 28 depending on the weather report. The purpose of this workday will be to clear out overgrowth along the ditch running on the west side of the property from the road to where it turns west through our neighbor's property. This area has grown in over the years and is in need of clearing to help us manage drainage.

Bob Rowe and Josh Weaver have begun planning for the drainage and field leveling project this year. Bob will be giving an update on this at our March meeting. This project will span over at least a few months and will need the help of many members to make it happen. More will be posted on this in the coming weeks as details are figured out.

And our intrepid field committee will be getting going soon, too. We've already had a couple of people volunteer to help with mowing and other field maintenance work this season. We need more. Specifically people willing to help work on maintaining the equipment. If you can do oil changes, grease machinery, etc. or are willing to learn the ropes please get in touch with myself or someone on the

- Continued next page -

2020 STARS dues are due. There is a \$20.00 late fee due since the February meeting has passed. Dues can be sent to the Treasurer at any time. (Herb Moore 645 Gilbert Mills Road Fulton, NY. 13069)

committee to volunteer. Our club depends too much on a handful of people to keep the grounds in such good shape. We need more people to help lighten that load.

At our February meeting, we conducted the vote on the Proxy voting amendment, which passed. Details on the vote are later in the meeting minutes section of this issue. Thank you to all that voted. On future votes, if you aren't going to be present, you may request any other open member in attendance at the meeting to act as your proxy. As part of vote counting we will add a call for proxies.

Lastly, the AMA call to action to submit comments on the Remote ID rule proposal has ended as of March 2nd. In the end, a total of over 52,000 comments were submitted on this FAA proposal! This is a huge number of comments for an FAA rulemaking. AMA members are to be commended for their efforts in making their voices heard on this issue. It will be some time now before we hear from the FAA on this subject, as they are required to read all the comments, tabulate

issues, and write responses. From there they will amend their proposal and resubmit it for comment or publish a final rule with an effective date. While this is all going on AMA will continue to work through congress to get some support for getting the FAA to back off their attempts to so dramatically regulate the recreational community. If you'd like to help in that effort you are encouraged to write or call your congressional representatives to help make them aware of the issue, bring their attention to what has just happened with the NPRM comment period, and ask for their support for the recreational modeling community. Congressman Katko, in particular, is a good one to contact since he is on the Aviation subcommittee, which has direct oversight over the FAA.

See you at the next meeting and at the Model Aircraft Forum!

Paul Volcko  
[president@amadistrictiistars.org](mailto:president@amadistrictiistars.org)  
315-673-7158

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

The February STARS regular meeting was called to order at 7:00 by President Paul Volcko. There were 12 Open members, 4 Associate members, 0 Youth members, 0 Guest in attendance.

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

The Secretary's Report from the January meeting was accepted as published in the January Propwash. I noted that Peter was not there to challenge me on my latest Propwash flub. Motion to accept by Lloyd Darrohn and 2<sup>nd</sup> by Herb Moore. Carried.

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

Federal and state taxes will be paid in a couple of weeks. Dues are coming in. There are 6 open members with outstanding dues. 2<sup>nd</sup> penalty for late dues is in affect after the February meeting. Motion to accept the Treasury Report by Howard Blair and 2<sup>nd</sup> by Lloyd Darrohn. Carried.

#### **Correspondence:**

None

#### **Committee Reports:**

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

Paul spoke for Bill Whittaker- The mower reels will be sharpened in late March.

Bob Rowe and Josh Weaver will present a drainage and leveling plan at the March meeting.

##### **Safety Report: Jeff LaPorte**

Welcome aboard, Jeff.

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

#### **AMA Report: Phil Morgan**

Phil made a plea of the membership to respond the FAA remote ID requirement. The deadline for responses is **March 2<sup>nd</sup>**.

You are urged to use your own personal impact statement. It will have more traction than the template than the AMA created.

Gary Brown also provided some additional information. He has met with Jim Kieb, the District Director for Congressman John Katco. Gary sited three separate articles from Model Aviation, Rich Hanson- Jan 2019, Tyler Dobbs- May 2019, and Rich Hanson- July 2019. You re urged to contact your local federal representative and give them a personal impact statement, in addition to the FAA personal impact statement.

Gary also sited information about Peter DeFazio, 4<sup>th</sup> District of Oregon., long term FAA reauthorization-  
<https://defazio.house.gov/media-center/press-releases/defazio-announces-house-passage-of-bipartisan-long-term-faa>

Mr. DeFazio wrote-

#### **" Encourages Innovation In Aviation**

- Authorizes FAA to fully regulate hobby and recreational unmanned aircraft systems (UAS) in order to ensure the safety and security of U.S. airspace; and
- Advances the safe and efficient integration of UAS into U.S. airspace through the development and testing of new UAS

technologies and directing the FAA to move forward with authorization of advanced UAS operations (e.g., package delivery).

It would be a good idea to include Mr. DeFazio in your personal impact statement. You will need to do it through your local Congressional Representative because Mr. DeFazio's website does not accept zip codes outside his district.

If you don't know who your representative is, or how to contact them-

<https://whoismyrepresentative.com/>

Put in your zip code and it will tell you the representatives and their contact information.

**See Paul's comments in the editorial immediately after the meeting minutes. March 2<sup>nd</sup> is the deadline for comments to the FAA.**

You can submit your comment at this website: <https://www.regulations.gov/comment?D=FAA-2019-1100-0001>

The Remote ID proposal can be found here: <https://www.federalregister.gov/documents/2019/12/31/2019-28100/remote-identification-of-unmanned-aircraft-systems#>

AMA has provided example comments covering a number of aspects to the proposal, which you can use to help you in writing your comment. Those are available here: <http://amablog.modelaircraft.org/amagov/2020/01/20/submit-a-formal-comment/>

AMA has submitted their comment to the NPRM. This document can be found here: <http://amablog.modelaircraft.org/amagov/2020/02/28/ama-submits-official-comments-on-remote-id-proposal/>

**If you are interested in viewing any of the comments-**  
<https://www.regulations.gov/docketBrowser?rpp=25&so=DESC&sb=commentDueDate&po=0&dct=PS&D=FAA-2019-1100>

The STARS website- <http://www.amadistrictiistars.org/>

The STARS Facebook page-  
<https://www.facebook.com/groups/amastars/>

The AMA registration label is available here:  
<https://shop.modelaircraft.org/product/airplane-id-label-10pk/398?cp=true&sbp=false>

This is a 10pk of labels for 3.99.

**Flight School:** Bob Rowe

Nothing to report on either fixed wing or heli.

**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:**

### **Big Bird Giant Scale:** Phil Knapp

Phil and Mike Amie will be hosting the Big Bird nights. Wednesday is the designated night again for 2020.

### **Control Line:** Mike O'Neill

Mike reported at the November 2019 meeting that there are several vintage and classic control line kits on his website under the STORE tab-  
<https://www.flyboyzblog.com>

### **Facebook:**

STARS has a Facebook page. There are 118 members at this time. [Mike O'Neill](#) is the administrator.

## **New Business:**

### **STARS By-Law Amendment Proposal:**

Paul Volcko reviewed the proposed amendment to Article 12 allowing proxy voting.

The vote was taken amongst the open membership in attendance. There were 10 for and 2 against. The amendment passed.

### **New Members:**

No new members proposed.

### **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.

### **STARS Meetings at Waltø:**

The regular STARS monthly meeting will continue at Waltø Hobbytown until spring. Waltø is making their facilities available to us after normal business hours so we can hold our meetings there. We will be looking for a different meeting site for the 2020 fall/winter meetings.

### **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.

### **Adjournment:**

The February 2020 regular monthly meeting of the STARS was adjourned at 7:40pm.

***Secretary, Jeff Wolsley***

## Paul Volcko Editorial on FAA Proposed Remote ID Requirements-

Hello,

As most of you are aware by now, the FAA announced a proposed rule for implementation of Remote ID on small UAS back on December 26th. This is a proposed rule, not the final rule. But the time to make your voice heard and to get changes made to this rule is now.

The proposed rule is available here:

[www.federalregister.gov/documents/2019/12/31/2019-28100/remote-identification-of-unmanned-aircraft-systems](http://www.federalregister.gov/documents/2019/12/31/2019-28100/remote-identification-of-unmanned-aircraft-systems)

This would apply to all R/C flying models and drones, recreational and commercial, weighing between .55lbs and 55lbs, just like the registration/marking and altitude limit rules previous to this.

Since this rule was published the AMA, EAA, AOPA, various drone specific organizations, as well as commercial interests have been pouring over the document. Normally we would have had strong guidance from the AMA shortly after this proposal was published in the federal register, but due to the scope and complexity of the provisions of this proposed rule it has taken substantially longer than normal to come up with responses on the major issues.

AMA initially released a template that covered only a few of the issues of the proposed rule, which is why I have held off on suggesting to our club's members to use the template to submit a comment. However, today AMA did come out with additional templates which cover other major issues. I believe that their guidance through these templates is now substantial enough to be used for writing up your comment(s) on this proposal.

The AMA guidance, templates, and link to the comment submission site are located here:

[amablog.modelaircraft.org/amagov/2020/01/20/submit-a-formal-comment/](http://amablog.modelaircraft.org/amagov/2020/01/20/submit-a-formal-comment/)

I do not know if AMA will be providing additional templates in the future. Given the complexity and scope of this proposal by the FAA, it is quite possible that AMA will find additional areas ripe for comment. So I suggest to check back at that site weekly, even after you submit a comment, to see if additional templates or issue areas are posted by AMA. You are allowed to write multiple comments. So if you wish to break up your thoughts into more manageable chunks for FAA review, you can do so. If you want to submit one comment per AMA template you can. If you want to combine the contents of the three templates, and perhaps additional content, into a single comment you may. If you find that there is an area you missed in a previous comment that you'd like to comment on, you are encouraged to do so through a follow up comment.

If you will be using these or any other templates I **strongly suggest** that you do not use them 100% verbatim. In particular at least the opening paragraph of your comment should be tailored to you personally. The FAA responds better to data, facts, and statements of either personal impacts or impacts that you have first hand knowledge of, than copy and paste comment campaigns. By modifying or writing an opening paragraph on your own, you make your comment stand out as unique when they are reviewing.

AMA and EAA (and likely others) have already submitted official requests to extend the comment period on this proposal, but as of right now the deadline to submit comments is **March 2, 2020**. Make sure to submit your comment(s) by this deadline, unless you hear from AMA or in a club email that the deadline has been extended.

Some are opting to also write congressmen, senators, and the President about this FAA proposal to request their attention and assistance in getting the FAA to dial back the impact on the recreational R/C flying community. The AMA is not yet requesting this action, but if you'd like to take that additional step it certainly wouldn't hurt. The AMA government affairs team did describe in a recent blog post that they have begun meeting with congressmen and senators about this FAA proposal

[\(amablog.modelaircraft.org/amagov/2020/01/20/government-affairs-update-1-20-2020/\)](http://amablog.modelaircraft.org/amagov/2020/01/20/government-affairs-update-1-20-2020/) and that they will likely be making a request to contact representatives at some point in the near future.

AMA is asking that if you know of any non-modelers who may be impacted to ask them to submit a comment too. For instance, if you know any teachers or educators that have seen the benefit of R/C flying, see if they'd be willing to write a comment. Maybe get family members to write and submit a comment.

Lastly, at our January meeting I said I'd be posting up my notes on the proposed rule and the text of my comment. I am finishing reading the proposal and making notes, and will be writing my comment this week. When I have submitted my comment, I will send the notes and comment text along in another club email. If you want to discuss this request by the AMA, the proposed rule, or comments please feel free to reach out to me.

Thank you,

Paul

315-708-2009 / [paul.j@volcko.net](mailto:paul.j@volcko.net)

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## Calendar of Events for January and beyond: *Editor's Note- Also*

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

**March 1-** STARS Snow Fly

**March 14-** Model Aircraft Forum

**March 21/28-** STARS Field Clean Up

**March 21-** [Canandaigua Sky Chiefs](#) Swap Meet

**April 14-** Heli Night/Flight School begins

**April 18-** [Finger Lakes Air Pirates](#) Swap Meet

**April 23-** STARS Pre-flight check out for  
Fixed Wing Flight School

**May 7-** Fixed Wing Flight School begins

**June 6-7-** [Canandaigua Sky Chiefs](#) pattern  
Contest

Click here → [AMA DII Additional events](#)

**June 26-27-** [Warbirds Over Chenango  
Bridge](#)

**July 11-** STARS HeliJam Rain date is July 12

**August 7-9** ó [Festival of Giants](#)

**August 15** ó *NEW DATE* STARS Airshow  
Aug. 16 rain date

**Sept. 12-** STARS Quad FPV racing

**Oct. 3-** Ringmaster Fly-a-thon

**STARS Flight Schools-** *Now it's too late to join a flight school!*

*2019 Flight Schools have come to an end. See you at the 2020 Flight Schools.*

**Fixed Wing Flight School – Preflight workshop/inspection 04/23. Classes start May 7 and run thru September 3<sup>rd</sup>.**

**Heli Night – Classes start April 14 and run thru October 6<sup>th</sup>.**

**Big Bird-** Has finished up for the 2019 season. Thanks to everyone who attended. Big Bird night will return in 2020.

**The indoor schedule for the 2019-20 season is up and running.**

[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 Hobbytown-](#) 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 Hobbytown 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!!





# S.T.A.R.S.

## Annual 2020 Snow Fly



### When?

**Sunday, 01 March 2020**

11 AM to 4 PM

### Where?

**S.T.A.R.S. Field in Phoenix, NY**

(See map on back)



**Admission: *NONE***



**Open Flying - fly when you are **warm** enough!**

**Heated, enclosed pavilion.**

**Power available for charging batteries.**

**Lunch will be served.**

**Come and fly all day!**



***For more information, contact:***

***Paul Volcko, President: 315/708-2009***



**Sponsored by the Syracuse Thunderbirds Aero Radio Society, Inc.**



Aero Radio Club of Syracuse  
Syracuse Thunderbirds Aero Radio Society  
Central New York Indoor Flying Society  
Camillus Indoor Aviators  
Finger Lakes Air Pirates



**Jointly Present the 24th Annual**

***MODEL AIRCRAFT FORUM***

***and Electric Fly-In***

***[Swap Shop, too!]***

**Saturday, March 14, 2020**

**9 AM to 3 PM**

at

***Syracuse Academy of Science Charter School***

***1001 Park Avenue, Syracuse, New York, 4 blocks from Hiawatha Exit off 690 East***

***AMA Sanctioned! AMA membership required to fly!***

**ELECTRIC and RUBBER FLYING HELD in 80' x 80' x 24' INDOOR GYM**

**AIRCRAFT STATIC DISPLAY - FPV Flying in Gym**

**Swap Shop (no commission)**

**STARS/ARCS FLIGHT SCHOOLS signups - RC FLIGHT SIMULATORS**

**Informational Sessions conducted through out day**

**HOBBY VENDORS**

***Refreshments available***

**Admission - \$5.00**

**Children 12 and under - free**



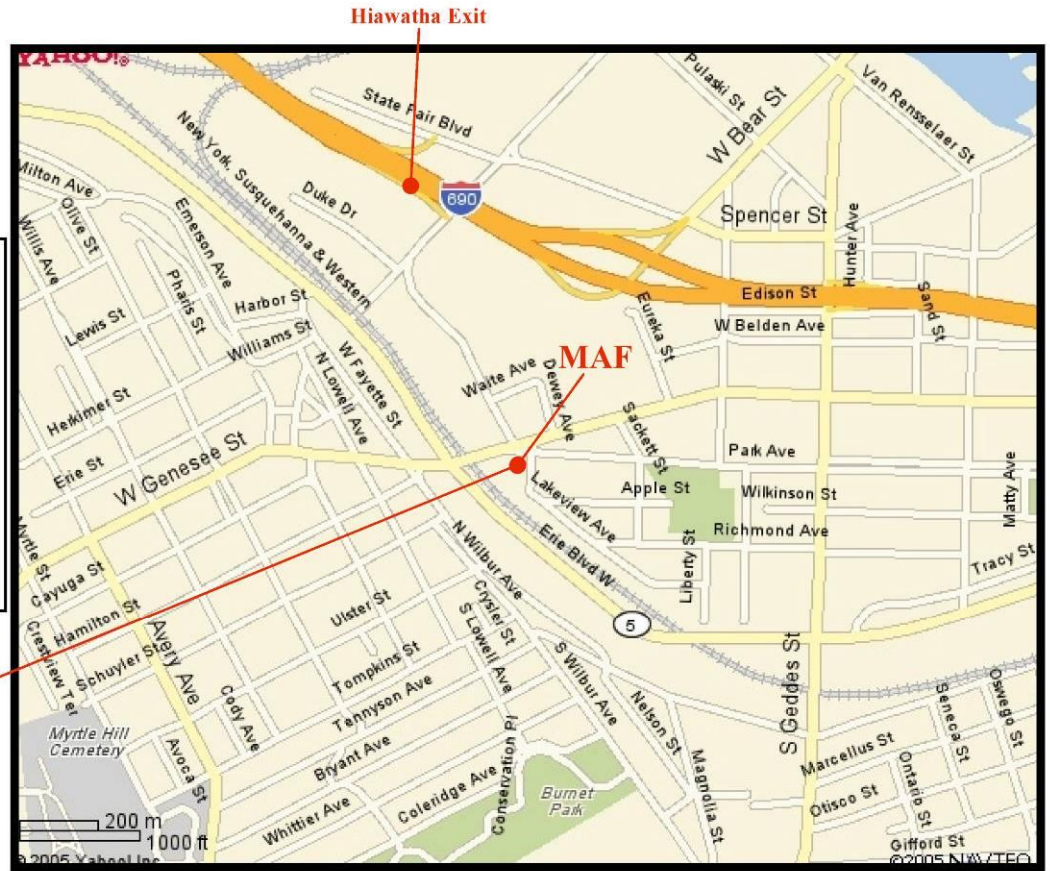
**For more information, contact:**

**Phil Artese at 315/382-5841 or Herb Ziegler at 315/857-6266  
nyflyer56@aol.com and herbz1957@yahoo.com**

The location of the Syracuse Academy of Science is just off West Genesee Street. It's diagonally across from the Harrison Bakery.

Parking is off street and immediately outside the gymnasium on the school grounds.

76° 10' 51"W , 43° 03' 12"N



Plenty of room for flying your indoor models here!! Tables will be setup on the stage for working on models and charging them.

If you have models to display or a booth to set up, the room below the flying area can accommodate all your needs.

Concession stand will be open during the day for hot sandwiches and cold drinks.







## CANANDAIGUA SKY CHIEFS

*Proudly announce the*

**33<sup>rd</sup> Annual**

**Mike Howell Memorial**



# Swap Meet & Auction

*At our new home:*

**RHONDA'S AUCTION HOUSE**

**6980 Route 5&20, Bloomfield NY**

**Corner of Rts. 5&20 & Rt. 444**

**(Look for "Peddlers Antiques" Sign)**

**More Space  
Tables & Chairs**

**Lots of Easy  
Parking**

## Saturday, March 21, 2020

**Doors open 9AM**

**Adult Admission - \$5**

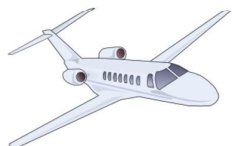
**Ladies and kids under 12 are FREE**

**All RC Equipment and Models welcome!**

**Vendors welcome, No commissions or Fees**

**50/50 Raffles**

**World Famous CHIEFS Snack Bar**



*For more information contact:*

**Bob Senn**

**[rsenn1@rochester.rr.com](mailto:rsenn1@rochester.rr.com)**



*Visit:*

**[www.facebook.com/CanandaiguaSkyChiefs](https://www.facebook.com/CanandaiguaSkyChiefs) OR [www.canandaiguaskychiefs.org](http://www.canandaiguaskychiefs.org)**

***Come & Visit with your summer flying friends!***

# S.T.A.R.S.

## *Flight Training Program*



# 2020



### **When?**

Every Thursday evening from 5:30 PM to Sunset  
May 07, 2020 through September 03, 2020

### **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 23, 2020 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. 2020 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 14 to October 06  
5PM until Dusk**

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



# 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)

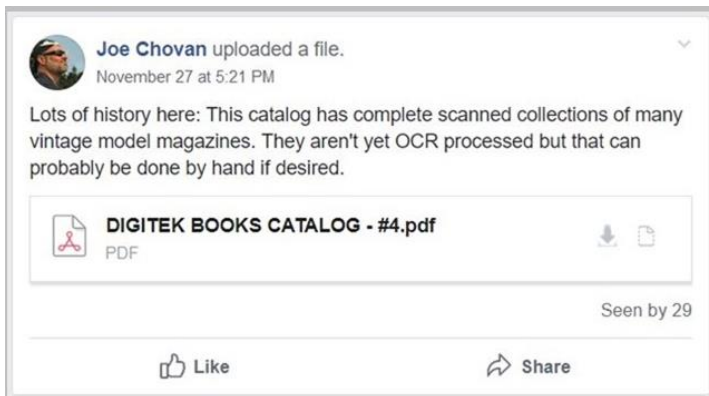
**Winner of AMA 2015 Hobby Shop Award  
for signing up new AMA members.**

### FOR SALE:

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.

*Michael Graham Forwarded this- Digital Magazine Copies For Sale*

### DIGITEK BOOKS CATALOG - #4.pdf



So, I downloaded the pdf and it is attached.

Roland Friestad evidently owns the Digitek Book company and has a nifty way of doing business:

ORDERS ARE BURNED TO A FLASH MEMORY DRIVE THAT PLUGS INTO A USB PORT AND ACTS JUST LIKE ANOTHER DISK DRIVE - ALLOW UP TO 10 DAYS TO PROCESS YOUR ORDER.

ORDERS ARE SENT VIA FIRST CLASS MAIL - POSTAGE IS PAID FOR DELIVERY WORLD WIDE AT NO ADDITIONAL COST.

**IF THE TOTAL COST OF YOUR ITEMS IS LESS THAN THE MINIMUM ORDER OF \$25.00, AN ADDITIONAL CHARGE WILL BE ADDED TO YOUR ORDER TO MAKE THE MINIMUM ORDER AMOUNT OF \$25.00**

**NOTE --- FOR ORDERS TOTALING LESS THAN \$25 YOU MAY AS WELL ADD ADDITIONAL ITEMS SINCE YOU WILL BE PAYING THE \$25 MINIMUM EITHER WAY.**

*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-**

This Mike O'Neill's 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/tjinguitech/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-



Servo Torque  
Conversion Chart.pdf

## **Arming Switch Information-**

AMP- 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 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 [tanimg82@aol.com](mailto:tanimg82@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.

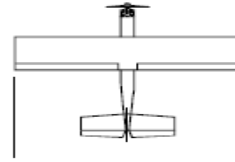


STARS Field Satellite photo

**A satellite photo with the new shed is still not available**



# STARS 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.

### 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.

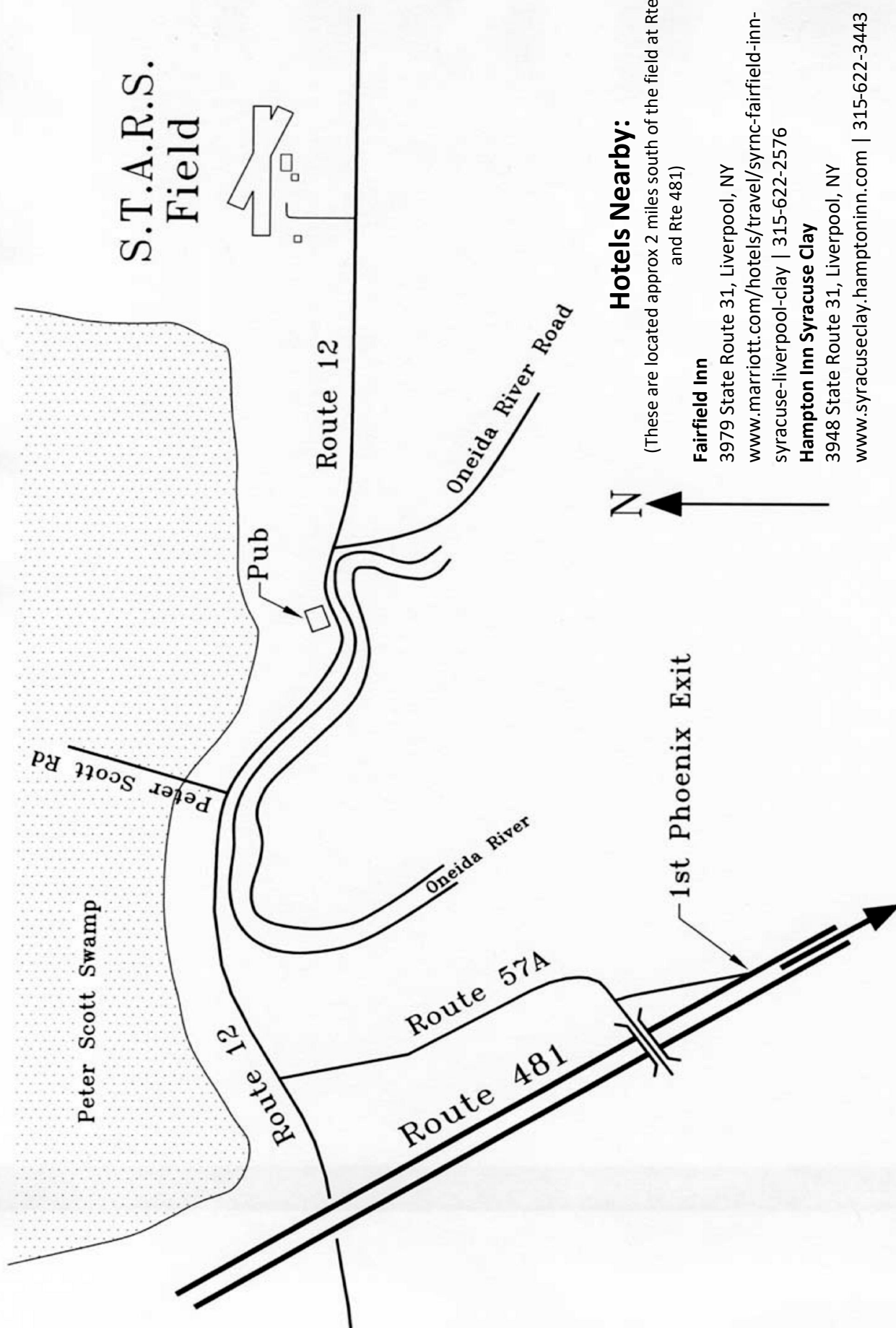
### 4. Replacement Courtesy:

- 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



S.T.A.R.S.  
Field

Route 12

Oneida River Road

Pub

Peter Scott Rd

Peter Scott Swamp

Route 12

Route 57A

Route 481

Oneida River

N

1st Phoenix Exit

## 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