

Syracuse Thunderbirds Aero Radio Society



Plane Propwash



February 2018

Charter 473

The Next General Meeting will be March 14th, at 7:00 at Walt's Hobby Town.

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](#)
Ted Anderson, Field Committee
[Mike O'Neill, Facebook Admin](#)

The next STARS meeting will be at Walt's Hobby Town, March 14th, at 7:00. As a reminder, the meeting is always the second Wednesday of the month. The STARS monthly meeting will be held at Walt's Hobby Town until spring 2018.

Shed Vote

Meteorologically, winter will be over very soon...I hope the snow gets the message!

March 11, 2018 brings the return of daylight savings time!

March 20, 2018 marks the first day of spring!

April 17, 2018 marks the beginning of Helicopter and Multi-Rotor night at the field at 5:00 p.m., Fixed Wing Flight School Workshop is on April 19, 2018 at the field at 7:00 p.m., and Fixed Wing Flight School starts May 3, 2018 at 5:30 p.m. at the field.

Please remember that we will have food and drinks available for both evenings during the flying season.

The STARS Annual Snow Fly took place on March 4, 2018 to moderate although somewhat windy conditions. The event was very well attended. Thanks to the volunteers

for making sure the driveway was cleared and that food and drink were provided for members and guests.

Funding for the shed project has begun, and we are off to a good start. If you are interested in loaning or donating monies for this project, please check the website at <http://www.amadistrictiistars.org/shed/shed.html>

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 March 14, 2018 at Walt's, and I hope to see you all there.

Fly onward!

Ken

2018 STARS dues are due. Dues can be paid at the March monthly meeting. Dues can also be sent to the Treasurer at any time. (Herb Moore 645 Gilbert Mills Road Fulton, NY. 13069) After the February meeting, there is a \$20.00 late fee now that the February meeting has passed.

Secretary's Report: Jeff Wolsley

The February STARS regular meeting was called to order at 7:024. There were 14 Open Members, 1 Associate, 0 guest, and 0 youth member in attendance.

Secretary's Report:

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

Treasurer's Report: Ken Kadish

Ken filled in for Herb. 2018 dues are coming in. The Club Charter renewal is due. The treasury is in good shape for this time of year. Motion by Lloyd Darrohn and 2nd by Skip Davis. Carried.

Committee Reports:

Field Committee: No report for the February meeting. The lock combinations have been changed for 2018.

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

No report

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. More variety of products offered other than just hot dogs and hamburgers. There will be a slight increase in sale prices to cover our cost increase.

New Shed. Ed Nans

The Shed Proposal, as outlined in the January Propwash, was put forth for vote.

1st Proposal- Accept the shed as outlined in the documents provided in the Propwash

Motion by Peter Seiffert, 2nd by Mike Graham - Carried.

2nd Proposal- Fund the shed project by the sale of Shed Shares as outlined in the Propwash.

Motion by Lloyd Darrohn, 2nd by Peter Seifert- Carried.

The Shed Share form is available on line

[STARS Shed Share and Donation Form](http://www.amadistrictiistars.org/shed/shed.html)

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:

The Big Bird night will return in 2018. Schedule to follow.

Control Line:

Mike O'Neil ó 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 18th. Flying starts at 11:00. Pizza will be served along with other refreshments.

Model Aircraft Forum:

There will be a follow up meeting in Friday 2/16 at the CIA indoor flying site. All proceeds, less expenses, from the Forum were donated to the school.

STARS Auction:

Phil Morgan reported there were more sellers than buyers this year. The turn out was good enough to have the auction again next year.

Guest Columnist:

Paul Volcko has submitted a guest column for this month. 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:

No new members.

Adjournment:

The February regular monthly meeting of the STARS was adjourned at 7:23pm.

Secretary, Jeff Wolsley

From Guest Columnist Paul Volcko-

STARS Member,

As you have hopefully heard by now, the Shed Project and Shed Shares funding program were approved in two separate votes at the February club meeting. Fund raising started immediately following the meeting and has now, at the time of this writing, been going for just short of a month. In this time we have raised \$4400, exactly half of the target amount of \$8800. \$4050 of that is in the form of Shed Shares loans and the remaining \$350 is through donations.

Thank you to everyone that has already contributed!

If you have not contributed a donation or loaned to the project through Shed Shares, please consider doing so now. Forms are available at meetings and at the club pavilion, as well as at https://docs.google.com/document/d/1sI2W7o5wlGfcY0jatN52h0ksx_-kDtm6G_a0PYxJ1bc. The sooner we meet our funding goal the sooner we can finalize plans, seek permits, start making purchase orders and locking in pricing (even if delivery is scheduled out), and break ground to get site preparation work going. You are encouraged to check out the current status of the fundraising as well as read up on the project proposal and other details at <http://www.amadistrictiistars.org/shed/shed.html>.

Many people have asked, "How much are people contributing?" They're wanting to know how much they should contribute, or how much people are "expected" to put into the effort. My answer has been, more or less, there are no expectations except that everyone in the club contribute something, if they can. If everyone in the club contributed \$50 we'd be half way home. After a month of contributions my answer to the question hasn't changed. Do what you can or are willing, but I hope that everyone that can contribute does so. Sooner rather than later.

To put some further context on things to date: About a dozen people have financially contributed so far and the variation in amount is such that there is no meaningful median or average contribution amount. We've had contributions from \$50 up to \$1000 and at various levels in between. Some people have opted to simply donate their contribution, others opted for only Shed Shares, and a few have split their contribution between both a donation and Shed Shares. If every member who hasn't yet contributed were able to kick in \$50 that would put us up to about \$8200. If just 12 of those people were able to pick up a second shed share or donate an extra \$50 that would be the \$8800 goal. So contribute what you can. Contribute as soon as you can. The club thanks you for everything you can do to make this Shed Project happen. It's as simple as that.

Lastly, people are asking questions about the management of the project. Ed Nans is heading up the overall project. He is not the foreman on the ground, however. We expect that different people will end up being the foreman at different phases of the project. If you have particular experience or expertise in a garage construction project, pouring concrete slabs or doing foundation work, or site leveling/preparation, electrical work, etc. please contact Ed or a club officer. After we reach our funding goal we will be updating the project page with phase 1 work, which people are in charge of the work for that phase, and a schedule so people can know when things are happening and when help is needed at the club. If there are going to be impacts to the normal operations of the club they will be noted on the project page, cameras page, and probably the Facebook group.

Sincerely,

Paul Volcko

Calendar of Events for March to July 2018 Events: *Editor's Note- Also*

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

March 17- [Canandaigua Sky Chiefs](#) Swap meet Rhonda's Auction House Bloomfield
April 14- [Finger Lakes Air Pirates](#) Swap meet Seneca Falls.
April 17- STARS First night of HELI Flight School
April 19- STARS Flight School pre-flight checkout- STARS Field starts at 7:00

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

The indoor flying schedule. 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-

Flight schools are starting in April. See above for the dates.

Big Bird- The big bird flyers formal sessions will start in the spring. Watch for the date.

Please visit the [AMA District II](#) website or the Event Section in the back of Model Aviation for additional information on these and other events.



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



Open 10-7 Tuesday thru Sunday.

315-532-6826

www.mexairrc.com

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. This is the current edition. All contact information is included with the ads.

March 1st 2018.pdf 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. 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

Mike Graham has a torque conversion chart-



Arming Switch Information-

AMP- Arming The Big Boys, by Greg Covey November 2007
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 ESCs 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/ (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 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!**



Free primitive camping—no hookups



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.uas4stem.org).

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

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.

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.



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

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

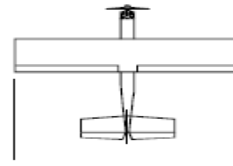
airspace Share the sky.

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.

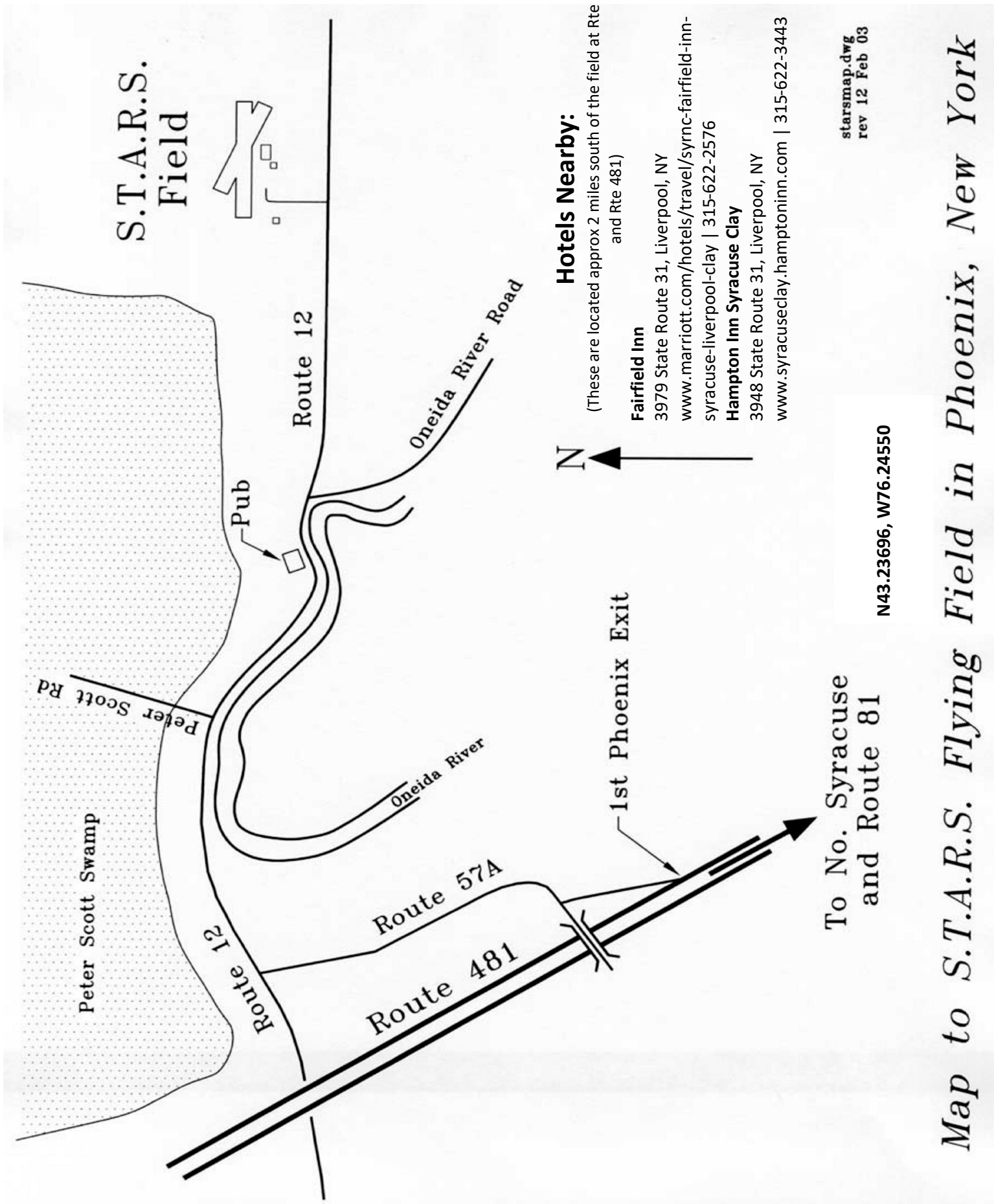
4. Replacement Courtesy:

- 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



S.T.A.R.S.
Field

Route 12

Oneida River Road

Pub

N

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 | 315-622-2576

Hampton Inn Syracuse Clay

3948 State Route 31, Liverpool, NY

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

