

Syracuse Thunderbirds Aero Radio Society



Plane Propwash



June 2016

Charter 473

The Next General Meeting will be July 13th, at 7:00 at the STARS field.

2016 Officers

[Ken Kadish, President](#)
[Paul Volcko, Vice President](#)
[Bob Rowe, 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](#)
[David Jewell, Field Committee](#)
[Ralph Goldstrom, Facebook Admin](#)

The next STARS meeting will be at the STARS field, July 13th, at 7:00. As a reminder, the meeting is always the second Wednesday of the month. The STARS monthly meetings will be at the STARS field until fall.

Heli Jam 8 Is In The Books

Despite not a single request to bring back my monthly weather musings, they are back, but I'll keep it short; hot, dry, and windy.

Flying activity at the field has been moderate, with both Fixed Wing Flight School and Heli and multi-rotor night having a consistent core of model aviators.

The Field Committee, through hard and dedicated work, continues to provide us with a first class flying site. Please be sure to thank the Field Committee members for their great service to all the members.

Field security is the responsibility of each and every member. Please be sure that if you are the last person leaving the field, check to make sure the club house windows are closed and locked, that the fan and lights are turned off, that the refrigerator and freezer locks are in place with the tumblers spun to 0000 so as not to leave the combination exposed, and that the front gate is closed, locked, and lock tumbler appropriately spun.

Heli Jam 8 was held on June 25 on an absolutely beautiful day. Flying conditions were perfect, and we had 28 registered participants along with a number of friends, family, and public guests. Paul Volcko did a great job organizing this event, and I

want to thank the volunteers who provided field setup, food purchase, food preparation, and cleanup duties.

Finances are stable, and the Club is on firm financial ground. There are still a number of small field improvements to be accomplished this year.

Planning for the Airshow will start shortly; more info as it becomes available.

The annual election for Club officers occurs in November. With that thought in mind, please give consideration to standing for an office to help run the Club. Please show your support of your club by volunteering for an elected position. If you have any questions as to the responsibilities of any particular position or wish to stand for an office, feel free to contact any of the current directors.

That's it for this month.

Fly often and fly safe!

Ken

Secretary's Report: Jeff Wolsley

The June STARS regular meeting was called to order at 7:02. Paul Volcko convened the meeting in Ken's absence. There were 12 Open Members, 4 Associate, 0 guest, and 0 youth member in attendance.

Secretary's Report:

The Secretary's Report from the May meeting was accepted as published in the Propwash. The motion to accept by Peter Seiffert and seconded by Mike Graham. Carried.

Treasurer's Report:

The treasury is doing well. We are ahead of this time last year. The field expenses are down right now. and a motion to accept by Peter Seiffert and 2nd by Mike Graham. Carried.

Committee Reports:

Field Committee: Dave Jewell

The little tractor is down. The parts for it are in. Waiting for Ted to help install. The field continues to be in great shape.

AMA: Peter Seiffert

The AMA is looking for members willing to teach and present to local schools, organizations, and clubs in our area. The STARS has flight schools, the MoST, and the Girl and Boy Scouts. They are looking for towns across the US to set up drone zones.

The MoST Rocket Team Challenge drew approximately 500 people. 250 gliders were given away. Peter thanked Ralph Goldstrom, Howard Blair, and Ed Williams for their help. The challenge senior division was won by the local Syracuse Cadet Squadron of the Civil Air Patrol- Jeremy Carballido, Katherine Evans, Daniel Gabriele, Stephen Maier, Brenden Reilly, Joseph Wagner, and John Woodruff.

The Auburn School District requested a Flite Test aircraft <http://flitetest.com/> demo.

Safety Report: Peter Seiffert

No safety issues to report at this time. Keep aircraft in sight. Small aircraft are easy to lose sight of.

Flight School: Bob Rowe

Fixed wing- The fixed wing school has two or three students right now with a high of three. Attendance is expected to spike in June. Weather related issues are a problem.

Heli School- New student pilot John McMakin. The night is well attended but not by students.

STARS Web Site: Paul Volcko

Mike O'Neil is working with Paul on improving the cameras at the field.

Please view the field cam at:

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

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

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

Old Business:

Future Planning:

The fence Fence post repair is in progress.

Driveway- Waiting for the load of stone to be delivered.

AED- The AED is at the field. Phil asked about the need for a box. Not so much now that the unit is in the clubhouse. A demo of the AED will be given at the next meeting. A picture of the AED at the STARS field was sent to DII and will hopefully be in the next Model Aviation.

Big Bird Giant Scale:

Peter has provided me with the 2016 schedule-

June- 1, 15	August- 3, 17
July- 6, 20	September- 7

Control Line:

Mike O'Neil will coordinate events at the field.

Mike has a DVD of Joe Nall Week to loan out. Contact Mike if you are interested in borrowing it. [Mike O'Neil](#)

Facebook:

The STARS now have a Facebook page. There are 52 members at this time.

New Business:

Heli Jam:

The 8th Heli Jam is a go for June 25th. Pre-registration sign ups are down. No T-shirts were ordered due to the low registration. Paul is working with vendors for a pilot raffle. Mike Graham is bringing the audio equipment.

Giant Scale:

The first night of Giant scale is May 18th and will continue the first and third Wednesday of the month.

New Members:

There is one new Associate member for June-

Air Show:

Air show planning is starting. A dedicated someone is needed to run the kitchen. Kitchen setup is the night before. The someone will need to manage the cooking, servers, and supplies. If you are willing to volunteer for this position, please contact [Bob Rowe](#).

Adjournment:

The June regular monthly meeting of the STARS was adjourned at 7:39pm.

Secretary, Jeff Wolsley

After the Meeting Show and Tell

No after the meeting show and tell.

Safety Officer Report: Peter Seiffert

Peter reminded everyone that we are all safety officers. If you see something unsafe or someone doing something unsafe, please talk to them about it. Don't wait for it to become an accident. Remember to speak with them nicely.

Heli Jam 2016- From STARS VP, Paul Volcko

Hello STARS Members,

Just wanted to send out a thank you to all that helped setup, teardown, and made Heli Jam 8 happen.

The field was in typical great shape thanks to the efforts of Dave Jewell, Ted Anderson, and their apparent recruit to the field committee, Bill Whittaker. Dave and crew also had a good deal of the setup done before anyone even got there on Friday evening for the official setup, from getting the grill ready to go, to getting flags and banners up.

Many showed up for Friday evening setup. What little remained was taken care of quickly.

Warren Baldwin, Neal Shantz, Skip Davis, and my wife Kelly did a great job on food prep and service.

Phil Morgan once again kindly manned the registration window and lent us his voice for emcee duties. And Peter was kind enough to once again CD for the event.

Some of the teardown happened before people cleared out Saturday afternoon and the rest happened before I even got out of bed the next day. You people are machines!

Please accept my sincere, great big THANKS to everyone that chipped in and made it all happen! And thank you to everyone that stopped by to chat and watch the goings on, even if they were not flying.

A brief recap of events:

Things got hot! Low wind and no rain this time around, but it really started baking around 1pm. As a result everyone was cleared out by 4:30 or so. We ended up with, I think, 15 registered pilots. Our longest distance travelers were from Albany and Buffalo. 24 or so people signed in. Walt and Jan Throne made the trip in from Old Forge and it was great catching up with them once again. Bruce Throne also stopped by for lunch and to see what was happening. Chuck Levine also made an appearance before heading back to William's Park on the south shore of Oneida Lake for the annual ARRL Field Days with the LARC Amateur Radio club.

This year we had pilot raffle prizes instead of t-shirts. Bruce over at Walt's Hobbytown once again pitched in to sponsor things and so we had a set of Switch Blades for a 700 size heli and a 500 size heli. Herb Moore ended up winning the 500 main blades, Bill Orr the 700 main blades, Phil Morgan the 86mm tail blades, and Ed Williams got the 105mm tail blades.

There were a number of pretty spectacular crashes, a couple of great saves, and a bunch of great flying and fun throughout the day. No injuries noted, besides maybe a bruised ego or two and some sunburn.

Once again, thanks to everyone who helped or showed up. It was great fun and I'm looking forward to doing it again next year!

Paul

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

July 9-10 Southern Tier ARS fun fly

**July 16-17 Canandaigua Sky Chiefs Fun-Fly;
and Airshow**

July 23-24 Valley R/C Fun-Fly

July 23-24 Sky Rovers Air Show

July 30 Hal DeBolt Memorial Fly-in

Sept 4th - STARS Air Show

Sept 16-18 NEAT Fair

Indoor activities are winding down in April! You will need to contact them for dates and times.

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. Please contact Walt's Hobby Town for further details and landing fees.

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

STARS Flight Schools-

Fixed Wing School- Runs every Thursday night starting at 5:00.

Heli School- Runs every Tuesday night starting at 5:00.

IT'S NEVER TOO LATE TO JOIN A FLIGHT SCHOOL ALREADY IN PROGRESS

Big Bird- The big bird flyers will start meeting on **May 18th**, and continue to meet the first and third Wednesday each month into September. Now's a good time to go over the Big Bird Safety list and do a check of all your aircraft. It might be a good idea to have someone else look over your aircraft too!

*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.*



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:

Please visit the Southern Tier RC Swap Shop. Dan Luchaco has included me in his mailing list. This is the current edition. The latest edition will be out after January 20th.-

June 9th 2016.pdf

All contact information is included with the ads.

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 recently. An excellent site for Lipo battery info-

<http://sites.google.com/site/tjinguotech/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-



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

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

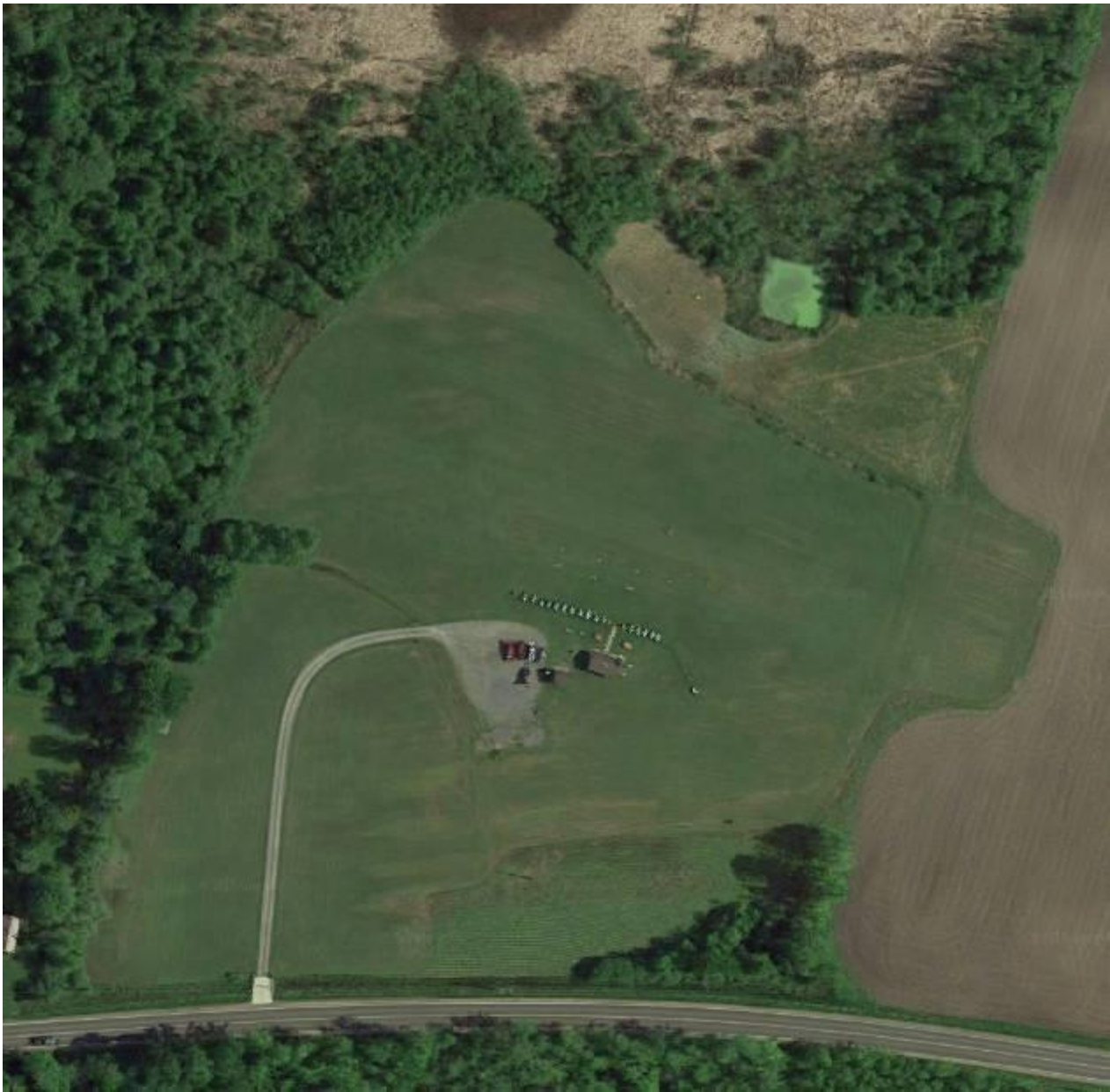
<http://www.amadistrictiistars.org/>

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.



STARS Field Satellite photo

4th Annual Hal 'Pappy' deBolt In-Memorial Fly-In

July 30th, 2016

Hasman Field
5252 W. Ridge Rd. Spencerport, NY 14559
9am - 3pm

Join us for the fly-in memorial of one of the greatest model aircraft designers/entrepreneurs in the hobby

Event is open to vintage/any model aircraft designed before 1981

and of course all deBolt designs!

www.vintagevrcsociety.org

AMA/MAAC licenses required

Fun Fly format

Picnic lunch at Noon



Sponsored by:

Radio Control Club of Rochester, NY



And



Rochester Area Vintage Fliers
VRCS Chapter VIII

Contest Directors :

Jim Capuano

cappajl@yahoo.com

585-739-6040

Ed Britton

eplane@frontier.com



Portrait of Hal Pappy deBolt, one of the greatest model aircraft designers/entrepreneurs in the hobby. He was a pioneer in the field of model aircraft design and building, and his designs are still popular today.



**SOUTHERN
TIER
AERO
RADIO
SOCIETY**
AMA Charter 563
Cuba, New York

Saturday 10 am to 5 pm
Sunday 10 am to 3 pm

Vendor Display Info
Tom Orcutt
papaork@verizon.net
716-373-3190

Fun-Fly

July 9 & 10
2016

Cattaraugus County Olean Airport
Airport Rd. Ischua, NY
Vendors Welcome NO Charge



Contest Director
Randy Bittinger
rbittinger@icloud.com
814-366-2497 cell
814-368-7528

Refreshments Available
Full Scale Grass Runway
Free Camping (no hook ups)



44th Annual AMA Sanctioned

FUN FLY & CONTEST

Sat. & Sun. JULY 23-24, 2016



*9am to 4 pm
VRCMC FIELD
ROUND TOP PARK
off RT. 220, south of Athens, Pa.*



**Expert-Sportsman-Junior Contest Classes
or Just Fly For Fun !**

AMA (or MAAC) Required

Trophy & Merchandise Awards

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

***HELP US CELEBRATE 44 YEARS HOSTING
CONTESTS AND 51 YEARS AS A CLUB !***

For information – contact

Valley R/C Model Club – CD–Dan Luchaco

605 Stevenson St Sayre PA 18840

ph (570) 888-1856 or cell (607) 481-4541

email pafflyer23@gmail.com



WWW.VALLEYRCPA.COM

SKY ROVERS RC Flying Club

Phelps, New York



The Sky Rovers Annual Airshow 2016 will be held on July 23 and 24. The show runs from 10 a.m. to 4 p.m. each day and is held for the enjoyment of the public and fellow pilots. Pilots come to fly in the show from all over New York State. There are pilots from out of state as well as from Canada. RV and tent camping is allowed.

Over this two day A.M.A. (Academy of Model Aeronautics) sanctioned event, hundreds of guests are thrilled by the sight of many different kinds of model aircraft being flown during the narrated performances. These model aircraft range from sport planes to military planes, with wing spans from three feet to ten feet. Helicopters are also flown during the show.

There is an event for the children each day at noon and each child receives a prize. Food and drinks are sold during the event. There are vendors and private sale of models and accessories. Prizes are also raffled during the event. This is a family event which has been well received for several decades.

The event is held at Ford Field, 2269 McBurney Rd. Phelps, NY

For more information contact David Reid: 315-548-3779

S.T.A.R.S.

Flight Training Program



2016



When?

Every Thursday evening from 5:30 PM to Sunset
May 05, 2016 through September 08, 2016

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 21, 2016 at 7 PM

Interested?

Contact:

SENIOR FLIGHT INSTRUCTOR: Bob Rowe (474-8428)

Syracuse Thunderbirds Aero Radio Society

Phoenix, NY

Charter 473



S.T.A.R.S. 2016 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 19 to October 11
5PM until Dusk**

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



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 BEFORE YOU 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

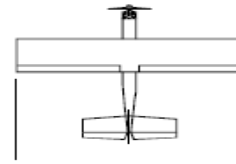
airspace Share the sky.

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. Impound: All pilots, students, and flying guests must place their transmitter(s) in the impound area immediately upon arriving at the field.
- C. Vehicles: Vehicles will not be permitted *on* the flying field.
- D. 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.
- E. Trash: All members will take home their own trash.
- F. Alcoholic Beverages: Members will not consume alcoholic beverages prior to, nor during, participation in any *modeling* operations.
- G. Smoking: Smoking will not be permitted in the pit area or on the flight line.
- H. 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 must use a buddy-box system with an FPV spotter while learning to fly FPV.
- (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 15 lbs. and a speed of 70 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.

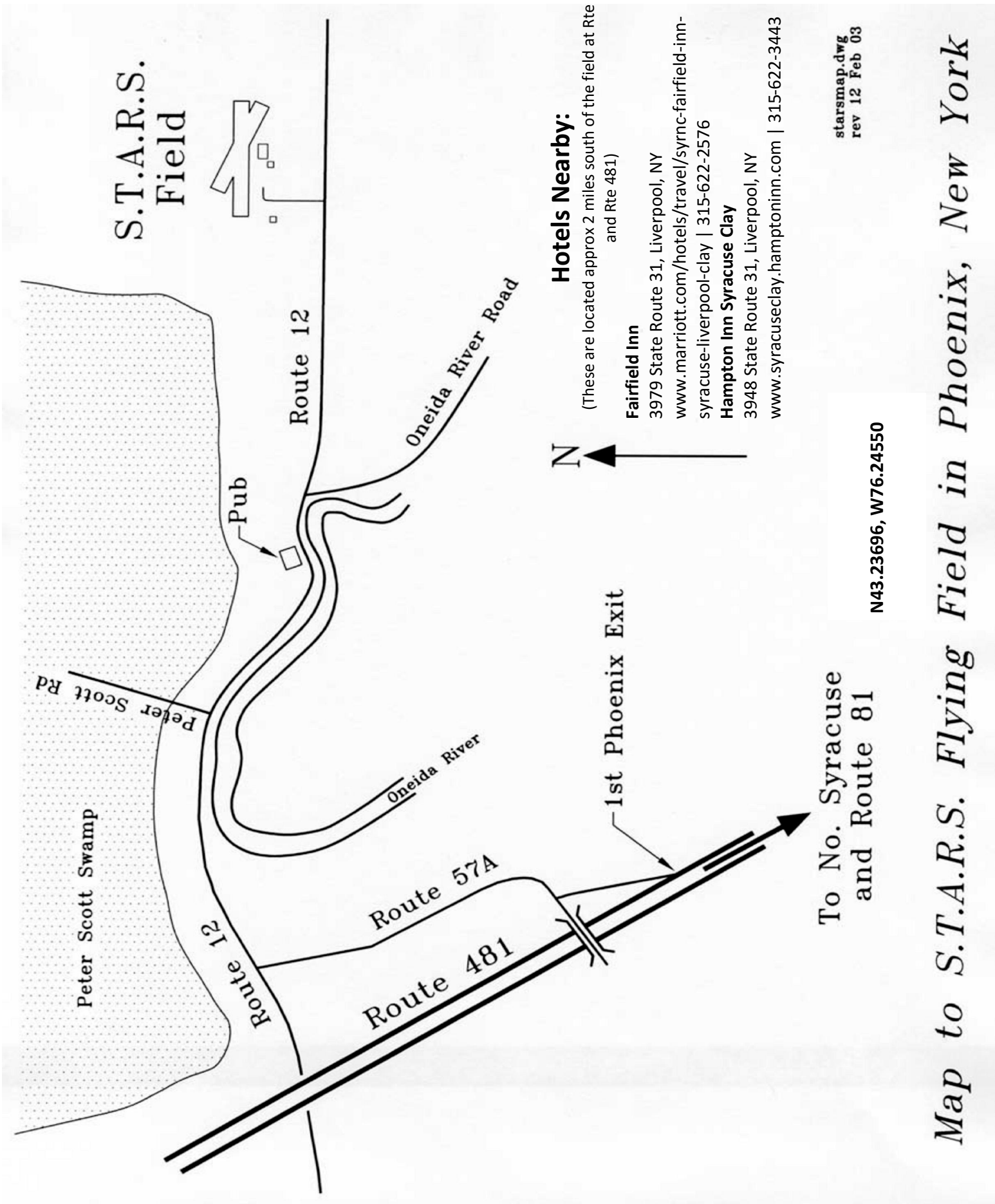
4. Replacement Courtesy:

- 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





Est. 1965

Syracuse Thunderbirds Aero Radio Society

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



Charter 473

Membership Application Form

Date: _____

Membership: Open (\$220.00 share+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: _____

AMA: _____ DOB: _____

RC Channels Used: _____

STARS Member(s) Contacted: _____

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

Other Club Affiliations: _____

Email Address (for newsletter and notices): _____

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." (See rules above)
