

Syracuse Thunderbirds Aero Radio Society



Plane Propwash



August 2019

Charter 473

The Next General Meeting will be September 11th, at 7:00 at The STARS Field.

2019 Officers

[Paul Volcko, President](#)

[Phil Knapp, Vice President](#)

[Herb Moore, Treasurer](#)

[Jeff Wolsley, Secretary](#)

[Peter Seiffert, Safety Officer](#)

Directors:

Peter Seiffert, 2007-08

Herb Moore, 2014

Phil Morgan *2011-2013

Volunteer Staff:

[Jeff Wolsley, Propwash Editor](#)

[Michael Graham, SYG Administrator/Club Historian](#)

[Paul Volcko, Webmaster](#)

Position Open, Field Committee

[Mike O'Neill, Facebook Admin](#)

The next STARS meeting will be at the STARS Field, September 11th, at 7:00. As a reminder, the meeting is always the second Wednesday of the month. The STARS monthly meetings will be held at the STARS Field until fall 2019.

Picnic Time!

The weather has been great, the field is in great shape, and the summer part of our flying season is on the way out.

This means the time for our Airshow and AMA District II Fly-in event is rapidly approaching!

Ed Nans has been working on organizing things and gave a great rundown on the plans at our August meeting. We're doing well on volunteer signups and assignments, but we are in need of more volunteers to help spread out the work some more. The more people we have chipping in, the less time each person ends up away from flying and socializing! Please contact Ed Nans, if you haven't already, in order to let him know what day(s) you can help and what preference on jobs you have, if any.

Here's a quick rundown of the schedule:

Friday, August 30: Setup. Because it's a Friday official setup time is 6PM, but if you can get there earlier that would be very helpful.

Saturday, August 31: Day 1. Gate opens by 7:00AM. 8:45AM pilot safety meeting. 9AM start of flying. The focus of the day is more fun-fly than airshow, but there will be a signup for those wanting to fly a noon demo flight. A couple of raffles will be held during the day. 5PM start serving a catered BBQ dinner (\$10 per plate). If all goes to plan the Air 1 police helicopter will be flying in around this time, too.

During and after dinner we'll be entertained by DJ Midnite Rambler (Phil Artese). There's no official end time to this day. We'll hopefully get in some night flying and get a fire going.

Sunday, Sept 1: Day 2. Gate opens by 8AM. 9:45AM pilot safety meeting. 10AM start of flying. Noon demo hour. More raffles. And, as usual, we will have a pilot and member/volunteer dinner around 5PM. I hope everyone can attend. As a reminder, this dinner is a potluck. Please bring a dish to pass.

Monday, Sept 2: Cleanup and tear down. Start time for cleanup will be 10AM.

We have a busy Labor Day weekend coming up! It will take a lot of effort, but we are on track to pull it off and provide a great fly-in experience and entertaining rc model airshow to all who come!

Lastly, there are a number of other events in the area over the next several weeks. I hope you're able to make it to some of them. However, I'm going to call out one in particular: on September 7th the ARCS and the EAA 107 chapter will be hosting a benefit lunch for Jeff Dudden, a long time member over there, to help him deal with health issue expenses he's been incurring this year. Details are on the flyer included later in this issue.

See you at the field!

Paul Volcko

paul.j@volcko.net

315-673-7158

Secretary's Report: Jeff Wolsley

The August STARS regular meeting was called to order at 6:59 by President Paul Volcko. There were 10 Open members, 6 Associate members, 2 Youth members, 2 Guest in attendance.

Secretary's Report:

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

Treasurer's Report: Herb Moore

Field expenses have been light. Heli Jam revenue has been received. All bills are current and the treasury is in good shape. Motion to accept the Treasury Report by Mike Graham and 2nd by Chuck LeVine. Carried.

Committee Reports:

Field Committee: Paul Volcko for Ted

The field looks outstanding. The guys have really whipped the field into shape!

Ted is stepping down as the head of the field committee. We need someone to volunteer for this position.

Safety Report: Paul Volcko for Peter

We continue on without mishap. Please keep up the good work.

The complete AMA safety handbook is available here-

<http://www.modelaircraft.org/files/100.pdf>

AMA Report: Phil Morgan

The AMA reminded us that the FAA registration number needs to be on the outside of all aircraft. Phil showed off the tag that is available from the AMA. It has a nice clear cover to protect the information that you print on it. Then you peel the back and stick it on your aircraft. (Unfortunately the AMA store website is currently down so I can't post a link here.)

The AMA website has additional information regarding the FAA registration-

<https://www.modelaircraft.org/faa-uas-frequently-asked-questions>

Flight School: Paul Volcko

Fixed wing- There is one flyer that has qualified and a 2nd ready to qualify..

Heli flight has been slow.

Interest in VPV flying. There is a need for some practice gates.

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:

New Shed: Paul Volcko

The shed project is nearly complete. There are just a few items left that will be complete in the next few days.

Big Bird Giant Scale: Phil Knapp

Phil reported the turn out has been good.

Control Line:

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

Facebook:

STARS has a Facebook page. There are 118 members at this time.

[Mike O'Neil](#) is the administrator.

New Business:

FPV Racing: Paul Volcko

FPV racing will be held September 21st. The rain date is September 22.

DII Fly In: Ed Nans and Paul Volcko

Committee members are Phil Morgan, Ed Nans, Paul Volcko, and Peter Seifert. Ed Nans will be leading the event.

Set up will start on Friday 08/30 at 6:00. Clean up will be done both days after the conclusion of the days events. Monday will be the usual final cleaning and haul off.

Most positions have some volunteers but more are needed to cover both days.

Paul reported the raffle items are all set. These were graciously donated by Walt's, Mexair, and a private donation.

Advertising is underway and will pick up soon- News, social media, Golisano Children's Hospital.

The charity chosen is Golisano Children's Hospital.

Phil Artese will DJ the event Saturday evening.

The AMA will cover lunch on Saturday

BBQ dinner on Saturday- catered, done (Pulled pork, Baked Ziti, Salt potatoes, etc.)

Port-a-potty and wash station- done.

Tables- good

Chairs- rent or borrow

Bruce Throne- not here

Walt and Jan Throne.- here

Tent- nothing formal yet.

Food- done

Swap Shop- both days, done.

AIR1 will be stopping in for a little while on Saturday evening.

Mike Graham flyer updated and ready to post. There is a copy in the Propwash to print and distribute.

Civil Air Patrol has been contacted to help and participate. Both ARCS and FLAPs have offered to help out.

Guest Columnist:

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

Club Hat Order:

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

New Members:

New Associate member Anthony D'Agata was voted in. He is a fixed wing pilot.

STARS Christmas Party: Phil Knapp

Planning has started for the party. It will be held at RFH's this year.

Adjournment:

The August regular monthly meeting of the STARS was adjourned at 7:29pm.

Secretary, Jeff Wolsley

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

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

August 9-11 [Festival of Giants Binghamton Aeros](#)

August 17 [ARCS Fun Fly](#)

August 31- 9/1 STARS /AMA DII District Fly In

Sept 7 ARCS/EAA Benefit luncheon for Jeff

Dudden

Sept. 7 10:00-3:00 [Ithaca RCS Biplane Fly In](#)

Sept 12-15 [NEAT Fair](#)

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

STARS Flight Schools- *It's never too late to join a flight school!*

Fixed Wing Flight School at 5:30 on Thursday nights. It runs every Thursday, weather permitting, until September 5th.

Heli Flight School starts at 5:00 on Tuesday nights. It runs every Tuesday, weather permitting, until October 8th.

Big Bird- has started and is held every Wednesday night until end of summer

The indoor schedule for the 2018-19 season is winding down. This space will be updated in the fall when indoor season starts up again.

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

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

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

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



Sadly, we have to say goodbye to another long time STARS member, Bill Orr. Bill was an incredibly talented individual. Bill's airplanes and car were of impeccable quality. It was always a pleasure to sit and chat with Bill. He always had a great story to share. I'll personally miss talking to Bill, while sitting under the awning, while proctoring the swap shop at the annual Airshows. Thanks for the memories, Bill.



William J. Orr August 17, 2019 William J. Orr, 82 of Phoenix, NY, died Saturday at Crouse Hospital, with his loving family at his bedside. He was born October 27, 1936 in Albany, NY. He served in the U.S. Navy, stationed aboard the USS Wasp, in the North Atlantic and Cuba. Bill retired from UPS and continued to spend his downtime enjoying his hobbies of cars and model airplanes. He was the proud owner of a 1932 Ford Street Rod that he re-worked from the ground up many times and won many awards for his work and efforts. He was a charter member of the Oswego Valley Modelaires flying club and member of the STARS model airplane club. Bill was a member of St. Stephen's Church in Phoenix and a past member of the choir. Bill was pre-deceased by his parents, son William A. and son-in-law Patrick "Scooter" Smith. Surviving is his loving wife of 60 years, Mary Villeneuve Orr, and he was most proud of his children, daughters and sons-in-law, Mary Beth Smith, Amy and Michael Ambuske, Margaret (Meg) and Bob West; his grandchildren, Erin Smith, Katie and Pat Milligan, Patrick & Sarah Smith, Megan Ambuske, Michael (Max) and Alanah Ambuske, Jake West, Mary West, Billy Orr, Kara and Josh Collins and Emma Orr; great-grandchildren, Mitchell Jacobs, Cameron Cooper and Riley Smith and Molly Milligan; his Sister, Patricia Healy of New Hampshire, several nieces, nephews, cousins, and numerous treasured friends. Calling hours will be held from 4 to 7 p.m. Thursday August 22nd at Foster Funeral Home, 910 Fay St., Fulton, NY. The funeral will be held 10 a.m., Friday at St. Stephen's Church, 469 Main St., Phoenix, NY with a reception immediately following in the Church Hall. In lieu of flowers, we would appreciate donations to Upstate Golisano Children's Hospital, [St. Jude Children's Research Hospital](#), or the Phoenix Area Food Pantry. www.fosterfuneralhome.com Please sign the guestbook at syracuse.com/obits













AMA Sanctioned

S.T.A.R.S.

Charter 473

Presents the 18th Annual AMA District II

Fly-In and Picnic

Saturday & Sunday, Aug 31-Sep 1, 2019

At the STARS Field located at north of Phoenix, NY, on County Route 12
(See map on back)

Ample room for parking & overnight camping - no hookups
Swap shop and 50/50 raffles both days



**RAFFLE PROCEEDS TO BENEFIT
UPSTATE GOLISANO CHILDREN'S
HOSPITAL**

Food and beverages available to all
Free lunch for *registered pilots* on Saturday

Pilots - All types of aircraft invited!! If you bring it, fly it!!

All legal AMA Aircraft Welcome!!



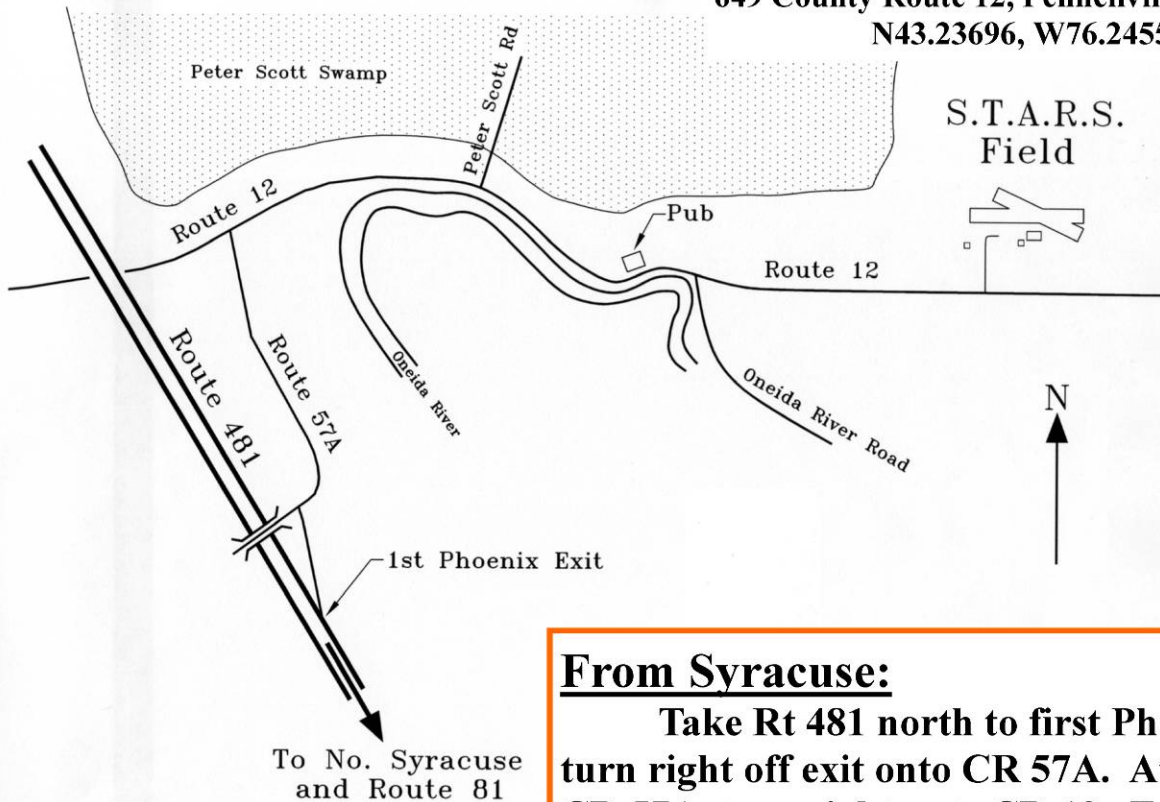
Come join us and also celebrate the STARS 40th Annual Airshow on Sunday !!

Parking donation of \$5.00 per car

BBQ dinner available Saturday evening with music by DJ Midnite Rambler

For more information, contact Phil Morgan, CD, at 315-457-3674 or contact us at: fly-in@amadistrictiistars.org

649 County Route 12, Pennellville, NY 13132
N43.23696, W76.24550



From Syracuse:

Take Rt 481 north to first Phoenix exit, turn right off exit onto CR 57A. At the end of CR 57A, turn right onto CR 12. Follow CR 12 for three miles east to field.

From Fulton/Oswego:

Take Rt 481 south to Phoenix Rt 264 exit, turn right onto Rt 264 south. Continue south on Rt 264 1.5 miles to CR 57 intersection. Turn left onto CR 57 and continue to next light on Lock Street. Turn left at stop sign. Lock Street turns into CR 12. Follow CR 12 for 3 miles east to field.

From I-90:

Take Exit 38 in Liverpool and take CR57 (Oswego Rd) north for 8.5 miles. Turn right onto CR57A in Phoenix and then use map above.

From I-81:

Take I-81 Exit 30 (Cicero) and then take NY31 west for 9.8 miles. Turn right onto Morgan Road. After the Oneida River bridge, turn left onto Oneida River Road and then right immediately onto Center Road. When Center Road intersects CR12, turn left onto CR 12. Follow CR12 to the STARS Field.

When all else fails: Type the STARS Field address into your GPS.

Syracuse Thunderbirds Aero Radio Society

Phoenix, NY

Charter 473



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

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

Build help and flight instruction available.

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

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



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



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. The current edition is sent along with the Propwash in the monthly email. All contact information is included with the ads.



Hobby Warranty
Contact List 2016.xls

If you want to list modeling items for sale, R/C services offered, or a really neat R/C web site, this would be a good spot. Free for members. Send your advertisement by e-mail to jwolsley@verizon.net. 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/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'D- 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 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/ (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

A satellite photo with the new shed is still not available



HOW DO I LEARN MORE?

Get ready to get schooled.

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

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

- Battery and operational safety
 - Building your own multicopter aircraft
 - Travelling with your aircraft and batteries
 - Participating in the Search and Rescue challenge with UAS4STEM.
- Learn more at (www.uac4stem.org).

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).



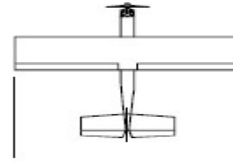
For more information, visit www.KnowBeforeYouFly.org.



WE'RE YOUR GUIDE TO RESPONSIBLE FLYING.

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

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.

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1. General:

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

2. Engine Courtesy:

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

2. Flying Courtesy:

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

3. Good Earth Policy:

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

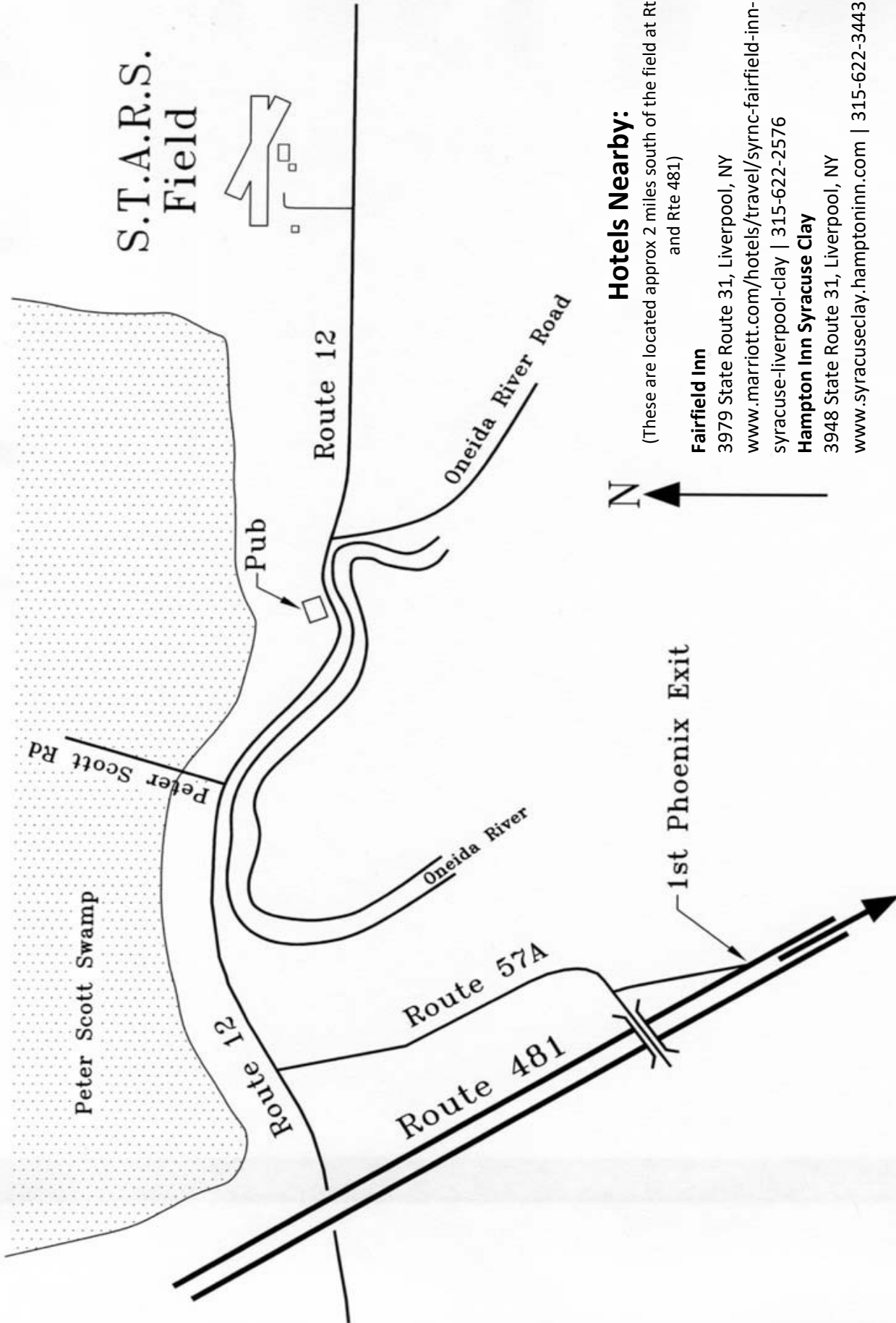
4. Replacement Courtesy:

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

STARS POLICY REGARDING PHOTOGRAPHY

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

Map to the STARS



Hotels Nearby:

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

Fairfield Inn

3979 State Route 31, Liverpool, NY

www.marriott.com/hotels/travel/syrnc-fairfield-inn-syracuse-liverpool-clay | 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



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