

Syracuse Thunderbirds Aero Radio Society

Plane Propwash



April 2013

Charter 473

The General Meeting will be May 8th at 7:00 at the STARS Field

2013 Officers

Chuck LeVine, President
Herb Moore, Vice President
Bob Rowe, Treasurer
Jeff Wolsley, Secretary
Peter Seiffert, Safety Officer

Directors:
Peter Seiffert, 2007-08
Dan Williams
Bill Orr

Volunteer Staff:
Jeff Wolsley, Propwash Editor
Michael Graham, SYG Administrator
Chuck LeVine, Webmaster
Herb Moore, Field Committee

The next STARS meeting will be at the STARS Field May 8th, at 7:00. As a reminder, the meeting is always the second Wednesday of the month. The STARS monthly meetings will continue at the field until fall.

President's Perspective:

Off to A Great Start!

Our season is off to a great start. The field work day accomplished a great deal in getting new stone for the driveway, fixing the fences and laying new pads for the benches and grill, and the driveway guard rails stained. In addition the field committee has been active getting our equipment up and running, and getting the field in great shape for the start of the flying season.

Our first Helicopter Night was a great success with 21 pilots in attendance. The Pre-Flight Workshop

looked great with 6 new fliers in attendance. A special thanks to the STARS members who came out to help both for the field work day and Pre-Flight workshop. The Fixed Wing flight school will start on May 9th and we still are in need of additional flight instructors and support personnel.

Please remember that club dues are due and please renew your AMA Membership if you have not already done so.

Thanks and see you soon at the field.

Chuck

Secretary's Report: Jeff Wolsley

The April 2013 STARS regular meeting was called to order at 6:58pm. There were 11 Open Members, 5 Associate, 0 guests, and 0 youth members in attendance.

Secretary's Report:

The Secretary's Report from the March 2013 meeting was submitted. Motion to approve by Peter Seiffert and 2nd by Mike Graham. Carried.

Treasurer's Report: Bob Rowe

There are 3 OPEN members outstanding as of the meeting. Motion to approve by Mike Graham and 2nd by Bill Orr. Carried.

Committee Reports:

Field Committee: Herb Moore

Rolling has started. There was a minor issue with the roller but the repairs are underway. There is a need for some fill dirt/top soil to make some turf repairs during the work party. The work party is on for the 20th at 9:00.

AMA: Peter Seiffert, AMA District II, AVP

For those wishing to fly First Person View (FPV) a co-pilot/spotter is required. Some discussion ensued regarding FPV and AMA requirements. Don't forget about the FLAPS auction event coming up.

The next MoST date is May 4th. Remember the date is the first Saturday of the month. Please volunteer and help promote the hobby and attract new members. Peter is always looking for help so please contact [Peter Seiffert](#) to volunteer.

Safety Report: Peter Seiffert

Not much to report yet as the flying season is just starting up.

Start performing equipment checks. The 2013 flying season is just about here. Don't wait to make checks and repairs. Check flight batteries, Receiver, servos, and linkages. Check out the transmitter. Make the repairs now so you are ready to go when the weather breaks.

Flight School: Bob Rowe

Heli Flight School starts April 23rd. Fixed Wing starts on May 9. Volunteers are needed for the Pre-Flight Workshop on April 25th. Volunteers will be needed at both flight schools. Please contact Bob Rowe if you are interested.

Special Note- All fixed wing pilots will need their own aircraft this year. The club trainer is no longer available.

If you have suggestions for the flight schools, please let us know.

STARS Web Site: Chuck LeVine

The web site and field cam are back up and running! 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:

Heli Jam

June 29th at 10:00. Bob Fisk is the CD for this year's Heli Jam. Bob will need lots of volunteers to help him out. Please contact Bob or Chuck to volunteer.

Kyle Stacy has committed to the show as well as other nationally ranked flyers.

STARS Club Hats and Shirts: Bob Rowe

Bob has more hats! The price is \$ 15.00 Please see/contact Bob if you are interested in a STARS shirt. Bob has a catalog with the shirt styles, with the STARS logo embroidered on it. The price varies from 10.00-40.00 dollars. These are **nice** shirts.

New Business:

Photography STARS at the field

Please read the club policy on photography at the STARS field, included here in the Propwash.

AIRSHOW 2013

We have received our approved sanction for the Airshow. Information about the Airshow is now on the AMA website.

New Members:

No new memberships at the April meeting

Future Planning:

A couple of future planning projects were brought up-

- The old storage building is ready to come down.
- Cooking area paving stones.

Both of these topics are due this year.

Adjournment:

The April regular monthly meeting of the STARS was adjourned at 7:27pm.

Secretary, Jeff Wolsley

After the Meeting Show and Tell

No after meeting show and tell.

Safety Officer Report: Peter Seiffert

It's time to check out your flying equipment. The good weather is coming. Please check your aircraft, radio equipment, and on-board equipment now.

PLEASE remember to RANGE CHECK all aircraft before flight- GOOD! Range checking during flight-NOT so good!

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

April 23rd STARS Heli Night Begins
May 9th Fixed Wing Flight School Starts
May 18-19 Float Fly Binghamton MOB
June 15th Town of Clay Parks Demo 10:00am to 4:00
June 29th STARS 5th An. Heli Jam

Look for updates to indoor flying schedules!

Indoor helicopter flying at Walt's is closed for the 2013 indoor season. For any additional information contact Walt's Hobby 453-2291

Flight Schools- 2013 STARS Fixed Wing Flight School starts May 9th. Heli Flight school starts April 23rd. Please plan on attending the pre-flight workshop at Walt's April 25th.

MoST Volunteer Schedule- Please contact Peter Seiffert to volunteer. The MoST program is back. The next session is on May 4th. Peter needs to additional volunteers. Please contact [Peter Seiffert](#) if you wish to volunteer.

Please visit the AMA DistrictII website or the Event Section in the back of Model Aviation for additional information on these and other event

Advertisements:

FOR SALE:

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@ix.netcom.com. Please put STARS ADVERTISEMENT in the subject line.

Links-

how to build a rc jet B-1 Bomber # 173 pt 1

hornitpilot 404 videos   Edit Subscription



work, copy the following URL into your browser line and click go. It's over 2600 videos. Six kits have been sold. Bob is working diligently on the 2nd ready to fly Thud. The original B-1 is for sale on RC Universe. Bob will be starting on the improved B-1 next year. How To Build A B-1 Bomber 10 Minutes At a Time. http://www.youtube.com/watch?v=HqTKJU6PlkA&feature=channel_page
This is the link to the web site- <http://www.b1modelproject.com>

A REALLY COOL WEBSITE- Thanks to former STARS member Rick Colvin for pointing this out

at the June 2009 meeting- For those of you who ever wanted to learn how to make a fiberglass plug and molds, this is the guy to check out. Even if the plane in the project doesn't interest you, the education from the process may. Bob Moore (B1 Bob) takes you through each process step by step, including the "Bob-o-neered" parts. He shows you how to make professional looking parts in his garage workshop. This includes carbon fiber composite parts as well as the use of light weight foam to produce so really impressive light weight but very strong parts. He shows all- the good and the bad, so you get to learn right along with him. He's showing plug and mold modification in the most recent videos. He recently launched BAM R/C products. If the YouTube hyperlink doesn't

Mike Graham posted a really neat video from the 2012 Airshow. Thanks Mike! It takes a little while to load but it's worth the wait.

<http://dl.dropbox.com/u/73545639/STARS%20Airshow%202012.wmv>

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/tjinguytech/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'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 is:

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

The link for the AMA DII Calendar is:

http://www.amadistrictii.org/amajoom/index.php?option=com_events&Itemid=56&task=view_month&month=9&year=2012

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

Radio Controlled Model Airplane

Float Fly



May 18th & 19th, 2013



Nathaniel Cole Park

1674 Colesville Road

Harpursville, NY 13787

10 miles East of Binghamton, NY

GPS Coord. N 42.14762° W 075.71017°

DIRECTIONS:

NY Rt. 17 (I86) to Exit 77. Turn Toward Gas Station onto North Road. Follow North Road 4 miles to four corner intersection with Colesville Road. Turn right onto Colesville Road. Follow Colesville Road 2 miles. Entrance to the park will be on your right.

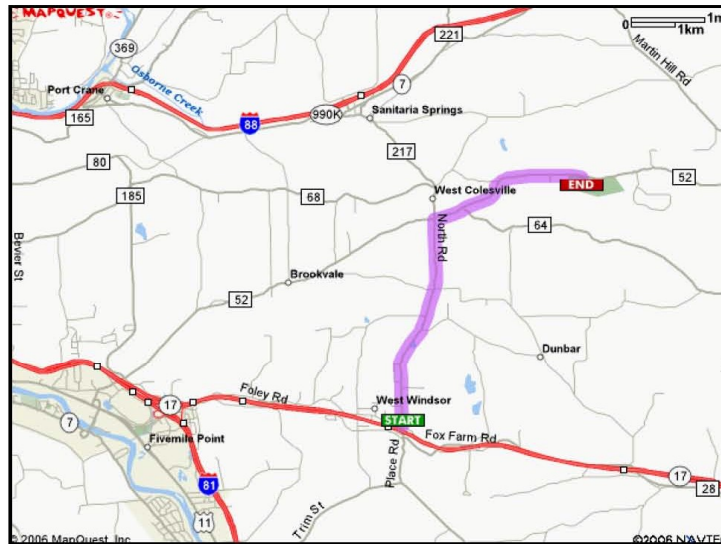
SCHEDULE, FEES AND FEATURES:

AMA sanctioned event.

Flying 10:00 AM to 5:00 PM both days.

Landing Fee: \$10 both days, or \$8 one day.

Pilot Door Prizes. On site self contained RV overnight camping available, please contact CD. Lunch will be available both days.



The MOB would like to thank last years event sponsors who donated prizes:
Redneck RC, Tower Hobbies

Contest Dir: Brian Tyler • 515 Trim St. • Kirkwood, NY 13795 • (607) 427-8011 • flyinbri@echoes.net

See our website: www.modelersofbinghamton.com

Bring the entire family, Cole Park boasts a beautiful 53-acre lake and twin arcs of white sand, the largest protected beach in the county system. There are two picnicking areas and all the amenities necessary to make Nathaniel Cole one of our finest parks. See www.gobroomecounty.com/parks/ParksNatCole.php

**PILOT REGISTRATION
FORM**

5th Annual Helicopter Fun Fly

June 29, 2013 10AM –Until ?

S.T.A.R.S. Field

649 County Route 12,

Pennellville, NY 13132

CNY Heli Jam



Hosted by: S.T.A.R.S.
and Syracuse Heli Group



Pilot Name: _____

Address: _____

AMA #: _____

E-Mail: _____ Phone: _____

Pre Registration Fee \$15.00 due by 6/10/13 (This is to reserve a shirt)

Registration at field: \$20.00

Official T Shirt : ___ LG, ___ XL, ___ XXL, ___ 3XL (One per pilot)

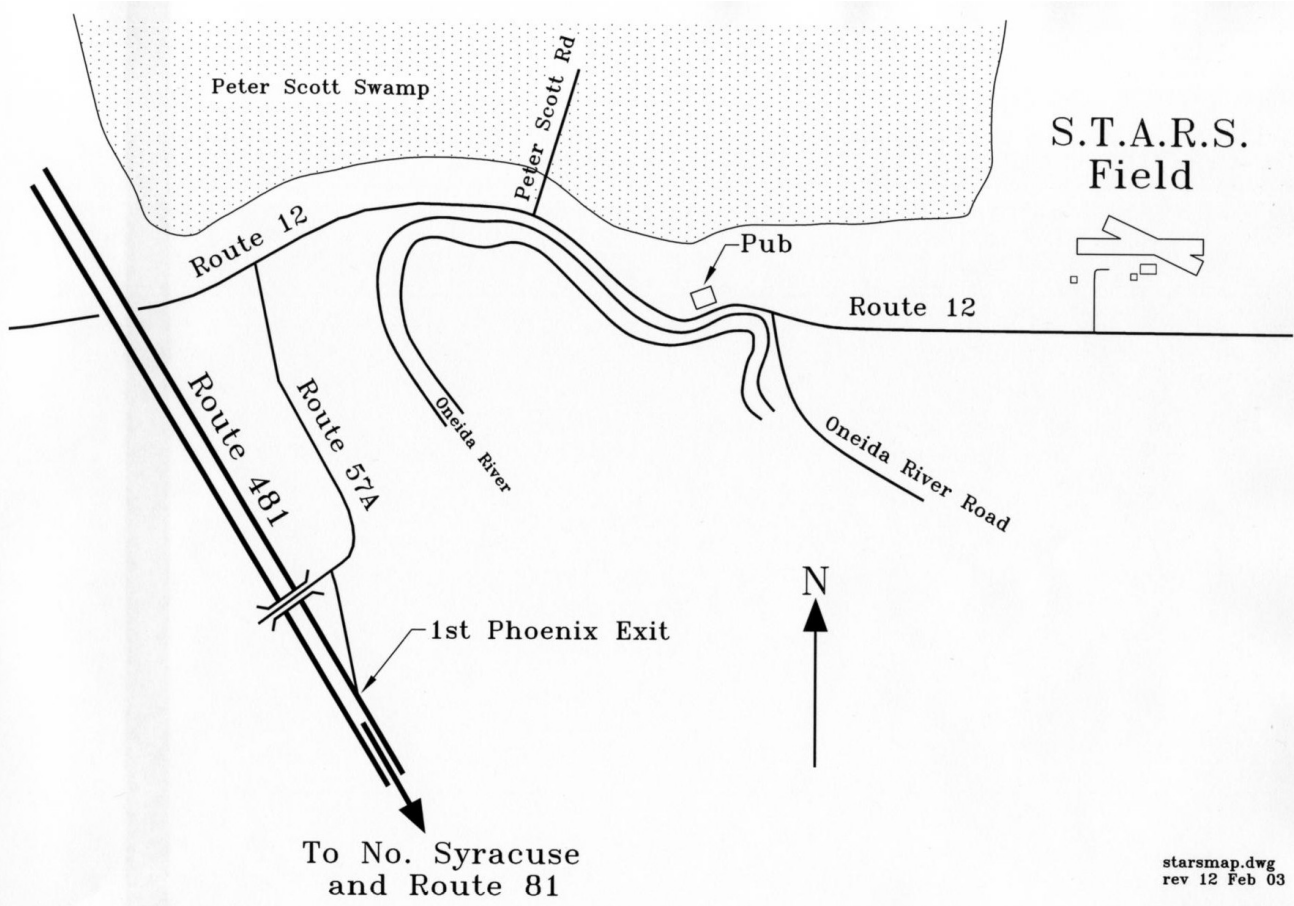
Total: _____ Make check or money order payable to S.T.A.R.S.. *Please don't send cash! Please print this form and mail check or money order to:*

**S.T.A.R.S.
c/o Bob Fisk
356 County Route 10
Pennellville, NY 13132**

Will you need an overnight camping space? We have space for a few, **NO HOOKUPS** . Let us know.

S.T.A.R.S.
c/o Bob Fisk
356 County Route 10
Pennellville, NY 13132

N43.23696, W76.24550



Map to S.T.A.R.S. Flying Field in Phoenix, New York

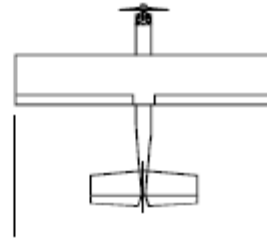
Hotels Nearby:

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

Fairfield Inn
3979 State Route 31, Liverpool, NY
315-622-2576

Hampton Inn Syracuse Clay
3948 State Route 31, Liverpool, NY
[Website](#) | 315-622-3443

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, 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.

15Nov13

STARS Club Rules End

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.

S.T.A.R.S.

Flight Training Program



2013



When?

Every Thursday evening from 5:30 PM to Sunset
May 09, 2013 through September 12, 2013

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 Walt's Hobby
Thursday April 25, 2013 at 7 PM

Interested?

Contact:

SENIOR FLIGHT INSTRUCTOR: Bob Rowe (474-8428)



Syracuse Thunderbirds Aero Radio Society

Phoenix, NY

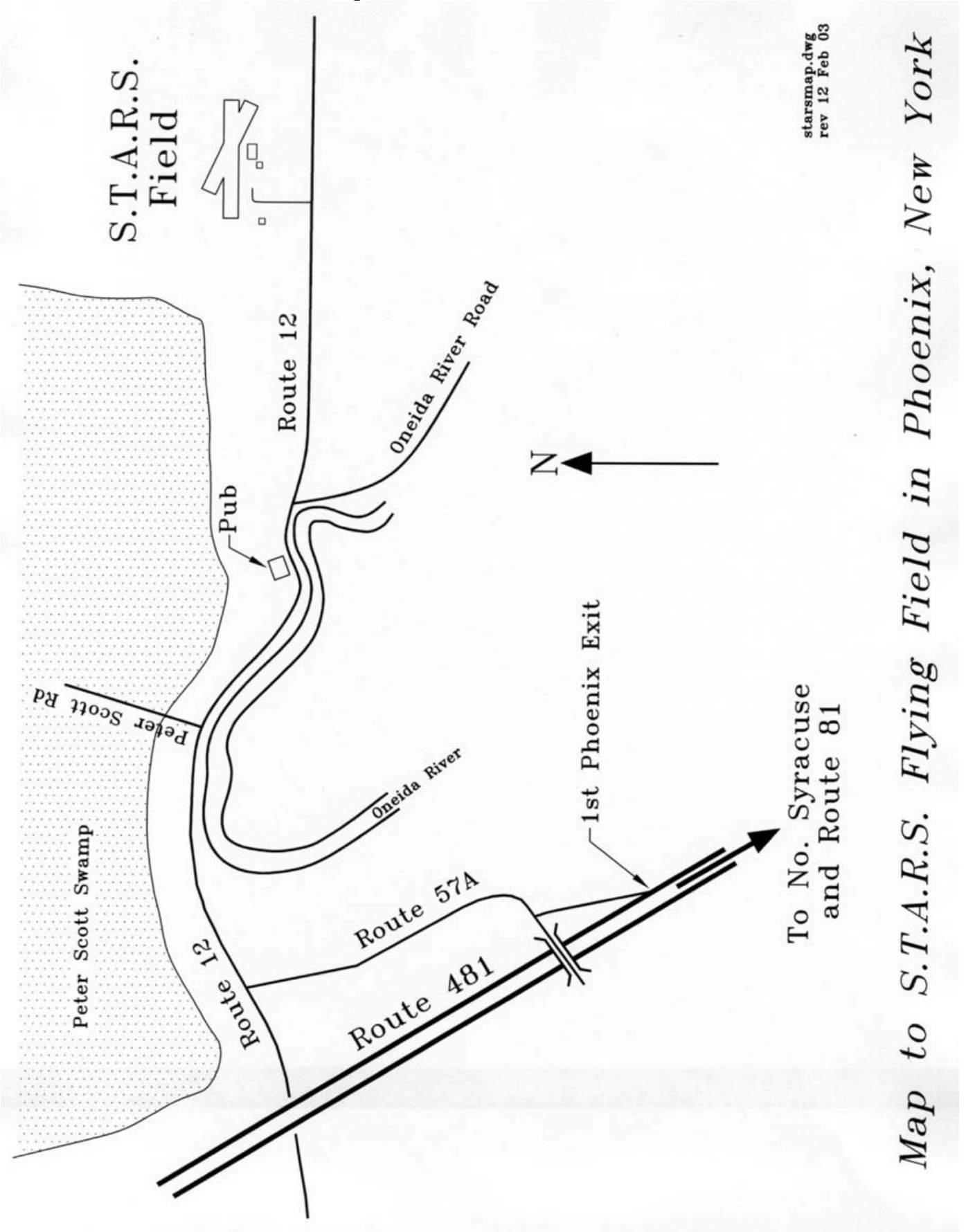
Charter 473

2013 Helicopter Flight School

All skill levels welcome but must be a current AMA Member and provide your own outdoor Helicopter

**Tuesday evenings – April 23 to October 29
5:00 pm until dusk**

Map to the STARS



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 (\$220.00 share+dues) Extra Family member (\$30.00)
 Associate (\$75.00) Youth (< AMA age 19 - \$5.00)
 Park Pilot - Associate (\$75.00) Park Pilot - Youth (< AMA age 19 - \$5.00)

Name: _____

Address: _____

Phone: _____

AMA: _____ DOB: _____

RC Channels Used: _____

STARS Member(s) Contacted: _____

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

Other Club Affiliations: _____

Desired Name on Nametag: _____

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." (on back)

Submit this form to a Club Officer

Rev 04/10/09

Plane Propwash

Syracuse Thunderbirds Aero Radio Society
Monthly News Letter
April 2013