

June 2024 News



**Live
Calendar
Of Events**



2024 Officers

President	Jim Andrews	724-837-4111	lhmacoffice@lhmac.org
Vice Pres:	Jeremiah Ulishney	724-875-2318	lhmacoffice@lhmac.org
Treasurer:	Rene Marquis	724-523-3320	lhmacoffice@lhmac.org
Field Control:	Mark Kaufmann	412-266-2230	lhmacoffice@lhmac.org
Webmaster:	Vishal Jariwala	724-272-7029	lhmacoffice@lhmac.org
Secretary:	Jim Zamerski	724-454-3003	newsletter@lhmac.org
News Editor:	Jim Zamerski	724-454-3003	newsletter@lhmac.org
Fuel Captain:	Bill Cecchetti	724-493-5105	Glow fuel/Members only

Correspondence or other RC club events/info, RC Sales/auctions please send to club president Jim Andrews or newsletter editor Jim Zamerski.
For club dues please contact club treasurer Rene Marquis

Next Monthly Meeting

Saturday, July 6, 2024, 12 noon

LHMAC Mammoth Park Field
Klaka Road, Mt Pleasant, PA 15666



List of Events

Laurel Highlands Model Airplane Club
(off of Klaka Road, Mt Pleasant)



Check our **LIVE CALENDAR OF EVENTS** for updates
and Details

2024

EVENT

LOCATION

June

Sat 1	LHMAC Monthly Meeting 12:00 noon	LHMAC Field
Sun 2	Mammoth Fest Parking	Mammoth Park
Volunteers needed. Please contact Pres Jim A to commit to a time slot (9-1 or 1-5) 724 837 4111		
Fri 7	Cub Scout Pack #213 Visit 6pm	LHMAC Field
Sat 8	LHMAC Float Fly @ Acme Dam (Rain date June 15)	Acme, PA
Sun 9	Warbird Pylon Races 1pm	LHMAC Field
Sun 9	Streamer Combat 1pm	LHMAC Field
Sat 22	IFC 10th Annual Summer Solstice Fun Fly	Indiana, PA
Wed 19-23	Flite Fest 2024 Furey Field	Malvern, OH
Sun 23	Warbird Pylon Races 1pm	LHMAC Field
Sun 23	Streamer Combat 1pm	LHMAC Field
Sat 29	LHMAC Float Fly @ Acme Dam (Rain date July 6)	Acme, PA

July

Sat 6	LHMAC Monthly Meeting 12:00 noon	LHMAC Field
Sat 6	Glow Day	LHMAC Field
Sun 7	Warbird Pylon Races 1pm	LHMAC Field
Sun 7	Streamer Combat 1pm	LHMAC Field
Sat 13	Cub Day	LHMAC Field
Thurs 18-21	Summer Soar For Fun, Highpoint Aviation	Ridgeley, WV
Sun 21	Warbird Pylon Races 1pm	LHMAC Field
Sun 21	Streamer Combat 1pm	LHMAC Field
Sun 21	Scale Contest 2pm	LHMAC Field
Thurs 25	LHMAC Night Fly 7-10 (Rain date Aug 1)	LHMAC Field

List of Events continued

Laurel Highlands Model Airplane Club
(off of Klaka Road, Mt Pleasant)



Check our **LIVE CALENDAR OF EVENTS** for updates
and Details

2024

EVENT

LOCATION

Aug

Thurs 1-3	Wings Over Piper	Lock Haven, Pa
Sat 3	LHMAC Monthly Meeting 12:00 noon	LHMAC Field
Sun 4	Warbird Pylon Races 1pm	LHMAC Field
Sun 4	Streamer Combat 1pm	LHMAC Field
Sat 10	LHMAC Float Fly @ Acme Dam (Rain date Aug 24)	Acme, PA
Thurs 14-17	Wally's Squadron Annual Fly In	Summersville, WV
Thurs 15-17	Golden Age RC meet	Bethel, PA, 19507
Sat 17-18	Westmoreland County Airshow (Partial Field Closure)	Latrobe, PA
Sun 18	Warbird Pylon Races 1pm	LHMAC Field
Sun 18	Streamer Combat 1pm	LHMAC Field
Thurs 29	LHMAC Night Fly 7-10 (Rain date Sept 5)	LHMAC Field

Sept

Sun 1	Warbird Pylon Races 1pm	LHMAC Field
Sun 1	Streamer Combat 1pm	LHMAC Field
Sat 7	LHMAC Monthly Meeting 12:00 noon	LHMAC Field
Sun 8	LHMAC End of Season Family Picnic	LHMAC Field
Thurs 19	LHMAC Night Fly 7-10 (Rain date Sept 26)	LHMAC Field
Sat 21	MVRC Giant Scale @ Cedar Creek Park	Belle Vernon, PA

Oct

Sat 5	LHMAC Monthly Meeting 12:00 noon	LHMAC Field
Sat 12	LHMAC Float Fly @ Acme Dam (Rain date Oct 19)	Acme, PA

Information Page Links

2023 Newsletters	LHMAC Membership Application & Renewal	Online Calendar Of Events
Map to LHMAC Mammoth Park Field	Map to St Pauls Lutheran Church	LHMAC FACEBOOK Page
AMA Enrollment	Map to Acme Dam Chestnut Ridge Park	
sUAS Enrollment	Map to Acme Dam Chestnut Ridge Park	
Recreational UAS Safety Test (TRUST)	Map to Flite Test Edgewater Park Minerva, Ohio	LHMAC Website
KLBE Museum Website	Map to KLBE Museum	
AMA District 3	LHMAC Field Rules and Regulations	

Message from President Jim Andrews



So much to do, so little time. How often have you heard that! Our club schedules many different events to try to appeal to everyone. And if we don't, you can always suggest a new event.

On Friday, June 7th, we hosted Cub Scout Pack 213 at our field. There were about 15 scouts present and a like number of parents and siblings. We gave each the opportunity to fly using our trainers and buddy box system. For many it was their first visit to Mammoth Park and several asked where the Giant Slide is located so I'm sure the Park will see them again!

Our events are not just an excuse to get to the field and fly but to meet with our friends. Our Float Flies are a great example of that since someone always shows up that we haven't seen in a while. An upcoming event put on by the Indiana Flyers Club in Indiana, Pa is a good example. Held next Saturday, June 22, is a chance to meet people from other clubs and to exchange ideas and see what other people are doing in the hobby.

Check our Live Calendar for more info on this and other events. And don't forget our Warbird pylon races and streamer combat held about every other Sunday.

The Picnic was a great success with good food from Gianelli's 2 and some really great desserts supplied by you, our members. Thank you. It was a great kick off to the summer flying season so let's get out there and FLY!

Jim Andrews

June 1, 2024

Monthly Club Meeting @ Mammoth Park Airfield Secretary Jim Zamerski



Minutes for the June 1, 2024 Meeting @ Mammoth Park RC Airfield

Officers Report

Secretary, Jim Z called for motion to approve minutes from last months meeting as posted in the last newsletter. Mark Y motion to approve, second by Bill K, motion carried.

Treasurer's Report.

Expenses Secretary Expenses, Picnic children's prizes, picnic event prizes, picnic Giannelli's Catering, picnic ice.

Income Raffle proceeds, float fly donations, picnic guests.
Jim Z motion to approve, second by Bill K, motion carried.

Vice President Raffle prize Micro Tundra and T-shirts.

News Editor Newsletter doing well. Anything to sell Text Jim Z @ 7244543003 with pictures, description, price, and contact information. You can also email newsletter@lhmac.org

Field control and Webmaster absent

Presidents report

60th anniversary picnic went well. If anyone has suggestions on how to make it better, contact Jim A.
Float Fly scheduled twice for this month. See calendar for dates and rain dates
June 22 IFC Summer solstice event. It's a great event and there will be a food truck.

June 2nd is Mammoth Fest. We will be parking cars again this year. Depending on the weather, the upper lot may be shut down. If it is, we will move everyone to the lower lot. Lot assignment schedule is available so please double check as to where you are to be assigned.

Friday, June 7, 6pm we will be visited by Cub Scout pack #213 from Murrysville. Anyone who would like to assist in our demonstration is welcome. Everyone will fly (on a buddy box) including parents and siblings.

We had Scout visit last year and it was very successful and fun!

Money was requested for hand launched gliders and/or pizza for the event.

Mark Y motion to approve, second by Bob, motion carried

New Bussiness

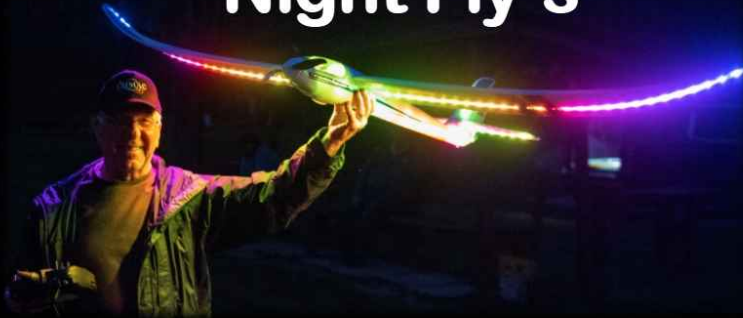
Fuel available to members by the gallon @ \$25 per gallon.

If other clubs are interested in purchasing, it will be sold as a case for \$100.

Show and Tell/Sell Rene showed an Eflite Piper Cherokee PNP, 51" wingspan, powered by a 4 cell.

Meeting Adjourned

2024 Night Fly's



Thurs April 25, rain date Thurs May 2
 Thurs May 23, rain date Thurs May 30
 Thurs July 25, rain date Thurs Aug 1
 Thurs Aug 29, rain date Thurs Sept 5
 Thurs Sept 19, rain date Thurs Sept 26

Fun starts at dusk!
 Electric powered planes only
 Bring a flashlight!
 Fly till 10 pm

LHMAC Field at Mammoth Park

AMA Required
 Event Safety Officers
 Mark Kaufmann 724-205-0082
 Jim Zamerski 724-454-3003
 Questions? Call or text

2024 Foamy Warbird Races

**LOCATION: LHMAC Field at Mammoth Park
 Off of Klaka Road**

TIME: Sunday's 1:00 PM

TOTAL RACES: 10 races total, best 8 scores

RACE DATES (10)

April 21
 May 5, 19
 June 9, 23
 July 7, 21
 Aug 4, 18
 Sept 1

RULES

**Foamy Warbird – Propeller Only.
 3-Cell LiPo battery.
 10 laps around pylons – left hand pattern .
 3 Heats – 30 Laps per race day.
 Must turn outside of pylons to
 avoid point penalties**

POINTS

Getting airborne: 2 Points
 Complete 10 laps: 5 Points
 Must land on geotech or grass runway, anywhere else will receive a 2 point deduction for that heat.
 First Place: 3 Points, Second Place: 2 Points
 Cuts (turning inside pylons): 1 point deduction per cut per pylon
 Scores tallied from your 8 best race days (out of possible 10 days) to determine season winners. Prizes TBD



**Contest Director
 Jeremiah Ulishney**
 Questions? Call or text
 724-875-2318



2024 LHMAC Float Fly's

Click [HERE](#)
 For map!

Acme Dam (Chestnut Ridge Park)

Sat May 11, rain date Sat May 25
 Sat June 8, rain date Sat June 15
 Sat June 29, rain date Sat July 6
 Sat Aug 10, rain date Sat Aug 24
 Sat Oct 12, rain date Oct 19

10-2orwhenever
 the rescue boat gets
 there!



AMA Required



Captain Dave at the helm of
 our rescue boat!



Event Safety Officers
Jim Andrews 724-837-4111
Jim Zamerski 724-454-3003
 Questions? Call or text



2024 Streamer Combat



**LOCATION:
 LHMAC Field at
 Mammoth Park
 off Klaka Road**

Aircraft used in Streamer
 Combat is the Crash Test
 Hobby "Assassin" with a two
 crepe streamers attached to
 the aircraft that is 30+ feet long.
 They are all launched
 simultaneously.
 Crazy Fun!



COMBAT DATES

April 21
 May 5, 19
 June 9, 23
 July 7, 21
 Aug 4, 18
 Sept 1

Combat flights will
 commence Between
 Warbird Race Heats

2024 LHM MAC Scale Contest

LHM MAC Airfield @ Mammoth Park

Sunday July 21 , 2:00

Rain Date Sunday July 28



COME OUT AND FLY YOUR SCALE MODEL

ELECTRIC, GLOW, OR GAS

MICRO TO GIANT SCALE

ALL WELCOME.



STATIC POINTS ---DOES IT LOOK LIKE THE FULL SIZE AIRCRAFT???

FLYING POINTS ---DOES IT FLY LIKE THE FULL SIZE AIRCRAFT???



Contest Director

Bill Cecchetti

Questions?? Call or Text
724 493 5105



Where?

Indiana Flyer's Club Field, located off Snyder Rd, Indiana, PA. GPS coordinates: N40° 33.192' W079° 06.069'. Follow the signs off State Rt. 954.

What?

This fun fly is open to all pilots with AMA membership, no landing fee, all types of aircraft (Including turbines) and rotor craft are welcome. The general public is welcome, come see our model aircraft and flying demonstrations during the day.

When?

June 22, 2024 (Rain Date June 29, 2024), Pilot meeting at 9:00 am, but come when you can, it's all about fun.

Who?

Sponsor: Indiana Flyer's Club, AMA Number 937, Tony Hallo (724) 953-9912; tony.hallo365@gmail.com

Click or scan here for a map to the entrance of the property



Wally's Squadrons 33rd Annual Fly-In Airshow

August 14, 2024 - August 17, 2024

Event Sponsor: [Wallys Squadron R/C Flyers](#)

Event Category: Fun Fly

Event Class: Class C

Description: 33rd Annual Wally's Fly-in airshow. August 14th -17th, four days of the best time you can have anywhere! Smooth grass runway (over 1,000ft), plenty of room for the jets and large aircraft. Night flying, fireworks and a pilot & family dinner Saturday.

Event Website: [Facebook: Wally's Squadron Summersville](#)

Event Code: 16092

Event Contact: JAMES HAMRICK

Contact Information: Phone: (304)276-2782, Email: hamrick.james@frontier.com

Site Detail: 321 Old Airport Rd, Summersville, WV, 26651 (38.32407, -80.8281)
[Get Directions](#)



Highpoint Aviation Airfield

A Premier R/C Soaring Destination

Scan or Click [HERE](#) for Link to Website



Annual Soaring Events at HighPoint Aviation Airfield



Spring Soar for Fun

March 21-24, 2024
15th Annual Event



Summer Soar for Fun

July 18-21, 2024
12th Annual Event



Fall Soar for Fun

TBD
58th Annual Event

Visit www.ScaleSoaring.com

Message from News Editor Jim Zamerski



Keep texting or emailing pictures

(*any size or format*) to me and any other RC related **events**, Notices, or interesting websites. They will be put on our Live Calendar, Facebook, or newsletter.

We all have too much stuff! So if you have anything you haven't used or flown in a while, send me a description, some pictures, a price, and a good contact phone number. We have many new members looking to fill their "hangars".

Our newsletter goes out to over 300 RC enthusiasts, so you will be hitting a targeted market!

Also, Members as well as non-members are welcome to sell in our newsletter.

email zamerski@gmail.com

text **724-454-3003**

**Live
Calendar
Of Events**



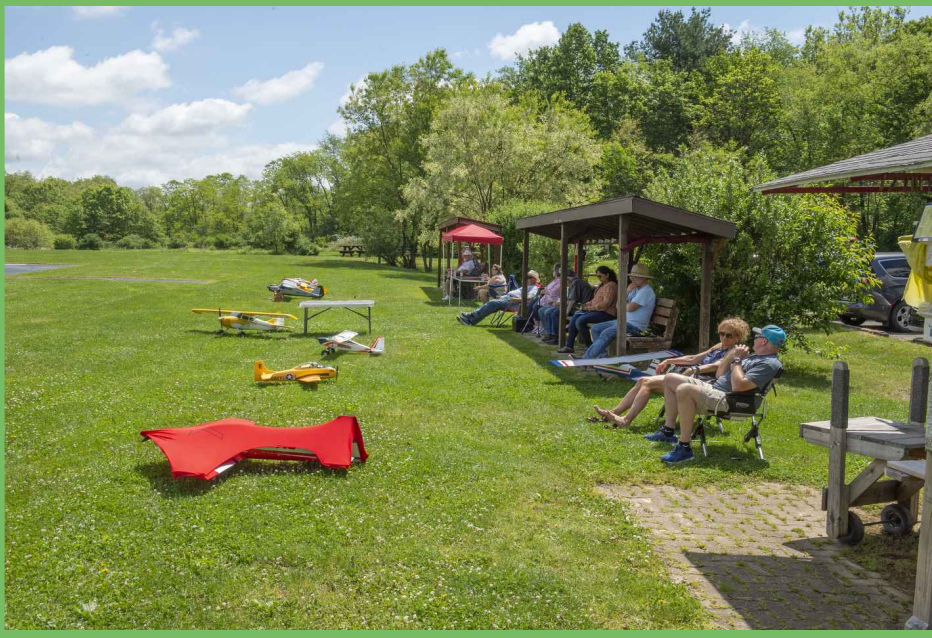
May 2024 Opening Day Family Picnic



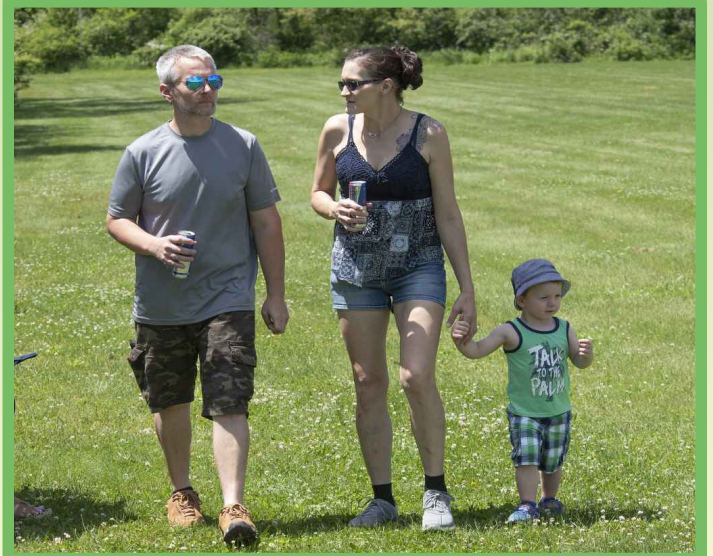
May 2024 Opening Day Family Picnic



May 2024 Opening Day Family Picnic



May 2024 Opening Day Family Picnic



FOR SALE



E-flite EC-1500 Twin. NIB \$400

Contact **Curt Hughes**
520-260-9867

FOR SALE



Contact **Tim Green**
724 787 7907

Durafly EFXtra Racer new. Never flown. Broken prop during storage. **\$90**

Flex Innovations QQ Extra 300. Approx. 20-25 flights. Last flight resulted in a hard landing and tore the landing gear off. Made a custom mount, but it didn't hold. No other damage to the air frame. RTF w/Aura and all the spares shown in the photos including carbon landing strut. Day version. **\$185**

FOR SALE



Contact **Tim Green**
724 787 7907

Flex Innovations Yak 55. RTF w/Aura. Total of 6 flights, one hard landing. Had to glue the landing gear back on. No other damage. **\$140**

Horizon Conscendo RTF. I don't think it's been flown. **\$85**

FOR SALE



Sport

INSTRUCTION MANUAL

WINGSPAN ◀ 60.2 in [1529 mm]	LENGTH ◀ 48.7 in [1237 mm]	WING LOADING ◀ 17.49 - 18.46 oz./ft ² [53 - 56 g/dm ²]
RADIO ◀ 4 - 5 channel 4 - 5 servos	WING AREA ◀ 592.8 sq in [38.24 dm ²]	POWER ◀ .46 - .55 cu in [7.5 - 9.0 cc] 2-stroke glow, .70 cu in [11.5 cc] 4-stroke glow, Motor: 1.65" [42 mm] 925W, Castle Creations Edge Lite 75 ESC (not included) ESC: 60A - 4S (not included)
WEIGHT ◀ 72 - 76 oz. [2041 - 2155 g]		

WARRANTY
Tower Hobbies® guarantees this kit to be free from defects in both material and workmanship at the date of purchase. This warranty does not cover any component parts damaged by use or modification. In no case shall Tower Hobbies' liability exceed the original cost of the purchased kit. Further, Tower Hobbies reserves the right to change or modify this warranty without notice.

READ THROUGH THIS MANUAL BEFORE STARTING CONSTRUCTION. IT CONTAINS IMPORTANT INSTRUCTIONS AND WARNINGS CONCERNING THE ASSEMBLY AND USE OF THIS MODEL.

TOWER HOBBIES
Champaign, Illinois
(217) 398-8970 ext. 6
airsupport@hobbico.com

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TOWA2030

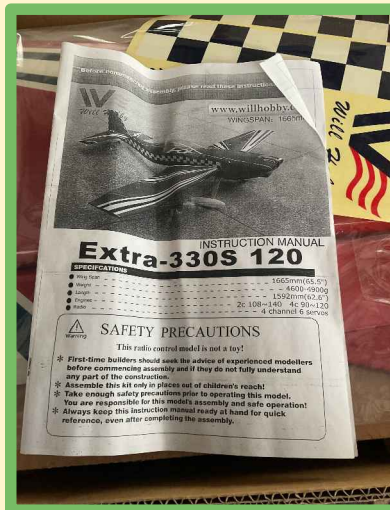
Tower hobby Sport. E flight power 46. Castle ESC , Hitec AR 620 receiver, Hitec HS 225 mg servos, Hobby Eagle A3 Lite gyro. Bind and fly ~~\$250~~ \$200

**Contact Bill Cecchetti
724 493 5105**

**FREE to good home!
Byron P51**



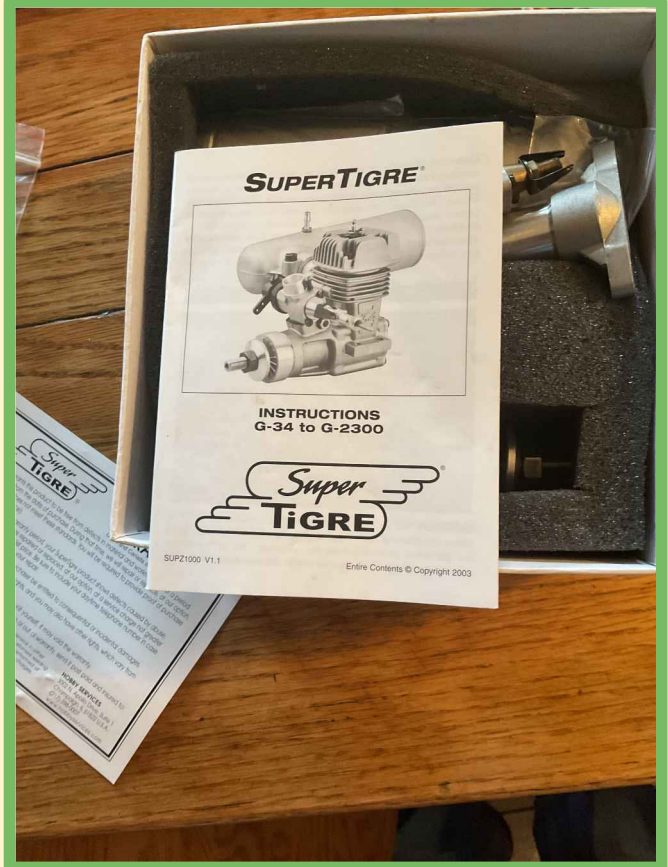
FOR SALE



Willhobby Extra-330S 120
NIB. All parts in original wrapping.
Asking **\$325**

Contact **Rene Marquis**
724-216-8327

FOR SALE



**Super Tigre G-90 engine
NIB \$150**

**Contact Rene Marquis
724-216-8327**

FOR SALE



Mini Apprentice RTF



Drone backpack Skypak 70.00

HeeWing T2 Cruza 1.2m twin new 300.00.
(Transmitter for scale only)

Mini apprentice RTF 150.00

Contact **Jeremiah Ulishney**
724-875-2318

FOR SALE



Contact **Jim Zamerski**
724 454 3003

E-flite Aeronca Champ 15e BNF, Power 15 Brushless Outrunner Motor, 950Kv, 3 cell, Spektrum AR6200 receiver, 40-amp ESC. Plane built but never flown. **\$180**

For Sale



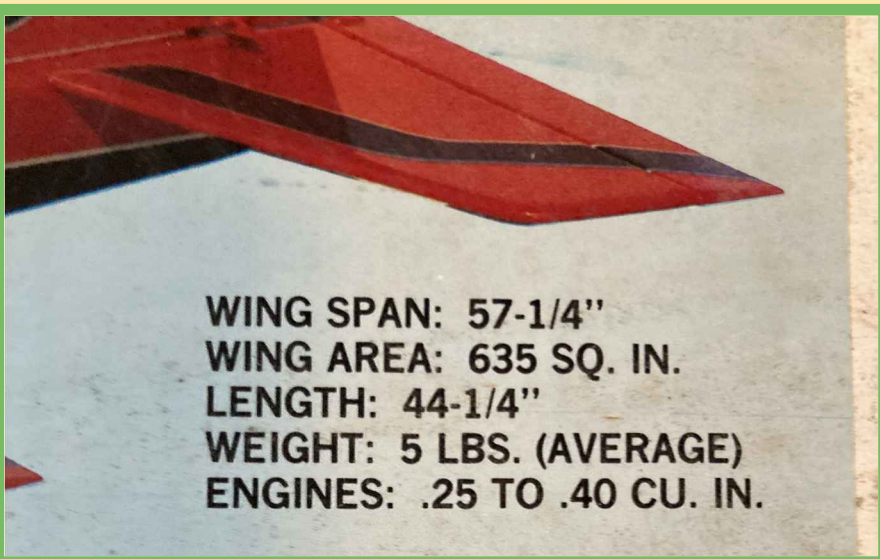
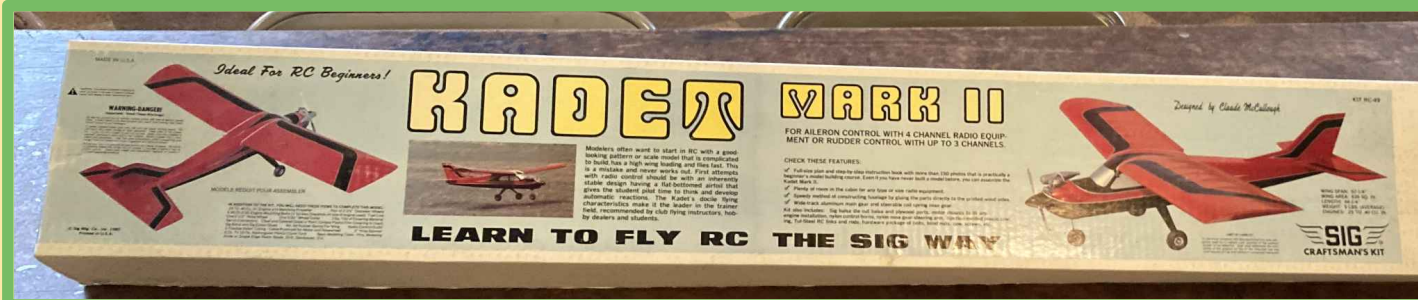
Tower Hobbies 40 size trainer, 4 mid/high end servos (Dual Aileron servos), uses 4 cell LiPo battery, has Spektrum receiver, and four 4 cell batteries.

Price with receiver \$225.00.

Price with out receiver \$175.00

Contact **Mark Yothers**
724-423-4725

For Sale



Sig Kadet Mark II
Kit **\$40**

Contact **Mark Hite**
724-771-3461

For Sale



Slip Stream Beaver 80 inch wing span, 20cc Valley View gas motor, 5 servos
all new. Needs a little work to be totally ready to fly. **\$375.00**

Graupner MZ 24 Pro Hott 12 channel transmitter. Retail \$500.00. Comes With transmitter case . **\$250.00**

Viking MkII (Semi symmetrical airfoil) sailplane 118in. span, Rudder, elevator, and spoilers, E-powered uses 3 cell lipo, comes with Admiral DSMX compatible receiver with Satellite, Vario and altitude telemetry.
Add your battery and is RTF (Soar). **\$325.00**

Contact **Mark Yothers**

724-423-4725



FOR SALE



Spektrum iX12 with carrying case and all original packaging. \$350

Contact **Rick Swiderski**
724-244-2235

FOR SALE



Hangar 9 Sbach 342

6s 100amp esc has nose repair from slight crash.

Spare Parts Inc **\$400**

Freewing ME-362 yellow

7. Minor hangar rash with some scuff on wings and bottom of engines

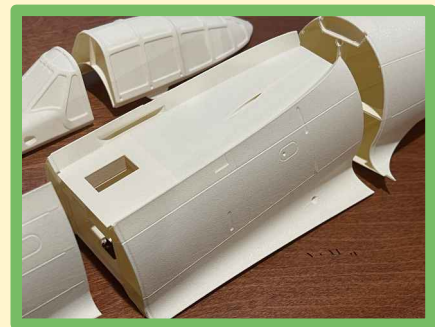
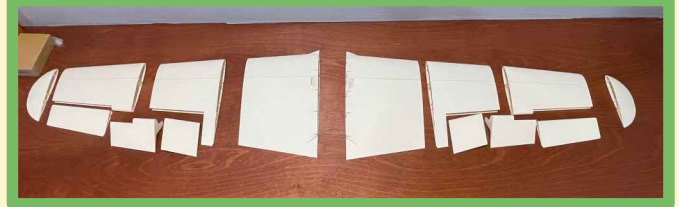
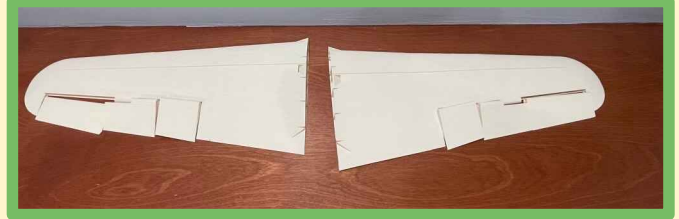
without RX **285.00**

with RX (BNF) **325.00**

Contact **Jeremiah Ulishney**

724-875-2318

FOR SALE



3D Lab Prints A6M2 Zero \$90

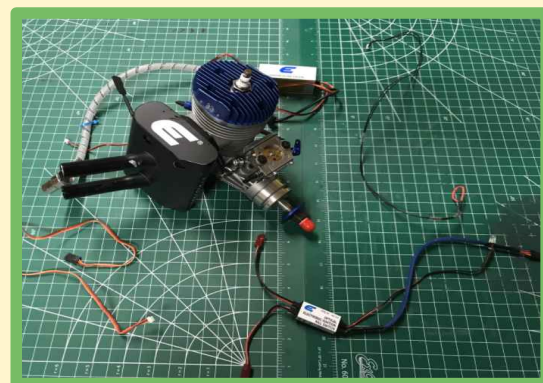
Hi Everyone. I have been 3d printing planes for a little while. I finally have the settings dialed to where I feel comfortable offering some completed prints to those who do not have a 3d printer. This listing is for the Zero from 3d labprint. It is printed in Polymaker LW-PLA (Light Weight PLA). This PLA is not quite as light as Esun or Colorfabb but the strength is far better and the looks are much better. Overall a much better finished product. 1m Wingspan
You provide the power system and your radio gear, pushrods, and hardware.

If you aren't familiar, 3d printed planes aren't perfect. They do need light sanding from time to time. The hard part has been done though. All you need to do is glue it together. I feel the assembly is easier than any of the Chinese ARFs of years past. I do 90% of the post processing so that you have as easy a time as possible. I will include all of the printed parts for one Zero airplane and a printed manual. Please let me know if you have any questions. I am always happy to answer. Please understand to fully print a plane takes 3 days roughly and this is a way to supplement the hobby for me, not my full time job. I get joy in making things as we all do being a part of this hobby.

Contact **Sam Borrelli**

661-236-5422

FOR SALE



TBS Capi2 FuriousFPV flight controller with GPS, camera VTX. Just needs RX. \$200

Opterra 1.2m has iNav flight controller, VTX, GPS. just needs RX and camera \$100

APC props 3-17inch and 1-18inch 25.00

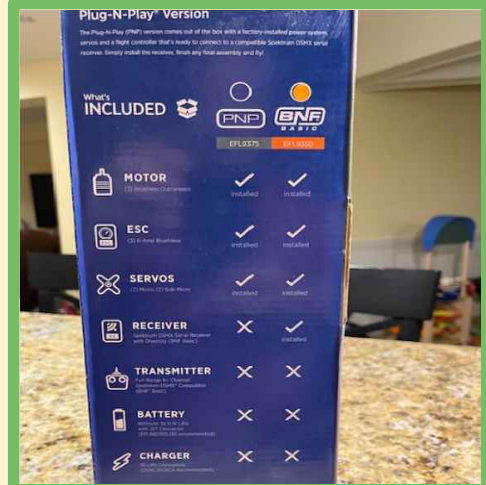
Two Master Aircrew 3 blade props. One is 16x8 and the other is 14x9. New never used. \$15ea

Evolution 33cc gas engine with sensors and ignition \$250

Shen Drone Terraplane Cinewhoop frame kit \$120

Contact **Jeremiah Ulishney**
724-875-2318

FOR SALE



Eflite Mini Convergence BNF version. Needs your battery and radio. Just got this about 2 weeks ago from local hobby shop. Bought on a whim. Not really for me. Flies great and hover is very stable. I prefer standard fixed wing craft. Flew 2 packs through it. No damage or blemishes. Includes extra props, extra decals are included should you want to change the look. FPV ready. Just add camera and goggles. Everything you see is included. **\$150.00 obo**

Contact **Sam Borrelli**
661-236-5422

FOR SALE



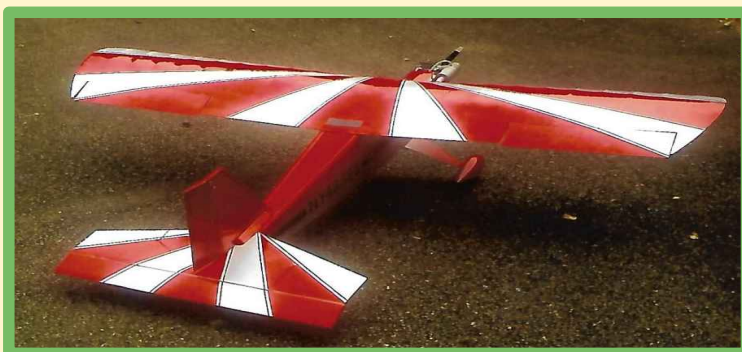
Precision Aerobatics Katana KMX New never flown
Just add receiver and battery **\$500**

Hitec HS-5245MG Digital servos. 1 new and the other
only have a few flights on them **\$110.00**

Hitec HS-645 MG (6 available) These are used **\$15.00 each**

Contact **Rick Swiderski**
724-244-2235

FOR SALE



Sig Senior 78", 60 size, scratch built, 5 channel, never flown, No engine or internal components **\$150 obo**
Sig Senior 78", 60 size, scratch built, 5 channel, never flown, No engine or internal components **\$150 obo**
Piper Vagabond 76", 60 size, scratch built, 5 channel, never flown, No engine or internal components **\$200 obo**
Piper Vagabond 76", 60 size, scratch built, 5 channel, never flown, No engine or internal components **\$200 obo**

Contact **Jim Pavick**
724-423-5159
(or Lisa Pavick 724-757-5678)

Message from President Jim Andrews



Thank you for coming to LHMACH field! New members may not be aware of the FAA requirements of the past several years. **These are the requirements** to fly at Mammoth Park Airfield:

AMA membership, go to modelaircraft.org



← Or Click or scan

Club membership, go to lhmac.org



← Or Click or scan

FAA registration, go to faadronezone.faa.gov there are 2 classes of registration, one for **recreational users(us)**, and one for commercial users. **For us**, recreational users, you will get one registration number that will be good for all your aircraft.



↑ Or Click or scan

TRUST (The Recreational UAS Safety Test) go to modelaircraft.org/trust to take take the test.



Remember, model planes and helicopters are considered drones by the FAA. After you complete the 4 steps, **make labels for each of your aircraft** that has the following things on it,

1. Contact info (Name and Phone #)
2. AMA number
3. FAA registration number

Attach this label to each of your aircraft. **FAA# Must be on the outside of your aircraft**

All other info can go anywhere on the aircraft.

While flying, you need to have 4 pieces of information in your possession:

1. Your AMA membership card
2. Your LHMACH membership card
3. Your FAA registration card (Small UAS Certificate of Registration)
4. Your TRUST Completion Certificate

At first it seems complicated but really isn't. The TRUST certificate is a lifetime certificate. The FAA registration is good for 3 years for \$5 and can be renewed keeping the same number. LHMACH is a yearly membership and AMA can be yearly, 2 years, or lifetime membership.

See you at the field!

Jim Andrews

Laurel Highlands Model Airplane Club AMA #557



Click here for
Google map



LHMAC Mammoth Park Model Airfield Boundaries



GAS/GLOW FLIGHT QUALIFICATION AND ELECTRIC FLIGHT QUALIFICATION

Qualification sessions must ensure that the flyer shows knowledge of and practices the field rules and can safely and competently execute the following:

- I. Set-up and check aircraft, engine and radio correctly prior to flight.**
- II. Make take-offs to the left and right smoothly and under control (two each).**
- III. Make left and right hand rectangular patterns with proper turns at a safe altitude (two each).**
- IV. Make horizontal figure 8 patterns parallel with the flight line with proper turns at a safe altitude. (two each)**
- V. Make landing approach and landings from the left and right smoothly and under control (two each).**
- VI. Make simulated or real dead-stick landings on the flying site safely and under control (one each).**
- VII. Keep within the designated field boundaries at all times.**
- VIII. Any fail on a section of testing will require a re-test of that section.**
- IX. Qualification is only valid if completed in the presence of a qualified club member and a class qualified (gas class or electric class) designated instructor or club officer.**
- X. Pilots with a gas/glow qualification may fly any aircraft that is AMA legal.**
- XI. Pilots with an electric qualification are not permitted to fly gas/glow aircraft without the use of an instructor .**