



Buzzard Droppings



Promoting the building and operation of radio controlled models, and the public acceptance and good will towards the sport/hobby. Our main goal is to have fun and enjoy the challenge of safely flying radio control models.

July 2019
Volume 26 Issue 7

Barnyard Buzzards

Model Airplane Club

AMA Chapter 2953
Monroe, Washington

Next Club Meeting is **Tuesday, July 9th, 6:30 PM** at Alfy's Pizza on RT 2 in Monroe ([See page 9 for a map](#)).
Program: Super Surprise



President's Message — Mark Weeks

Hey Buzzards,
Our Fun Fly is getting close. July 13th is the date to set aside. Chet has agreed to be the CD and has some great events planned. He will be sending out the plan for the day so you can get the best plane ready. I hope to see everyone there.

Spring and summer projects are progressing along as weather and time have permitted. We have a bit still to do to get ready for family day, August 3rd, comes. If you have a little free time, get ahold of one of the board members and we can

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June 11th Meeting Minutes

Vice President Vince Bell called the meeting to order at 6:31 PM
Vice President Bell introduced the club officers:

- President – Mark Weeks not able to attend due to recent surgery. We wish him a speedy recovery.
- Vice President – Vince Bell
- Secretary – Chet Blake
- Treasurer – Vaughan Houser
- Safety Officer – Don Bailey

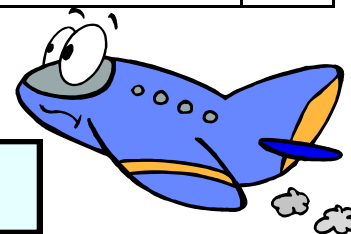
19 Club Members were in attendance

Motion to accept minutes as published, seconded and passed.

OFFICER REPORTS

Vice President – Glider event went very well, good weather. Don says, "Keep it the 3rd Saturday of May, it works well." Winners were –

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Club Officers and Contacts

President: Mark Weeks (425) 328-5705

Vice President: Vince Bell (425) 788-2456

Secretary: Chet Blake (360) 863-2953

Treasurer: Vaughan Houser (360) 691-2800

Safety Officer: Don Bailey (425) 350-9557

Webmaster: Mark Weeks (425) 328-5705

Field: Jay Bell (206) 234-7786/ Bryan Reightley (206) 940-0638 Newsletter Editor: Ron Swift (425) 788-6045



(President's Message continued from page 1)

guide you as to what still needs doing. Or if you have something you want to do - go for it. I'm not going to give away my little secret, but when you come out to the field later this month you will see some changes.

As some of you have seen, I have been in an air cast for the last couple of months and last month I had my ankle surgery. Everything is healing fine and I should be flying on my own soon. Why I bring this up is to remind everyone what a special club we have. I have had help moving my planes, chairs from my truck to the flight line or whatever was needed without me having to ask anyone.

Ward and Don went together as a team to retrieve a downed plane, but they could not have found it without Chet and Vince's help locating it with their quads. Time after time you hear about someone helping another member with something. Thanks to all of you for mak-

ing the Buzzards such a fantastic club and one I am proud of. I can't wait to tell anyone that I am a Barnyard Buzzard!!

See ya at the field,
Mark Weeks
BBMAC President



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1st place Bryan Reightley, 2nd Grant Schatz, 3rd Eric Bell. Floats n Boats coming up June 15 & Fun Fly July 13

Secretary – Chet reported 44 members

Treasurer – Vaughan reported the Club was in good financial status.

Safety Officer – Don reported no safety issues everything seems to be going well, no incidences to report.

Field Manager – Bryan reported the container was painted by Mark, Bryan and Chet. Car track driver's platform now has all the boarding anchored, driveway corner by the barn was cleared for truck delivery, Jay's been working on the container flooring, there's a new flight table, will be weed whacking Wednesday at the lake dock for the Floats n Boats. A lot of accomplishments getting done. Jay has purchased a 25 watt solar panel for container LED lighting.

Newsletter Editor – Hard copies available, always interested in pictures and articles.

Webmaster – Pictures, news and comments are always wanted for the website.

OLD BUSINESS

Mark reported that the recent work party went really well, 14 members showed up to lend a hand. Lots of projects were tackled. Awning covers were installed, flight table was built, debris moved out of driveway on north end of barn, car track railing installed, container was pressure washed, dirt moved and grass killer spread. Chet went out Monday and

applied a coat of Thompson's Water Seal on the new flight table.

Mark asked for a motion to build 2 more flight tables. Motion made, seconded and passed. Chet will purchase wood and kit up another 2 tables in the near future.

Richard Primo donated a nearly new BBQ grill and 2 propane tanks. Perfect timing as the current is getting pretty old and quite fussy at times. Thank you, Richard!

We need to paint the container. Mark will be asking ideas for paint color. Don will paint a tree type mural so the container will be aesthetically pleasing. If weather holds out this might happen 5/25

The mowing signup sheet is on line. At the time of the meeting, there were 9 slots filled out of 25 available. Chet mentioned that he talked to the President of the Arlington Eagles and they have to pay \$50 per cutting since there are no volunteers within the club. If that is equivalent to our 25 week cut schedule that would be \$1250 per year. If we would ever have to do that, membership dues would definitely go up in all categories. Please sign up and contribute to the success of our field.

Mark mentioned that the latest Model Aviation magazine had a really good article about all members being ambassadors for the Club. Each of us represent what the community or interested people see as the Club. Be welcoming at the field or meetings, share experiences, bring someone with you, get people hooked on RC. That helps secure the

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future of the hobby and the Club.

Jim Stewart mentioned he has a tractor with a brush hog and could be made available in July or August to re-cut the field where Mark did and possibly extend it more. Sweet!!

NEW BUSINESS

June 7,8 & 9 was the AMA Jamboree at Wenatchee Red Apple Flyers. Vaughan and Eric both attended. Wind was stealing the show. A lot of flying didn't happen due to extreme winds on Saturday. Vaughan reported Timmy and Dad were there from NorthWest RC and Timmy commanded the windy skies easily, not allowing them to stop him. Great pilot! A lot of advertised vendors didn't show up. The AMA was there with Rich Hanson and Mandy. All in all, a trip to that field is a great experience.

Mark is putting together plans to build a semi-permanent wood shelter on the north end where the current awning is set. This will allow a break from bad weather when the awnings are stored for the winter. He is donating the wood, Vaughan has stated he will donate the metal roof material.

For the June 15 Floats n Boats, Len has offered his small row boat for a recovery boat and Jay has a trolling motor and battery that could possibly fit onto it. Len also has built a R/C retrieval boat with pool noodles on it to push back wayward drifting dead planes. There is mention of FPV on it also. Thanks Len and Jay!

Don talked about the recovery of Ward's WW 2 era British Miles M.20 event. The plane went down on the final leg of test flights in the marshy area to the north, across the road. After beating the bushes for a couple hours, Don called Chet to see if he could bring his Phantom 3 quad and find it. After exhausting 2 batteries and literally no sight of it, one more quad flight with still photos were taken. Chet went over the stills at home and found the downed plane and in relatively good shape. After checking other photos for location, a Google Earth reference was made with approximate distance and direction plus GPS Coordinates. Ward and Don set out on Friday with the new info and found their plan of entry wasn't going to work. They returned Saturday morning, fresh with weed whacker, chain saw, boards to walk on and made their way to retrieve the plane. Vince had his Mavic and found the area and stayed over it doing circles so they could see exactly how close they were. Ward said he was 10 feet away and couldn't see it due to tall growth. Don and Ward made the way out much faster – straight to the road! The plane is repairable

and will fly again, hopefully at the August Scale Model event in Wenatchee.

This brings up a good point that we've always talked about.- when going deep into the terrain to retrieve a plane, PLEASE use the Buddy System. If possible put your phone in a baggy to keep it dry.

PROGRAM

Vince passed out ballots and explained the voting procedure for the annual builder's contest. There were 7 entries. Each contestant explained the build or modifications done to the model. Voting revealed the following winners..

Kit category.. 1st Place - Vince Bell, 2nd Place - Ward Emigh & 3rd Place - Paul Dibble

ARF category 1st Place Ron Swift, 2nd Place - Ron Swift.

Vince commented that there was a nice turnout this year and Award Certificates will be handed out at the July 9 meeting.

ANNOUNCEMENTS

There seems to be an infestation of deer fly at the south awning area. These little suckers (literally) bite. That begins a reign of itching that is unparalleled because it doesn't easily go away. ADVICE.- . bring insect repellent!

Membership count was corrected. Chet had not included Ward as our newest member bringing the total to 45.

ADJOURNMENT 8:16 pm

Respectfully Submitted by Chet Blake
BBMAC Secretary





Upcoming Events

The public is always welcome to come and check out our events free. All AMA pilots are welcome to participate in these events. We will have food and beverages available for each of the flying events.

Fun Fly	July 13	Great events have been planned
Family Day	August 3	Model Aviation Day, with Planes, Drones and Cars. Something for everyone
Combat	September 7	Annual Combat
Floats and Boats #2	September 21	Another Great Day on Lake Hughes
Club Auction & Fun Stuff	October 5	Yep, Buy and Fly all in the same day - help our charities. Please donate stuff!
Rebuilder's Contest	October 8	If You Crashed and Rebuilt Your Aircraft, Bring it - Might Win a Prize!
Night Fly #2	October 26	Practicing Night Flying Skills
Christmas Party	December 7	Annual Christmas Party - Camp Edwards Lodge 3 PM
Freeze-In	January 4, 2020	Annual Freeze-In - A Challenge to Stay Warm and Fly. We will have the burn barrels fueled and ready!

See the map on page 9—Guests are always invited to every event!
All AMA pilots are welcome to participate, too!!!

Builder's Competition



1st Place Kit Category—Vince Bell



1st Place ARF Category—Ron Swift



2nd Place Kit Category—Ward Emigh

- **Kit category..**
1st Place - Vince Bell,
2nd Place - Ward Emigh & 3rd Place - Paul Dibble
- **ARF category**
1st Place Ron Swift,
2nd Place - Ron Swift.



2nd Place ARF Category—Ron Swift





Safety Corner



Don Bailey

“White Heat”

We are in a new era of electric flight, with today's modern battery technology. The advent of lithium polymer (“li-po”) as an electron storage medium has brought on a virtual revolution in the arena of electric flight, offering some of the highest energy densities of any type of battery to ever come on stage. They are lightweight, powerful, capable of some astonishingly high discharge rates with low internal resistance and low operating temperatures, and they can store many times the charge of nickel-based battery media in a small, compact package. They are a truly miraculous breakthrough!

Along with all the hype, I'm sure you've heard the news that Lipo batteries can be dangerous. Abuse them, and they can turn into a high-order explosive device in a matter of seconds. For some truly hair-raising entertainment, look up “Lipo fires” on You Tube, and prepare to be astonished at the amount of heat and smoke and high-velocity flame a small battery can generate. Some guys call it “liquid fire”, or “white heat”, and the smoking hot jet of fiery fury that is ejected from a bad Lipo battery can burn down your garage or house in minutes. Obviously, to use such a device safely requires a high level of conscientious and disciplined conduct on the part of the operator, if disaster is to be avoided.

There are basically three main reasons things can go wrong with a Lipo battery:

Improper charging-- Most Lipo cells are designed to carry a charge of between 3.2-4.2 volts. If you force too much charge, the cells of your battery will begin to produce heat and gas. They may puff up and explode. Charging at too fast a charge rate will also produce this effect, due to the internal resistance of the cells. Use only approved chargers that are designed for Lipo batteries—NEVER use any other kind of charging device. Know your particular packs' charge rating (called “C-rating”), and do not exceed this current rate. Balance charging is highly recommended, so that all cells arrive at peak charge at the same time, and no one cell gets overcharged.

Damage to the cells—Damage can happen in a variety of ways. Crashing can be one of them! Another is an inadvertent puncture of the outer wrapping material. Lipos combust when their inner contents are exposed to oxygen. This is a chemical reaction, which is why only Class D fire extinguishers can successfully extinguish the flames. Never

bend or squeeze your Lipos into a tight fit compartment. This can cause internal damage to the cell membranes. Also, do not expose your batteries to heat or cold. Room temperature is always best for battery storage. And do not allow the charge level to go below 3.0v/cell, as this can compromise the chemistry. It is best to store your batteries at the mid-charge voltage of around 3.7v/cell, for best health and longevity.

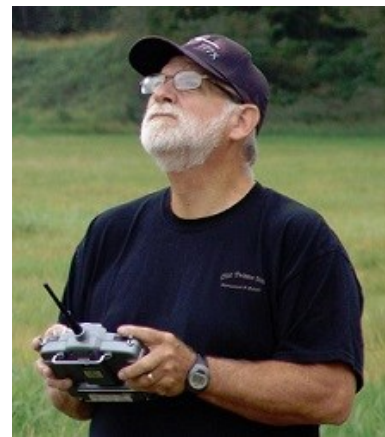
Short Circuit-- Crossing the leads on a Lipo battery is a surefire way to cause the cells to burst in flames. Never leave both power lead wires exposed to each other. Don't allow your battery anywhere near water, like the toilet or sink, or a puddle at the field. Make sure when you plug your Lipo into the charger that the wires are not crossed. Most chargers will safeguard against a possible reverse hook-up, but don't test this capability!

Prudent behavior with Lipos demands that we: a) always charge Lipos in a safe fireproof container such as a battery safe or Lipo bag, and in our presence (do NOT leave the room while charging!), b) do not run the batteries too far down with each use, c) never overcharge or charge too fast, d) be willing to toss out any Lipo that has puffed or been damaged in any way, and e) store our batteries in an ammo can or battery safe, and away from hostile or flammable surroundings. Be willing to replace them with fresh new Lipos before they start getting worn out. Also, learn how to safely dispose of Lipo batteries—no, they don't go in your garbage under the kitchen sink!

Be responsible with them, and Lipos will provide many hours of enjoyable use.

Until next time,
be safe and have fun!

Don Bailey, Safety Officer





ACADEMY OF MODEL AERONAUTICS NATIONAL MODEL AIRCRAFT SAFETY CODE

As an AMA member I agree:

- I will not fly a model aircraft in a careless or reckless manner.
- I will not interfere with and will yield the right of way to all human-carrying aircraft using AMA's See and Avoid Guidance and a spotter when appropriate.
- I will not operate any model aircraft while I am under the influence of alcohol or any drug that could adversely affect my ability to safely control the model.
- I will avoid flying directly over unprotected people, moving vehicles, and occupied structures.
- I will fly Free Flight (FF) and Control Line (CL) models in compliance with AMA's safety programming.
- I will maintain visual contact of an RC model aircraft without enhancement other than corrective lenses prescribed to me. When using an advanced flight system, such as an autopilot, or flying FirstPerson View (FPV), I will comply with AMA's Advanced Flight System programming.
- I will only fly models weighing more than 55 pounds, including fuel, if certified through AMA's Large Model Airplane Program.
- I will only fly a turbine-powered model aircraft in compliance with AMA's Gas Turbine Program.
- I will not fly a powered model outdoors closer than 25 feet to any individual, except for myself or my helper(s) located at the flightline, unless I am taking off and landing, or as otherwise provided in AMA's Competition Regulation.
- I will use an established safety line to separate all model aircraft operations from spectators and bystanders.

Privacy

Privacy It's important that you respect the privacy and property of others and be aware of your surroundings. What might seem like a cool flight path to you may be a nuisance or perceived as invasion of privacy by others.

Using imaging technology for aerial surveillance with a model aircraft capable of obtaining photographs and/ or videos or using any types of sensors for collection, retention, or dissemination of surveillance data or information about individuals, homes, businesses, or property locations where there is a reasonable expectation of privacy is strictly prohibited by AMA, unless you have obtained written permission from the individual property owner(s) or manager(s). AMA members should educate themselves on community ordinances, guidelines, or any laws regulating the ownership and operation of a model aircraft.

Batteries

The following is recommended for lithium batteries to preclude ancillary fires:

- Store and charge in a fireproof container—never in your model
- Charge in a protected area that is devoid of combustibles.
- In the event of damage from crashes, etc., carefully move the battery pack to a safe place for at least a half hour to observe. Physically damaged cells can erupt into flames. After sufficient time to ensure safety, the cells should be discarded in accordance with the instructions that come with the batteries. Never attempt to charge a cell with physical damage, regardless of how slight.
 - Always use chargers designed for the specific purpose; it's preferable to have a fixed setting for your particular pack. Many fires occur while using selectable/adjustable chargers that are improperly set. Never attempt to charge lithium cells with a charger that is not specifically designed for lithium cells! Never use chargers that are specifically designed for NiCd batteries.
- It is strongly recommended that you use charging systems that monitor, control, and balance the charge state of each cell in the pack. Unbalanced cells can lead to disaster if the system permits a single cell in the pack to be overcharged. This means that the charging system must provide charge cessation as each cell reaches the proper voltage. If the batteries show any sign of swelling, discontinue charging and move them to a safe place—outside. They could erupt into flames.
- Never plug in a battery and leave it to charge unattended; serious fires have resulted from this practice.
- Do not attempt to make your own battery packs from individual cells. Use only professionally packaged and labeled units that contain safer charging features.



Floats & Boats





Name: _____

Address: _____

City: _____

State: _____ ZIP _____

PHONE: _____ AMA # _____ YEARS MODELING: _____

EMAIL ADDRESS: _____

2019



RADIO FREQUENCIES 2.4 GHz 27 MHz 5.8 GHz (video)

72 MHz and channel # _____

50 or 53 MHz (HAM) Frequencies _____

MODELING EXPERIENCE (INCLUDING PREVIOUS CLUB MEMBERSHIPS)

PRIMARY INTERESTS/SKILLS:

- BUILDING ELECTRONICS PAINTING CONTEST DIRECTOR INSTRUCTOR
- COVERING CONTEST JUDGE DESIGN/EXPERIMENTAL SCALE SPORT
- PATTERN IMAC HELI QUAD/HEX

Month Born:

- January February March April May June
- July August September October November December

By accepting membership, I hereby agree to abide by the rules, By-Laws and regulations governing club flying and related activities, and will maintain current membership in the Academy of Model Aeronautics (AMA) for as long as I actively participate in said activities with the club.

In consideration of my use of the club flying facility, I agree to indemnify and hold harmless the land owner, the members and officers of the Barnyard Buzzards Model Airplane Club, Inc. from and against all claims, damages, losses and expenses, including reasonable attorneys' fees in case it shall be necessary to file an action suit arising out of my presence and use of the flying site, which is for the bodily injury, illness, or death, or for property damage, caused in whole or in part by my negligent act or omission

SIGNATURE: _____ DATE: _____

Full Membership: \$90.00
Family Member: \$45.00
Student Member: \$25.00

Please mail check and a photo copy of your current AMA membership to:

Vaughan P. Houger, Ph.D.
vphouger@gmail.com
14414 84th St NE
Lake Stevens, WA 98258
(360) 691-2800

One of the club officers will contact you, once your application has been reviewed. It is recommended that you attend one of our club meetings and/or stop out at our club flying field so that you'll have a chance to meet some of the club members and allow them to meet you.



25600 Monroe Camp Road, Snohomish, WA

Camp Edward and the Hanner's Memorial Field are located north of Monroe, Washington in Snohomish County. The most common route is from Highway 2 in Monroe near Albertson's. Turn north onto Woods Creek Road. As you travel north on Woods Creek road, it will come to a Y intersection, stay to the right (Yeager Rd).

If you go the left as shown by MapQuest, make sure you take the next right to stay on Woods Creek Road. Then stay to the left at the intersection where Yeager rejoins Woods Creek Road, be careful as oncoming traffic does not stop. Yeager will rejoin Woods Creek Road at a 4-way intersection. Stay straight-ish, not a hard right, be careful as oncoming traffic does not stop. In a few miles you will pass the entrance to Camp Pigott. Keep going. Turn right at the "T" intersection at Lake Roesiger Road. At the next "Y" intersection, stay right, staying on South Lake Roesinger Road. Turn right at Monroe Camp Road, (Lake Roesinger Store will be on the left). In about a mile, the road will fork again, stay straight. After a short distance you will see the Red Barn and our gate. Our parking is past the gate on the East side of the barn. It seems complicated, but once you come out, you'll see it is an easy drive...

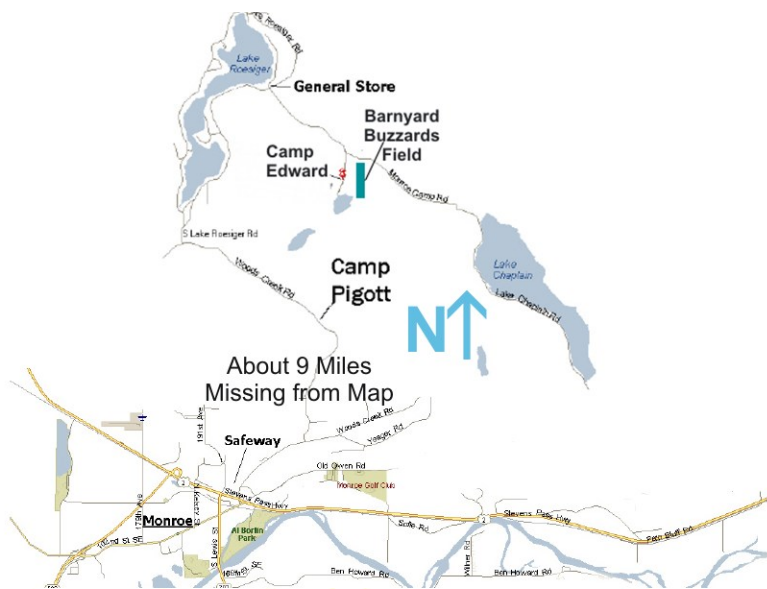
—>Alfy's Pizza (our monthly meeting place) is along RT2 in the Staples plaza near the new Harbor Freight store.

Barnyard Buzzard's Club Meeting

Our club meetings are open to the public. We meet at 6:30 PM on the **2nd Tuesday** of each month at Alfy's Pizza in the Staples Plaza on RT2, Monroe, WA. If you would like additional information, come out to a club meeting, or contact one of our club officers.

Each meeting starts with an introduction of the club officers followed by a short business meeting. Next we have a **program** about some aspect of the hobby/sport.

Then, a **Show & Tell** and **raffle** conclude the meeting, which ends at around 8:30 PM.

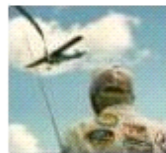


Upcoming Meetings

Meetings begin at 6:30 PM
2nd Tuesday

July	9	Alfy's Pizza
Aug	13	Alfy's Pizza
Sep	10	Alfy's Pizza
Oct	8	Alfy's Pizza
Nov	12	Alfy's Pizza

Barnyard Buzzards Pilot Training



Our club is dedicated to the safe pursuit and advancement of model aviation. We offer all members free lessons to learn how to build models and to fly them. If you should have any questions about the club, flight instruction or membership requirements, call any of the club officers. We have a safety checklist available.

Current Flight Instructors:

- Chet Blake (360) 863-2953
- Paul Dibble (425) 359-1808
- Ron Swift (425) 788-6045





Next meeting, **Tuesday, July 9th 6:30 PM** at
Alfy's Pizza on RT 2 in Monroe ([see map on page 9](#)).

Program: . **Super Surprise**



BBMAC
16325 315th Ave. NE
Duvall, WA 98019

Visit Our Website
<http://www.bbmac.net>

North West MODEL HOBBY

EXPO!

January 25 & 26, 2020

Saturday: 9 am - 6 pm Sunday: 9 am - 5 pm

HobbyTown USA

1130 SE Everett Mall Way, Suite F
Everett, WA 98208

Phone: (425) 355-8086

Fax: (425) 355-8078



Sandy DuVall, Owner

425-765-1546 - c
sandyd@cablespeed.com
www.DuVallsDazzlingDesigns.com

*Club Jackets, T-shirts, Hats, & Vinyl Letters
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