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# Bend Aero Modelers



## FLIGHT REPORT

JULY 2024

I thought I'd share a quote from one of our regular EDF pilots at the field with you on this front page. Something to ponder when your nerves about taking flight are getting to you.

**Don't let fear and  
a little common  
sense stop you!**

**Next Meeting  
Take Note!**



July 24, 2024

6:30 pm at Popp's Field

Come early to fly before meeting and  
stay late for night flying. Don't forget  
to bring food and drink!

# FROM THE EDITOR



by Andy Niedzwiecke

Hello all,

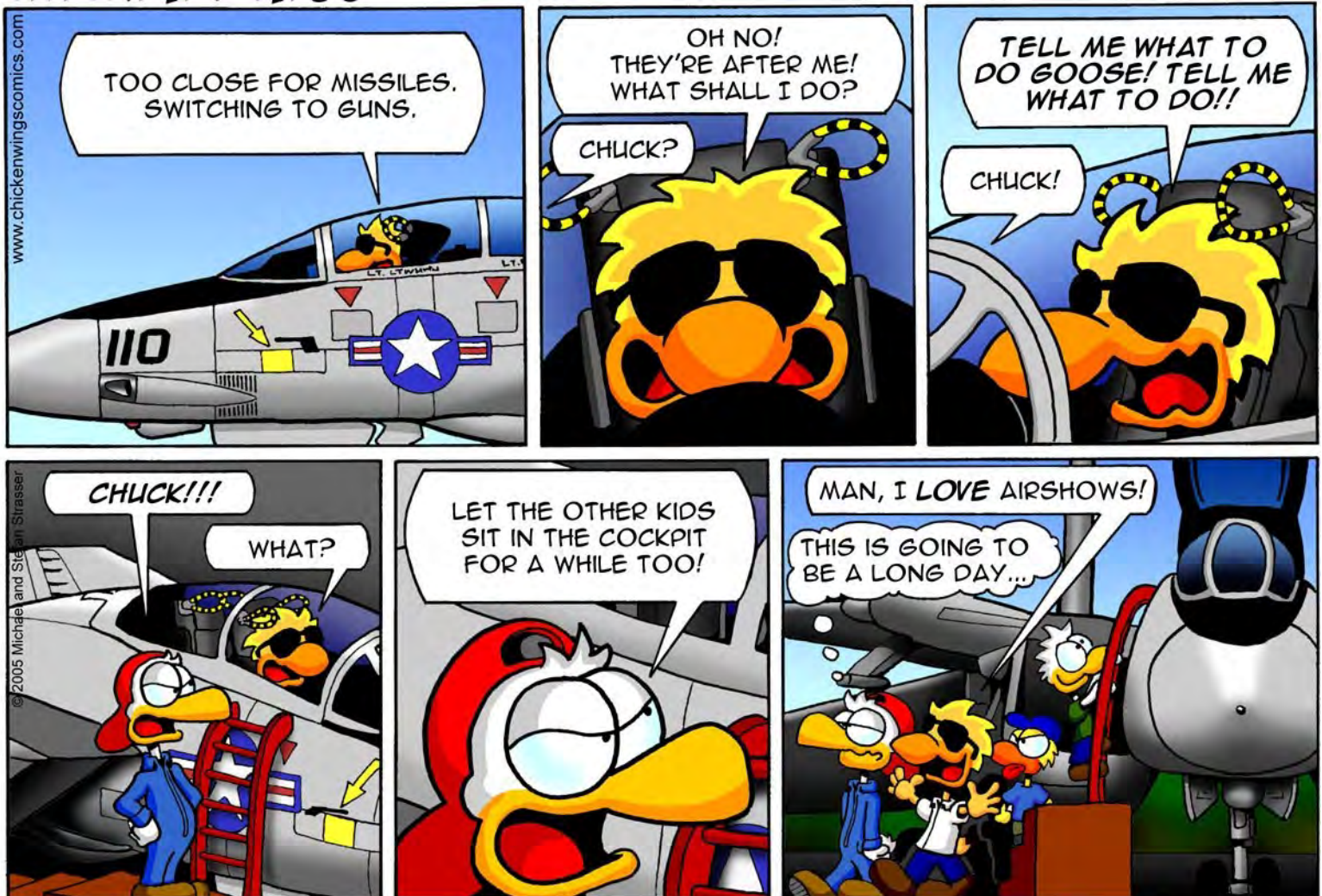
The time for our Firecracker Family Day event is just two days away and there is a lot of talk about the heat in our area. For the last two weeks some of us have been flying and staying comfortable by staying under our shade structures when not flying.

I have a tip that may help you stay cool when out at the field. Years ago, my wife and I showed horses in Southern California and sometimes that was in the middle of Summer with brutal heat. My wife came up with a way to stay cool when heat was overwhelming. Just take a small spray bottle, fill it with water and spritz yourself when you are too hot. This has a very cooling effect and does not soak you.

I hope that you that have RSVP'd are still planning on coming. We will have good hamburgers and dogs, potato salad and chips and cold drinks. There will also be a myriad of different styles of planes and one or two of our instructors will be there to give introductory flights to those who are interested.

I hope see you all Saturday!

*Andy*





# FROM THE PRESIDENT



by Bill Broich



I hope all of you have a way to escape some of the heat we have been having. It looks like it is going to continue for a while. Remember to keep hydrated with water. It is the best prevention you can do.

The heat hasn't kept many of us from going out and getting in some flying. Getting there early is the key. The winds are usually a little stiff around 8:00, but usually calms down enough to get in some flying before it warms up too much. In the shade it is actually very pleasant until early afternoon.

Of course, this leads to a lot of chair flying, and the conversations can really wander. While listening to some of the chatter around me, it struck me that we are really a diverse group.

As you would expect, we have several full size pilots. Airline pilots, ex-military pilots, private pilots, and these guys have some excellent stories. Just get them started, and away they go.

We also have doctors, aeronautical engineers, horse trainers, realtors, bankers, draftsmen, salesmen, auto restorers, and the list goes on. There are probably many others that I have yet to learn about. No wonder the conversations can cover a wide range of topics.

What ties us all together of course is our fascination with airplanes. Looking at them, talking about them, and of course, flying them. Even in that we have everything from true beginners, to well-seasoned flyers. And in this we are again very diverse. Giant scale, warbirds, jets (both turbine and EDF), sailplanes, trainers, 3D, just about anything with wings. I have even seen a helicopter or two.

So when you come out to the field, don't just fly and leave. Spend a little time and just sit down and talk. Who knows what wit or wisdom you may pick up, or dispense?



# FIELD MAINTENANCE

A large contingent of members showed up on a recent Saturday to install a partial section of new safety fence. Thanks guys!



Top left: attaching fabric to ballast pole (rebar inside pvc), Top right: Carrying assembled pole and attached fabric to position, Bottom left: starting to hang fence from existing wire, Bottom right: looks like a union shop but all were busy attaching fence.

Below: finished section of new safety



Below: Scott Roberts replacing wind sock.





# SHOP TALK



Well, we all don't have the room to have a "real" shop, but for those who don't you could take a few lessons from Dennis McMahon who is featured this month in Shop Talk. The photos here are just a couple that Dennis submitted but if you have never been to his house you would really be amazed at the amount of planes you can get into a home office. It is amazing that Dennis can get into the room, but he does.....I've seen it!

From Dennis McMahon: I don't really have a shop, only about a 30 x 30 surface in the garage wedged in between the zero clearance furnace and a chrome shelf unit. It basically holds a vise and my inexpensive Harbor Freight drill press, an indispensable tool. I have managed to commandeer our guest room, adding a couple of plastic folding tables that drift from disarray to disarray with each project, as can be seen in this candid, unstaged work in progress shot of an SE-5A build.



We also have one of those cabinet style fold-down beds like a Murphy bed that stands 41" high, for me a comfortable work height. We are signed up with the Home Chef meal plan, who sends all the ingredients for each meal and many come in nice plastic containers, which I crudely label and place on a short shelf atop the bed cabinet for parts, striving to keep them in roughly alphabetical order.





# MEMBER'S PROJECTS

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## *The End of the Line*

by Dennis McMahon

Well, last month's article on the Strike Master wannabe mentioned the math for a swept wing CG. It was excessively nose heavy, so per the instructions, I added 1.7 oz. to the tail along with some stickers mainly for contrast to aid in keeping track of it. Didn't look too bad except for lots of wear marks by handling it during construction. Went out for a maiden only to find that in all the tweaking, I had not ensured all my pushrod stoppers were secure and she fell back to the ground with minor injuries. Next days re-maiden proved more eventful with a more forceful tail first prang that spelled the end of this project. My heart's no longer in it and



It would take too much more re-design to give it the necessary stability, so:



**June 2024 Meeting**  
**SHOW & TELL**

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# Nothing!



There was absolutely nothing to show or share at the June meeting! Come on Guys, there has to be something out there that some of you are working on or products you have discovered that the rest of us can benefit from. Bring something!





# Bend Aero Modelers - 2024 Club Calendar

 Club Meeting	 Schaub Lake	 Firecracker Fun-Fly	 Club Christmas Party (TBC)	 AMA Charter Filing Deadline
 IRS Form 990-N Filing Deadline	 Club Membership Renewal Deadline			

January							
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	31	1	2	3	4	5	6
2	7	8	9	10	11	12	13
3	14	15	16	17	18	19	20
4	21	22	23	24	25	26	27
5	28	29	30	31	1	2	3

February							
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
5	28	29	30	31	1	2	3
6	4	5	6	7	8	9	10
7	11	12	13	14	15	16	17
8	18	19	20	21	22	23	24
9	25	26	27	28	29	1	2

March							
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
9	25	26	27	28	29	1	2
10	3	4	5	6	7	8	9
11	10	11	12	13	14	15	16
12	17	18	19	20	21	22	23
13	24	25	26	27	28	29	30

April							
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
14	31	1	2	3	4	5	6
15	7	8	9	10	11	12	13
16	14	15	16	17	18	19	20
17	21	22	23	24	25	26	27
18	28	29	30	1	2	3	4

May							
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
18	28	29	30	1	2	3	4
19	5	6	7	8	9	10	11
20	12	13	14	15	16	17	18
21	19	20	21	22	23	24	25
22	26	27	28	29	30	31	1

June							
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
23	2	3	4	5	6	7	8
24	9	10	11	12	13	14	15
25	16	17	18	19	20	21	22
26	23	24	25	26	27	28	29
27	30	1	2	3	4	5	6

July							
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	30	1	2	3	4	5	6
28	7	8	9	10	11	12	13
29	14	15	16	17	18	19	20
30	21	22	23	24	25	26	27
31	28	29	30	31	1	2	3

August							
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	28	29	30	31	1	2	3
32	4	5	6	7	8	9	10
33	11	12	13	14	15	16	17
34	18	19	20	21	22	23	24
35	25	26	27	28	29	30	31

September							
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
36	1	2	3	4	5	6	7
37	8	9	10	11	12	13	14
38	15	16	17	18	19	20	21
39	22	23	24	25	26	27	28
40	29	30	1	2	3	4	5

October							
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
40	29	30	1	2	3	4	5
41	6	7	8	9	10	11	12
42	13	14	15	16	17	18	19
43	20	21	22	23	24	25	26
44	27	28	29	30	31	1	2

November							
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
44	27	28	29	30	31	1	2
45	3	4	5	6	7	8	9
46	10	11	12	13	14	15	16
47	17	18	19	20	21	22	23
48	24	25	26	27	28	29	30

December							
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
49	1	2	3	4	5	6	7
50	8	9	10	11	12	13	14
51	15	16	17	18	19	20	21
52	22	23	24	25	26	27	28
53	29	30	31	1	2	3	4

NOTE: November club meeting is a week earlier due to Thanksgiving.



# SAFETY REPORT



## Bend Aero Modelers

Bend Oregon | AMA District XI | AMA Charter 2311



### General

1. All pilots shall be current members of AMA. Proof of current AMA membership is required prior to flying at BAM.
2. Visiting AMA pilots and new members of BAM shall receive a safety orientation by one of BAM's Safety Committee members or in the absence of a Safety Committee member, an Executive Committee (EC) member prior to their first flight.
3. Pilots Shall ensure flight operations in accordance with AMA's safety code and these Field Safety Guidelines at all times.
4. Pilots shall ensure proper operation of their aircraft and associated equipment prior to use.
5. Pilots shall show courtesy toward others and apply common sense when flying at BAM.
6. Pilots are encouraged to verbally enforce safe flying practices as appropriate.
7. All guests, spectators, children and pets shall be supervised by a BAM member at all times while in side the flying field fence and are encouraged to remain behind the pit tables.
8. When working on armed electric airplanes in the pit area, pilots shall always secure/restrain the aircraft from moving on the ground or rolling off a pit table. No rotating propellers are allowed.
9. No running fuel airplanes are allowed in the pit area.
10. R/C cars and other surface vehicles are prohibited anywhere inside the flying field fence.
11. Smoking is prohibited anywhere inside the flying field fence and shall be carried out in a safe and respectful manner in the parking lot.
12. Consumption of alcoholic beverages or controlled substances before or during flight is prohibited.

### Pre-Flight Operations

1. Pilots shall use the run-up stands when starting fuel-equipped aircraft engines.
2. For larger aircraft, pilots may use the taxiway rather than the run-up stands to start or arm their aircraft while keeping it restrained with the help of another pilot or any reasonable means.
3. For extended engine tuning and troubleshooting, pilots shall use the run-up stand provided for such use at the West end of the field by the porta-potties.
4. Pilots shall never leave their aircraft unattended while the aircraft is running or armed, even if it is restrained.
5. Pilots that use AM/FM radio equipment (50MHz, 53MHz and 72MHz) shall attach the appropriate frequency pin visibly to their transmitter's antenna whenever in use and shall place their AMA card on the respective channel pin on the frequency board in the clubhouse.

# **SAFETY REPORT** continued



## **POPP'S FIELD SAFETY GUIDELINES**

- 1. Pilots shall taxi aircraft only on the taxiways and runway. No taxiing is permitted in the pit area.**
- 2. While flying, pilots must remain behind the safety fence and never block the taxiways.**
- 3. Only pilots or a supervised helper are permitted beyond the safety fence (ie, to retrieve an aircraft).**
- 4. Pilots shall verbally communicate their intentions during takeoffs, landings, flights and emergencies (ie, "taking off right to left", "landing left to right", "on the runway", "dead stick", "low pass" etc.**
- 5. Pilots shall always fly their aircraft North of the centerline of the runway and remain within the approved fly zones. (see Fly Zone Map for details).**
- 6. Landing aircraft have the right of way. Dead stick landings shall be called as such and given immediate right of way.**
- 7. Pilots shall not take off from or land on the taxiways. This applies to all aircraft types, including rotary-wing and micro aircraft.**
- 8. No more than five (5) aircraft shall be in the air at one time. This includes rotary wing and micro aircraft.**
- 9. Pilots shall call all maiden flights prior to flight. All other aircraft shall be grounded until the maiden flight has been completed.**
- 10. All hand launches shall be called to alert other pilots. Hand launches shall be performed either from the runway or the area between the runway edge and the safety fence.**
- 11. Hovering craft such as, but not limited to, 3D planes, drones, etc are to hover North, clear of the runway to avoid interference with fixed wing aircraft operations. Whenever 3D planes or drones are flying, it is recommended to do so when fixed wing aircraft are not in the air.**
- 12. FPV (First Person View) flight is only permitted when the pilot has a spotter per AMA regulations.**
- 13. Gas turbine operations are allowed as long as they are in accordance with the AMA Gas Turbine regulations on the AMA website.**  
**<https://www.modelaircraft.org/content/ama-gas-turbine-program>**
- 14. When gas turbine planes are being flown, all other pilots are encouraged to relinquish the airspace to the turbine operations. An agreement between the turbine pilots and all other pilots for this recommendation should be discussed and agreed to.**
- 15. All planes that are reconstructed after a substantial crash incident shall be considered as doing a maiden flight and all considerations for a maiden flight shall be adhered to.**
- 16. If there are any questions that are not addressed here, the AMA Safety Handbook is available for reference at <https://www.modelaircraft.org/safety>**

**Updated 12/17/2022 By Safety Officer Andy Niedzwiecke**





**YOUR PASSION. HOBBY. ONE COMMUNITY.**  
Academy of Model Aeronautics 5161 E. Memorial Dr. Muncie IN 47302 | (765) 287-1256 | [modelaircraft.org](http://modelaircraft.org)

## **Academy of Model Aeronautics National Model Aircraft Safety Code**

Effective January 1, 2018

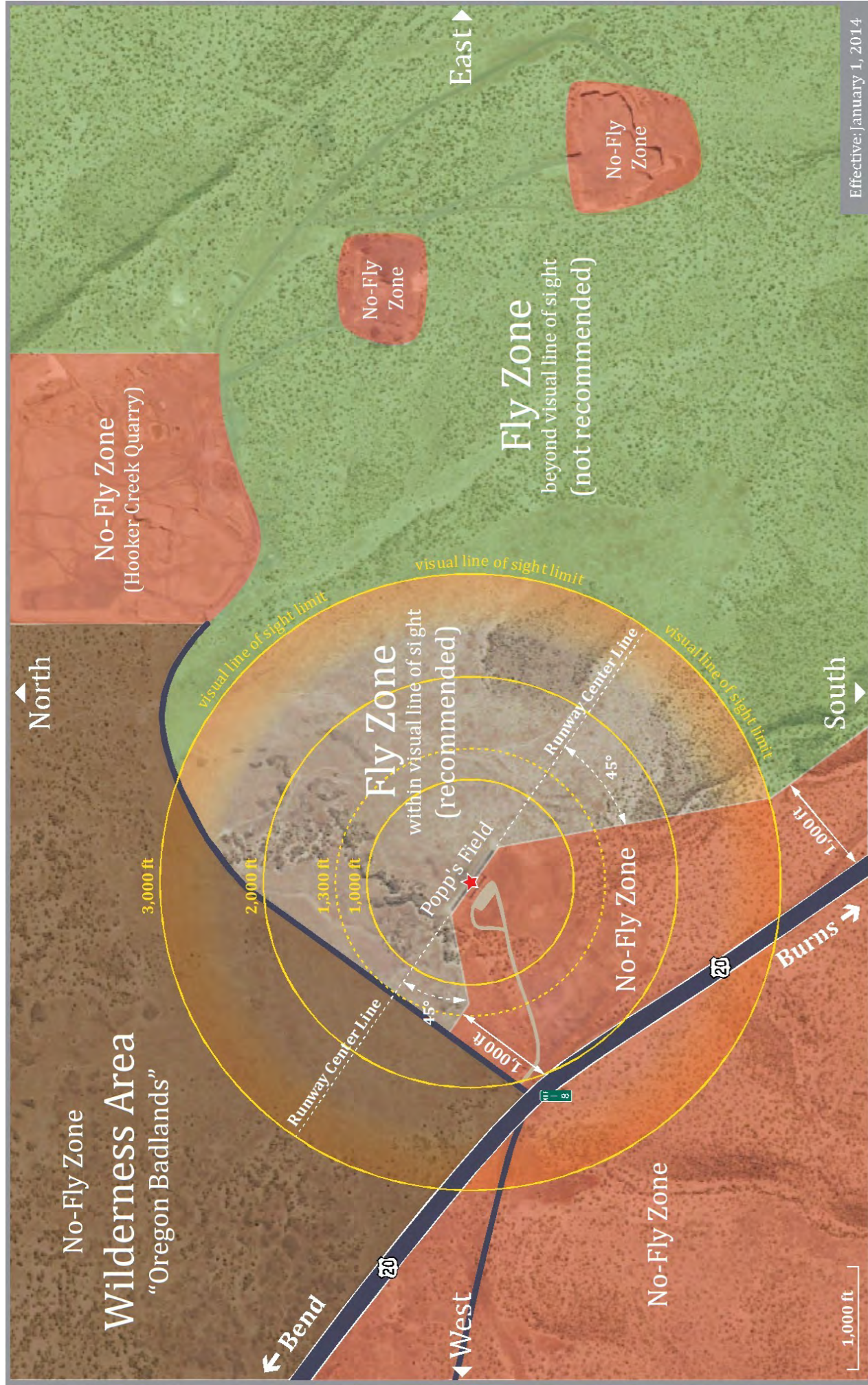
**A model aircraft is a non-human-carrying device capable of sustained flight within visual line of sight of the pilot or spotter(s). It may not exceed limitations of this code and is intended exclusively for sport, recreation, education and/or competition. All model flights must be conducted in accordance with this safety code and related AMA guidelines, any additional rules specific to the flying site, as well as all applicable laws and regulations.**

### **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 First-Person 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.

For a complete copy of AMA's Safety Handbook please visit:  
**[modelaircraft.org/files/100.pdf](http://modelaircraft.org/files/100.pdf)**





★ Popp's Field: Latitude 43° 56' 42.34" N / Longitude 121° 1' 16.21" W

No-Fly Zone

Wilderness Area (No-Fly Zone)