

President... Luke Hughes Vice Pres... Paul Edmunds

Editor/Publisher Joe Hunt

Secretary... Rick Sessions Treasurer... Kevin Hyde

NEXT GENERAL MEETING: Friday, Jun 25, 2021—7:00 PM – 9:00 PM @ Hawk Field, Standing Bear Park MEETING PROGRAM: Club updates, bring something to Show and Fly / show. Food available- 6:00 PM!

NEXT BOARD MEETING: Tuesday, July 20, 2021-- 7:00PM – 8:30PM Call in PC/Phone with Zoom

MEETING PROGRAM: Club updates, virtual cookies, and committee updates

ALL CLUB MEMBERS ARE ENCOURAGED TO ATTEND BOARD MEETINGS



Luke Hughes

Club's President's Message

Message for June 2021

Summer Omahawks RC flying is in full-effect! Less than 90 days until the Labor Day Airshow. By all accounts, I'd expect this year's show to be one of the biggest and

best turnouts in the recent past. This correlates that it could be one of the largest donations to Make-a-Wish that the Omahawks have contributed. The P-51 Gunfighter ride raffle, concession stand proceeds and general raffle items will determine the outcome. However; it's you, the members that will make the show! My point is ... tune up those planes that you plan to bring, and plan ahead to assure they'll fly safely and that you are comfortable flying them.

The attendees for the past 40+ years love to come watch. They love seeing the variety of planes, the styles of flying, and the specific segments of the show. So be sure you start to plan to fly your favorite airplanes as it'll be right around the corner. If you have any ideas for a special segment of the show, be sure to contact me. We plan to do some 'combat' streamer-cutting, 3-D, flower (bag) drop just to name a few. Please let me know if you have a special aircraft you'd like to feature, display or specifics of an event you'd like us to consider.

If you have any specific questions on attending and/or participating, please reach out soon!

Luke Hughes

Omahawks Apparel On-Line Ordering!

Here is the link to our customized on-line apparel website! Luke has made this happen with a quality supplier.

https://iknowpromo.commonsku.com/shop/fcc5a1d8-2cd4-4c33-83d7-2cc3125f812d

Items of interest:

- 1. We will all place our orders and pay for them online.
- 2. The club will have a designated order cutoff date: i.e. June 6th. On that date, all individual orders will be combined and a master order placed for delivery to the club.
- 3. We have decided to go with a standard yellow Polo Shirt for all Training Volunteers. The club will give training volunteers 50% off a polo shirt. (Separate email sent to volunteers with details.)

- 4. Samples of the shirts and caps will be available during May at training, at the 5/28-member meeting, 5/29 float fly and 5/31 Memorial Day Egg Burn. This will show you first hand the quality and we can even take verbal orders from you if needed.
- 5. It is expected we will have another ordering opportunity in the fall for the warmer items. (Don't wait, order the summer apparel now!)

Check it out, place your order now! I think you will be impressed! (Questions, call Rick, Kevin or Luke)

Fly with Pride! The Board

Omahawks Member Meeting May Minutes May 28, 2021 at 7:00pm Hawk Field

Membership Count: 160

Newsletter Report: Send in articles to Joe. Are you reading Newsletter? Include:

Suggestion Larry to include past Labor Day sponsors on website and in Newsletter.

Old Business:

Field Improvements: Shed almost done. Thanks Luke and team! Locking tool chest, workbench, new door, toilet installed. Metal splash panels, TV bracket and power

- 1. <u>connection for simulator to be installed. Brag wall in shed for MAW plaques will be</u>
- 2. done on west wall.
- 3. <u>Trip hazard on pavilion fixed by Fred W., Paul & E., Tom V., Cole, Jack F., Ron</u>
- 4. P., and Rick S. Thank you team!

- 5. New power outlets installed into pavilion by Paul E., Ron P. and Greg Ruhe.
- 6. Round table assembled and chained to pavilion. Memorial plaque for Dennis Bender to
- 7. be ordered and embedded into table. Dennis Bender: In memorial of the many years
- 8. <u>he graciously served us all. He will be missed. November 22, 1942--March 10, 2021.</u>
- 9. Additional memorial funds for umbrella needed.
- 10. <u>Field camera: Working great! Thanks Dan, Kevin and team! Very popular tool to</u>
- 11. quickly check who is flying.
- 12. <u>Marketing ideas: (Norris) Meetings with MAW and Parks to joint market.</u>
- 13. <u>Club apparel ordering online: (Luke) We encouraged everyone to get their apparel</u>
- 14. <u>order in online. The cut off date is June 6 th . Samples will be brought to events and</u>
- 15. training.
- 16. <u>Training program (Rick) Excellent volunteer participation and good flow of guests (22).</u>
- 17. Members (19) are participating too. Mid May we had 60 people at the field.
- 18. Formal presentation of solo pilots with certificates, include names and pictures in the
- 19. Newsletter. (see list below, any adds?)
- 20. <u>P-51 Gunfighter ticket sales—get tickets to sell from Kevin</u>
- 21. Website: Feedback? Need help logging in? Call Kevin or Rick.
- 22. <u>New Business:</u>
- 23. <u>Discussion on assistance to Council Bluffs' club which lost their field by</u> Ameristar.
- 24. No consensus yet. (No need for the chain link fence or stands.)
- 25. **Bought new grill.**
- 26. <u>Decision: Rocket club use of field once a month for 4 months (June, July, August, </u>

- 27. Sept), only small rockets w/streamers.
- 28. <u>3-D Flying Rules discussion. No hovering closer than the runway</u> middle line and
- 29. <u>acrobatics should NOT be done in such a way that the plane's</u> momentum could
- 30. carry it west of the safety fence.

31.

32.

- 33. **Upcoming Events:**
- 34. 5/29 Float Fly
- 35. <u>Memorial Day Egg burn on Monday May 31 st, 9am to noon.</u> (Reservations to Rick.)
- 36. Menu: Egg casserole, pancakes, juice, coffee. Bring own meat.
- 37. <u>Meeting Adjourned: 7:50pm Motion by: Seconded by:</u>
- 38. Officer Project Alignment/Responsibility for 2021:
- 39. https://docs.google.com/document/d/1ED1RyFb2smzq7NrdjwOVRNbg
 P-
- 40. SkKSwf/edit
- 41. <u>Field Projects:</u>
- 42. 1. New electrical outlets in pavilion. Done! (Paul, Ron, Greg)
- 43. 2. Lower shelves on all start up stands. Done! (Cole & Done)
- 44. 3. Re-do safety fence netting, too weak, pulls thru zip ties.
- 45. 4. Parking lot stones. (Parks)
- 46. <u>5. Water run off issues. (Parks)</u>
- 47. Solo Pilots past year:
- 48. Matt Wolfe May 2021 soloed
- 49. Mike Preston September 2020
- 50. <u>Cody Sandstedt leave blank</u>
- 51. <u>Derek Schmitz</u> blank
- 52. Klayton Schmitz blank
- 53. Rod Sigel April 2021
- 54. **Greg Wilson blank**
- 55. <u>Rick Kellogg blank</u>

- 56. <u>Sam Mahan blank</u>
- 57. Will Mahan blank
- 58. <u>Sam Bergman blank</u>
- 59. Nathan Biles blank
- 60. Shaun Brothers blank
- 61. <u>Dan Fitzgerald blank</u>
- 62. Ben Eberly blank
- 63. <u>Solomon Eberly blank</u>
- 64. Bunny Furrow blank
- 65. <u>Leonard Griffith blank</u>
- 66. <u>Joe Hunt blank</u>

Blank= solo date TBD

Omahawks Business Meeting May Minutes

May 18, 2021 at 7:00pm via Zoom

Board Members: Luke, Paul, Kevin, Rick, Shaun, Dan, Skip, Norris_

Visitors: Doug L., Jack F., Hague___

Officer/Chairman/Editor Reports:

Treasurer Report: (Kevin) Reviewed and accepted financial reports.

Membership Count: 160

Newsletter Report: Do biographies: In the works Bud M and Fred W, Safety article,

solo pilots, events, apparel ordering, training info, deck completion.

Old Business:

Field Improvements: Shed almost done. Thanks Luke and team! Locking tool chest, workbench, new door, and toilet installed. Metal splash panels, TV bracket and power connection for simulator to be installed. **We will do a brag wall in shed for MAW plaques.**

Trip hazard on pavilion fixed by Fred W., Paul & Cindy E., Tom V., Cole, Jack F., Ron

P., and Rick S. Great job team!

New round picnic table assembled and chained to pavilion. Memorial plaque for Dennis Bender to be ordered and embedded into table. In memory of Dennis Bender's long and loyal service to Omahawks, March 10, 2021. Cole to get plaque consistent with Eagle Scout style. Fred Wilke has offered to pay for Dennis' memorial plaque. Additional memorial contributions are welcome.

Field camera: Working great! Thanks Dan, Kevin and team! Very popular. Usage of data has been less than expected. Will re-assess at month end.

Marketing ideas: (Norris) Meetings with MAW and Parks to joint market need to be scheduled to co-market with them. Norris would like to get key contacts at news stations to publish our public service announcements. Discussion was had about our strategic marketing plan. How do we grow the club and promote aviation as a whole? Plug into ROTC and robotics programs at high schools via field trip to Hawk Field. (Shaun)

Summer Aviation Camp was discussed and the need for sponsors or grant money for the teens who would attend. Girl Scout troops could take a field trip to Omahawks. (Hague) ROTC at UNO an option too. Need team leaders to drive these initiatives.

Club apparel ordering online: (Luke) Ready to roll out to members. Decisions: 1. Have shirt and hat samples for Member Meeting, Float Fly and Memorial Day. 2. When to open/close ordering: open immediately, close in early June. 3. How to communicate to members: via email 4. Subsidize yellow training shirts for training volunteers. Here is the link for online ordering:

https://iknowpromo.commonsku.com/shop/fcc5a1d8-2cd4-4c33-83d7-2cc3125f812d

Training program (Rick) Excellent volunteer participation and good flow of guests (22). Members (19) are participating too. Last week we had 60 people at the field. Formal presentation of solo pilots with certificates, include in Newsletter.

P-51 Gunfighter ticket sales—get tickets to sell from Kevin, Rick or Luke.

Website: Steps to increase use of www.Omahawks.org (Rick): Dan's ideas of: web tour, quick links (done). Kevin: Newsletter article. Luke: YouTube, small groups at HobbyTown, new member training, mobile device differences. Cole: better labeling of Menu (Kevin to ask Jeff R.)

New Business:

Need for new grill: Voted to approve purchase of a quality 3 burner Weber.

Decision: Rocket club use of field once a month, small rockets w/streamers. We agreed to approve 4 months (June-Sept) and assess how it has worked in the fall. A club member will supervise the rocket activities and ensure safe retrieval of the low powered rockets. They could donate \$\$ as desired vs. an hourly fee.

3-D Flying Rules discussion. No hovering closer than the runway middle line and acrobatics should NOT be done in such a way that the plane's momentum would carry it west of the safety fence.

Member Meeting: May 28th at 6pm dinner, 7pm meeting at Hawk Field.

Upcoming Events:

5/28 Member meeting

5/29 Float Fly

Memorial Day Egg burn on Monday May 31st, 9am to noon.

Menu: Egg casserole, pancakes, juice, coffee. Bring own meat.

Meeting Adjourned: 8:22pm Motion by: Seconded by:

Officer Project Alignment/Responsibility for 2021:

https://docs.google.com/document/d/1ED1RyFb2smzq7NrdjwOVRNbgP-SkKSwf/edit

Field Projects:

- 1. New electrical outlets in pavilion. (Paul)
- 2. Lower shelves on all start up stands. (Shaun, Cole)
- 3. Re-do safety fence netting, too weak, pulls thru zip ties. (Rick to check alternatives.)
- 4. Parking lot stones. (Parks)
- 5. Water run off issues. (Parks)

Feature Articles

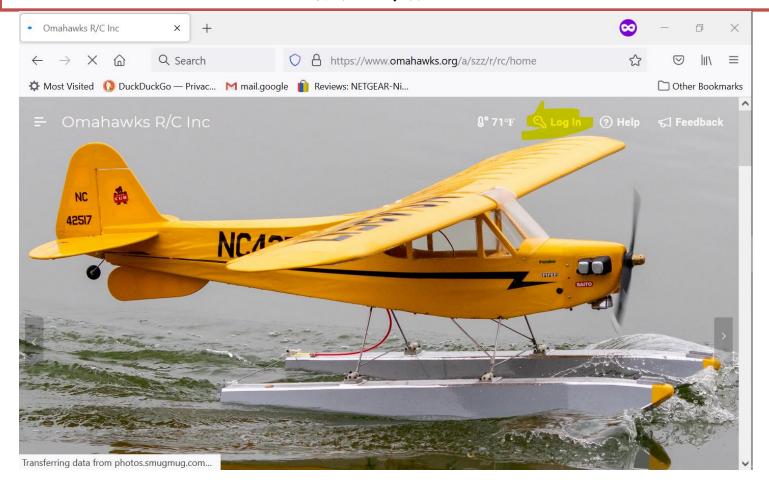
How to Post new items for Buy/Sell/Trade

Recently I needed to post a new item on the Buy/Sell pages of the relatively new Web Site Omahawks.org, I could not for the life of me remember how to add a new post.

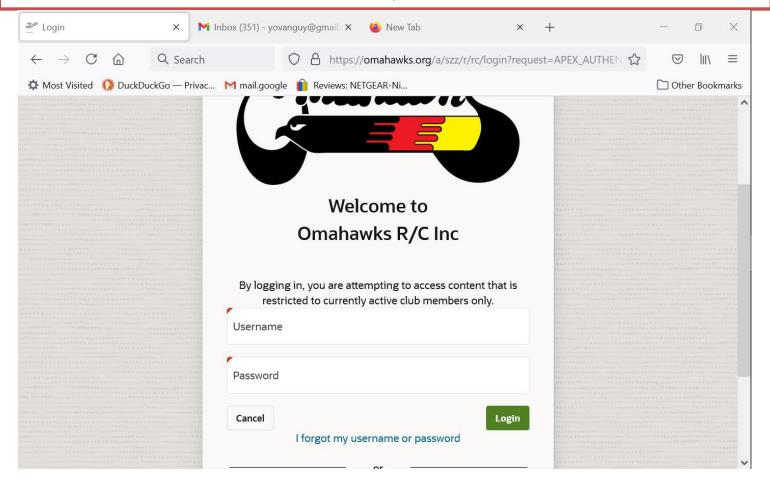
I have used the site before but I still was unable to recall the correct combination of key strokes to get the job down, I knew someone that could give me that info **KEVIN HYDE**.....

If you were or are like me, you work better off actual written instructions, so here is my little cheat sheet for next time:

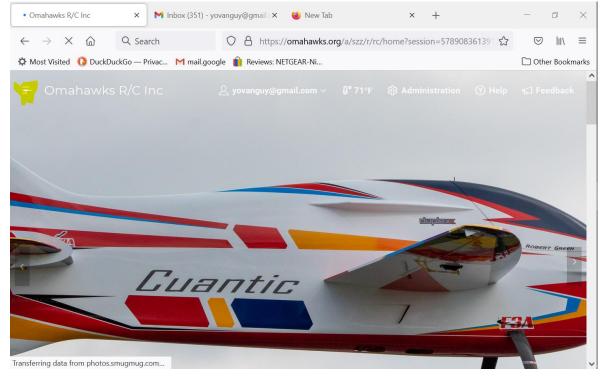
Open the https://Omahawks.org Web site as shown, then log in by clicking on the key in the upper right:



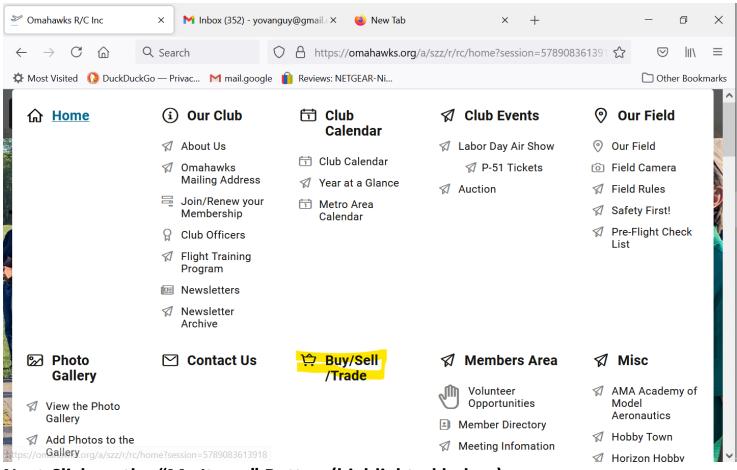
Log in with YOUR USER'S NAME and Password at this screen:



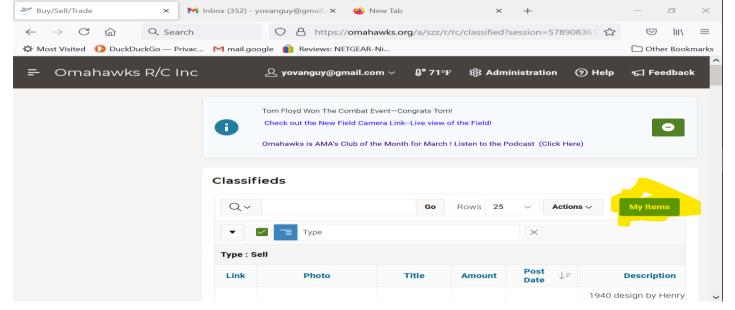
Next locate the three lines Menu Icon in the upper left of the web site; I highlighted it in yellow in the next screen shot:



Clicking on the menu icon will present this screen, now just click on the Buy/Sell /Trade Link:

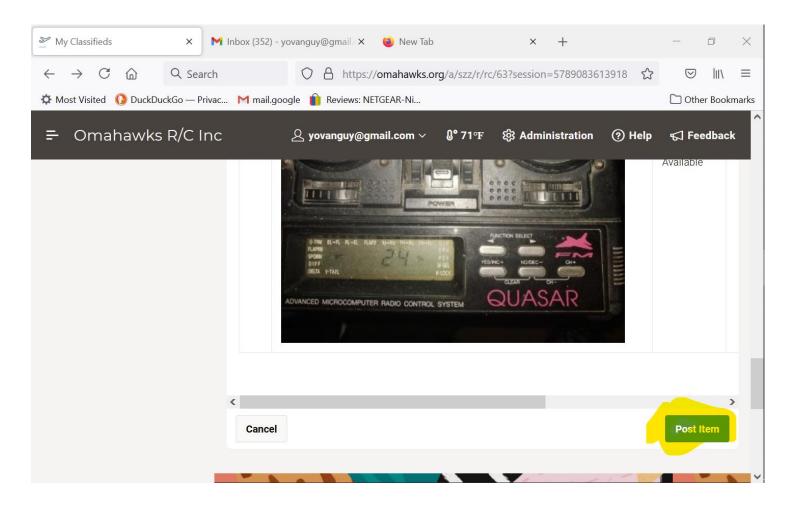


Next Click on the "My Items" Button (highlighted below):

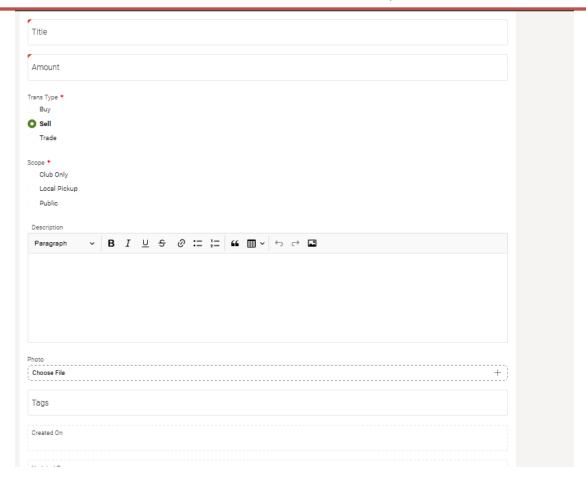


I this is the first time you're posting anything just click on the "Post Item" Button.

If you got entries already, you'll need to scroll to the bottom of your list and locate the button marked "Post Item" as shown on my next screen shot.



Now just fill in the next form, to populate all the fields using the online prompts!





So just click on the Create button to Post your new item, and repeat the process from "Post Item" to "Create" for each additional item you'd like to add!

Now you can start cleaning out your hangar, to make way for your next Airplane Building Project that I am sure you'll want to share with your other Club Members.

T-6 Texan Build

By Bernie B

I acquired a Ziroli AT-6 Texan from another club member at a good price.

It's a large airplane (with a 101" wingspan) powered by a Sachs 38cc engine. (Sachs engines were typically used in chainsaws back in the day.)



Texan Powered by a Sachs 38cc engine

I believe the plane is at least 20+ years old, so it had to be gone over from top to bottom.

Along with two pounds of lead on the firewall, it needed a couple of new servos, new fuel tank and air tank, rebuilt air retracts, and flaps.



101" wingspan AT-6 Texan

The engine needed a new spark plug, rebuilt carb, and someone who knew what there were doing to get it started the first time. I'm waiting on a couple of parts, but am hoping to fly it sometime this summer.

Many thanks to other club members who helped out along the way – Dean Copeland, Jim Simonich, Larry Inness, and good points from Mike Lawver.

Measuring control surface deflection in degrees??

By Jack Sallade (jsallade457@gmail.com)

Editors Note: Recently I was preparing a Newer to me Model for the upcoming Combat Fun Fly, it was a reproduction of the Flite Test "Bloody Wonder V2".

So I went out to the Flite <u>Test Plans Site</u> and inquired about how to setup my DX6 Gen 3 RC Radio transmitter to ensure a stable flight on launch.

To my astonishment, the Control Surface Deflection Values were listed in Degrees of Deflection only... it listed:

Control Surface Throws: 12 degrees

Expo Suggestions: 30%

I was completely perplexed; how would I convert this deflection into a measurable value, to setup on my model... So I resorted to an Internet search and was happy to locate the following article by Jack Sallade, located @ http://flyrc.info/wp-content/uploads/2013/12/Tip-Measuring-control-surface-defletion-in-inches-when-specified-in-degrees.pdf

Although I didn't have the meter listed, I used the formular below to convert the angle measurement into a measurable deflection value in inches.

I gratefully acknowledge that this article is reprinted here with Jack's Sallade permission!

Article start here: One of the tools I use just about every time I put together a new airplane is my deflection meter. There are a couple different models available but the one I have is fairly simple and looks like this:



It's fairly easy to use. You simply slip the assembly over the surface to be measured with the little pylons over a sheeted section or directly on the rib of the fixed surface. Position it so that the curved "ruler" portion is close but not touching the trailing edge of the control surface and move the pylons fore and aft a bit relative to each other until the control surface is pointing to the 0 at the center and then use the radio to deflect the surface fully and read the deflection in inches. The opposite side measures in millimeters so, if the manufacturer of your airplane uses metric, you are still in good shape.

The challenge for me came when I was finishing up my recent project and the specification for deflection was in degrees! 1" of deflection I can measure, but how much is 22 degrees?! I found a protractor and tried to measure with that but it was difficult at best and involved about 4 hands to do the measurement. I knew there was a mathematical solution involving triangles and trigonometry and fairly quickly located it in one of my old college text books. There were two drawbacks to that solution however. First, it required you to have a table of trigonometric functions available and I had to revive a lot of brain cells to remember how to use them. Second, it seemed to me to be imprecise since it was a solution for finding the size of the "opposite" side of a triangle with a certain degree angle which is not precisely what we are doing here. The path the trailing edge of a control surface on an airplane makes is actually is an arc, not a straight line! That is what the deflection meter is made to measure the length of right? Else it would be a straight

ruler and not curved. So back to the books for something more precise and that hopefully doesn't take a reference library to accomplish! Finally, in one of those dusty tomes on my shelf, I found something promising.

$$S = r\theta$$

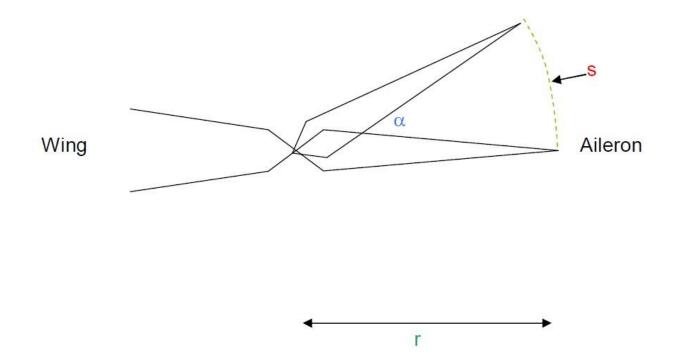
It was a formula that would calculate the length of an arc (the value) by doing some simple multiplication of the radius of the circle (the value) and the angle measured in radians .

Now what the heck is a radian?? Luckily, on the following page of the text was an explanation that ended with the information that a radian is equal to 57.3 degrees... After only a few miscues I finally arrived at this:

$$S = r\alpha/57.3$$

Where S equals the deflection of the surface r equals the length of the surface from hinge line to trailing edge And α equals the angle of deflection in degrees

Here is a picture to help explain:



So for my 28% Edge with a 5" aileron the manufacturer recommends 16 degrees at low rate and 23 degrees for high.

To calculate for low rates the formula looks like this:

s=1.39"

So for low rates - 16 degrees deflection is approximately 1 and 3/8ths inches (1.375").

To calculate for high rates:

s=2.01"

So for high rates – 23 degrees deflection is approximately 2 inches.

I hope this has helped you to better understand how to set up your control surface throws when the deflection is specified in degrees and you need to measure in inches. Feel free to email me at jsallade457@gmail.com with any questions or to run your calculations by me if you are unsure. This could easily be made into an Excel spreadsheet and I'd be happy to share that as well if needed. Article End.

Float Fly, Saturday, May 29

Submission and photos by Dick B.

The wind was mostly steady from the SE at 8 mph and temperature from 50 to 52 degrees (per World Herald). Mikey Furrow and son with boat made about 6-7 retrievals. Donuts were available. The city furnished two picnic tables. Despite the cool weather, turnout was good along with park spectators. There was always at least one plane in the air.

Signing in with float planes were: David Meyer, Tim Peters, Bryan Weeks, Roger Nemec, Rick Sessions, Derle & Klayton Schmitz, Frank Vanecek, Ron Pacana, Fred Wilke, Luke Hughes, Ben Eberly, Solomon Eberly, Cole Mayo, Greg Ruhe, Rod Sigel, Mikey Furrow, and Dick Behrens

Photos; David Meyer, Mikey Furrow, Derek Schmitz



Mikey F with his Sonic High Wing powered by a Thunder

Tiger GP 40 (Plane is 25 Size)



Derek S with his Float Plane

(I was unable to verify the planes name)



David M with his Maule M7.

Fly any Slow Plane, Wednesday, June 3rd

The wind was variable less than 3 mph and temperature 70 degrees. Donuts were available. Attending were:



Doug Buck with Flite Test Old Fogie -- weight 2.5 lbs -- photo



Paul Edmonds with small Big STick -- photo



Rick Sessions with Fly Baby & Quaker -- photo



Tom Floyd with Big Horn -- photo



Tim Peters with Green Cub & Astrohog – photo



Dick Behrens with Sig Senior -- photo

Several others participated, although no photos were available at production cutoff, they were:

Ron Pacana with Quaker

Loren Blinde with Witch Doctor & Airstream

Shaun Brothers with Double Diamond

Jerry Adams with glider - Radian

Tom Virgillito with Great Planes 40

Bud Mitchell with self

Joe Cole with self

Upcoming Events

- ** Breakfast get-together every Tuesday Morning @ Hy-Vee, 10808 Fort St,
 Omaha
- Jun 17th, 2021 --6:00 PM Dusk Flight Training @ Hawk Field, Standing Bear Lake, Omaha
- June 24th, 2021 --6:00 PM Dusk Flight Training @ Hawk Field, Standing Bear Lake, Omaha
- Jun 25th, 2021 --6:00 PM Dinner 7 PM Meeting starts till 8:30 ish May Member Meeting @ Hawk Field, Standing Bear Lake, Omaha
- Jun 26th, 2021 --9:00 AM 12:00 PM Old Timers Fun Fly @ Hawk Field,
 Standing Bear Lake, Omaha

. *OLD TIMER FUN FLY

- . Saturday, June 26, 2021, 9am-noon
 - . Hawkfield 138th Street, Omaha
- (Old Timer refers to models designed for free flight (no RC) in the 1930-1950 period)
 - Bratts, burgers, and drinks @ 11:15 am by Sheri S
 - donation requested





- Optional for anyone wanting climb and glide timing after 1030 via one or two ways
- 1 One method is to **limit the engine** run to 18 seconds to climb, then search for rising air to keep the plane airborne as long as posible. Timing is from lift off to touch down
- 2 Another is to climb with **an unlimited engine run** then dead stick glide to an exact three minute landing on the runway, with timing helper for the first two minutes. Pillot is then on his own to time the landing.
 - AMA pilots from all fields welcome
 - Sponosred by Omahawks
 - 402-451-6397 (Dick B) 402-312-6482 (Ric S)
- July 1st, 2021 --10:00 AM 1:00 PM Indoor Flying @ Community of Christ Church GYM, 140 Kanesville Blvd, Council Bluffs, IA 51503

It gives me great pleasure to be able to announce that the Cobras RC Club INDOOR Flying will resume on THURSDAY 1st July, 10am-1pm, in the Community of Christ Church GYM, 140 Kanesville Blvd, Council Bluffs, IA 51503, and continue every Thursday (subject to church gym activities).

The Indoor Flying will cost \$5/session. You must be an AMA member (please bring your current AMA Membership Card to the first sign in session). The fee will include coffee and a donut.

Non-flying spectators are admitted for free (subject to space limitations), but coffee

and a donut will cost \$1.

Safety rules will be displayed, and participants are expected to fly with safety in mind at all times. Only lightweight airplanes. drones etc. are permitted to fly. Unsafe behavior or airplanes will not be acceptable. Keep it safe and fun!

Just show up, sign in and pay the fee, and you are ready to fly. Everyone must be out if the gym by 1pm.

For further information email Kevin: ulavenger@yahoo.com Come fly in the gym with us where the weather is always perfect every Thursday!

- July 1st, 2021 --6:00 PM Dusk Flight Training @ Hawk Field, Standing Bear Lake, Omaha
- July 8th, 2021 –9:00 AM 11:00 AM Flight Training @ Hawk Field, Standing Bear Lake, Omaha
- July 10th, 2021 --9:00 AM -11:30 AM Float Fly @ Dock at Standing Bear Lake, Omaha
- July 14th, 2021 --9:00 AM 12:00 PM Old Timers Fun Fly @ Hawk Field,
 Standing Bear Lake, Omaha

For a complete list of all the Omaha Metro Area upcoming events please follow this link: http://www.metrorcflying.com/metro_schedule.htm