

It's Time for Some

Propwash

Since 1978, the voice of the Imperial R/C Club



www.ImperialRCClub.com



@Imperial RC

JULY 2021



**Model of
The Month
Winner!
Mike Williams
Pilot 31%
"Laser"**



***PRESIDENTS POINTS MEETING MINUTES CERTIFICATES / AWARDS
100 MISSION ROLL CALL S.A.D. AWARD 4TH ANNUAL IRCC TRIFECTA
FIRST FLIGHTS COMING EVENTS***



The IRCC President's Points

We recently lost a great RC Modeler, IRCC Club Member, and friend, Jim Mahoney! Thank you, Jim for your many years of support and friendship! Your family and friends are in our thoughts and prayers!

The AMA's National Model Aviation Day celebration is coming up August 14, 2021! It's time for the 4th Tri-Fecta Fun Fly and IRCC Family Day/Fly-in and the 1st Annual IRCC Speed Runs! The trophies are in and in order to win one you have to participate in either the Tri-Fecta Fun Fly or the Speed Runs! We will have Fastest Jet and Fastest Prop on the speed runs! Save the date! Black Bear Concessions will be the food vendor for the day for everyone to purchase.

We have a new Safety Officer! Thank you, Dave Mineo, for volunteering for the position! Thank you, Richard Moffatt, for your dedicated years of services to the IRCC as the Club Safety Officer. I know it wasn't always an easy job, but your leadership, counseling and field improvements have served the IRCC and the membership well; with that, I would like to personally thank you for your dedication to the job!

I would like to thank Don Patterson and Ed Cowart for their swift action in extinguishing the fire on Don's RV8 after it had total electrical failure! Although Don lost his airplane, Flex Jet was nice enough to send him a new one! He also received top honors from the IRCC for the crash of the month, featured in this month's SAD article!

We are starting to get some promising leads on new places to move the IRCC to! The Executive Committee is working overtime looking at the feasibility of properties for our operations as they come up for review! Stay tuned! If we do find a piece of property, ideally, we would like to purchase it, however, a new long-term lease with a new landlord is not out of the question if that becomes a viable option. The sale of the IRCC's current location is not complete, but it is becoming quite clear with the skyrocketing costs of land that we need to look now and secure a new home for our flying operations. Keep flying and enjoying the IRCC at its present location and when we know something, you'll know something.

The Executive Committee held its bi-annual meeting on Friday July 16, 2021. With the pending sale of the field and our search for a new field with unknown costs once we find it, all future expenditures will be reviewed and discussed by the Executive Committee prior to going to the club for a vote.

The Executive Committee will make its recommendation known to the club before a vote is taken on any future expenditures so that the membership can make informed decisions on voting for expenditures.

Both charging stations in the main pavilion are up to 200 watts of charging power each! This doesn't mean everyone can charge at once, but if you're charging, be courteous and please share the power stations.

The 100 RC Missions Over Florida is alive and well for the 3rd consecutive year! Remember, this is a "Health Barometer"; if you're feeling sick or curmudgeonly, come to the field, log some flights and you're guaranteed to feel better! Even if you get your "100", please keep logging your sorties throughout the year as it is interesting to see the number of sorties that get logged by our members

As a reminder, please do not fly over our northern boundary, which is the Seven Wetlands and a bird sanctuary just north of our field. If you see someone flying over the wetlands say something to that pilot! The IRCC membership has been doing a great job not flying over this boundary since it was made aware to us in February 2020!

The IRCC membership unanimously approved a parking plan for the IRCC that is now in effect on each weekend and during events. If you're not coming to the IRCC to fly, please park away from the main pavilion in one of the approved non-flying spots. There is an approved IRCC parking plan diagram of the "where to park" in this issue of the Propwash and we will keep it in there for perpetuity. If you're not here to fly, please keep the spots under and near the pavilion open and don't park in the field, which allows flyers with trailers the opportunity to have "swing room" to back their trailers into the pavilion.

No guest should be flying unless they are invited by an IRCC member, the member is present when their guest arrives, and the guest has a valid AMA membership. If you're unsure, ask the person in question to see their AMA and who their IRCC sponsor is. As a member of the IRCC - you have that right.

Thank you all for being awesome and taking care of business and being great RC modelers! It is truly an honor to be your President and I enjoy flying with you!

Get out to the field, be a friend,
keep your wings level with the
horizon and hit whatever you're
going to hit as gently as you can!
See you at the field!

Sincerely,
Jerry McGhee
President, IRCC



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IRCC MEETING MINUTES

Saturday June 5th, 2021

Recorded by Club Secretary – George Nauck

President Jerry McGhee called the meeting to order immediately after the pledge of allegiance at approx. 10:03 AM.

New Members and Guests: New Member William Reding was introduced.

Awards and Certificates: Mike Williams was awarded his certificate for June Model of the month. 100 mission patches awarded to Ian Clark and Tommy Nolin.

Minutes: Minutes for June as posted in newsletter were approved.

Treasurers Report: Treasurer Steve Jaworski confirmed finances are in good shape. Funds are transferred in part to interest bearing accounts. Steve iterated the wide area of search or which no acceptable land is available.

Membership Report: Current membership is at 126 paid members.

Field and Maintenance Report: Bill Pawl reported about new generator and that field would be closed Monday during core sampling.

Safety Report: Richard Moffat discussed the use of expensive fire extinguishers when there is no danger of a fire spreading.

Instructors Report: Jeff Hughes says all is good, with some students reaching milestones such as clear to take off and clear to land. Greg Martin and his son are moving into training.

Club Newsletter: David Raff reported all is going well and asked for any feedback.

Website: – Ron McKie reported that nobody has used the forum, and since it is added cost, he may remove it.

New Field Search Committee: Nothing new to report as of this meeting.

Old Business: Jerry reminded all to continue logging flights. Asked if anyone still needs to renew FAA drone registration.

New Business: Jerry announced intention to place ad about the club looking for land, and the club approved \$500 for expenses in hopes that someone will come forward with suitable land for lease.

Future Events: National Aviation Day will again be celebrated at our field with a fun-fly trifecta. There will be a fly for two minutes with no timer, spot landing competition, and a guess your speed competition. All is for fun and perhaps a few laughs. Black Bear Concessions will be available for eats.

IRCC MEETING MINUTES (Continued)

“Over & Above” Award: Over and above nominations were opened to members. Dan Hudson was nominated for his single-handed cleanup of the field following tropical storm Elsa.

Model of The Month: Mike Williams submitted a 31% PILOT “Laser” powered by a DA-60. As you saw on the cover, Mike now has back to back wins.

SAD Patch Award: Society of Aircraft Demolishers Award nominees: Recently Roger Griffith had a new Stick. Recently Don incinerated an assembly on the field with a spectacular fire and smoke. Recently George finished off his Red Communist Jet (third reconstruction) by putting it through the oak shredders on its way north at full throttle.

50/50: Drawing netted the club and Wally Sunday \$55.00 each.

Motion to Close: Meeting adjourned at 10:55 AM.

AWARDS & CERTIFICATES



(Left) Mike Williams is shown after receiving his Model of The Month Certificate for June from club president Jerry McGhee.

Mike went on to present another one of his aircraft for consideration for July.

(Right) Don Patterson is oh so happy to be receiving yet another S.A.D Patch Award.

Don was in good company though joined by fellow members Roger Griffith and George Nauck. But Don's rendition of what happened to his beloved RV-8, which included "spectacular fire & smoke" was enough to beat out the competition!



AWARDS & CERTIFICATES

Four new inductees to the
100 R/C Missions Over
Florida Squadron were
recently presented with their
“patches”.

(Right) Ian Clark & Tommy
Nolin

(Below Left) Todd Beatty

(Below Right) Drew Powell

Keep logging your flights
and your name could be
next!





2021 ROLL CALL

<i>Jerry McGhee</i>	<i>Jeff Hughes</i>
<i>Garry Marshall</i>	<i>Don Patterson</i>
<i>John Burdin</i>	<i>Ian Clark</i>
<i>Tommy Nolin</i>	<i>Todd Beatty</i>
<i>Drew Powell</i>	



**MEET
THE NEW IRCC
SAFETY OFFICER
DAVE MINEO**



During the June meeting, Richard Moffitt, who has been the clubs Safety Officer since 2017, announced that due to other obligations, he was not able to be at the field as much as he would like and resigned his position. Member, Dave Mineo volunteered to take over the position for at least the remainder of 2021. A BIG Thank You to both Richard for his many years of service to the club and to Dave for stepping up to help keep the IRCC a safe and fun place to fly!



IRCC July 2021 Award Winner

DON PATTERSON

The July 2021 Society of Aircraft Demolishers was called to order by the President of the IRCC. Like a priceless Sotheby's Auction, the candidates for this month's SAD patch nominees lined up to put on their best (really worst) crashes of the month for the IRCC faithful to decide...who crashed the best (really most spectacular)! Roger Griffith bit the dust on his maiden flight with a Stick! Geroge Nauck finally killed his YAK EDF by shredding it through a fence and trees! But the most spectacular, spectacular of all, was our very own Don Patterson with his "easy to fly" Flex RV-8!

In Don's own words: "There I was flying along when I had a complete and total electrical failure in the aircraft! I HAD NUTHIN'!" With that, the RV-8 descended rapidly to the ground to impact with a tremendous THUD! In Don's quest to reproduce and fly scale aircraft, he quite unexpectedly recreated a scale crash as the aircraft burst into flames upon impact! This author can only surmise that the battery hit with such force that it ruptured and ignited causing the fire!

Don Patterson and Ed Cowart swiftly extinguished the fire with the IRCC fire extinguisher! This prevented potential spread of the fire. Luckily, the ground was also wet to help keep the fire at bay. Had this been another time of the year, things could have gotten worse. Thankfully the IRCC membership takes flying RC seriously and the fire extinguishers were available for just such an occasion!

Don reported the incident to Flex Innovations, the manufacturer, and they sent him a complete new RV-8 without question! That was very nice of them and quite unexpected! Glad to see they stand behind their products and customers!

It is with great honor and pride that we offer this month's nomination for the SAD patch to Mr. Patterson! It is the seventh noted crash of the 2021 flying season; an award that we are all subject to earning at any given time in consolation for our stricken aircraft who we bravely launch into the skies in a constant pursuit of our Constitutional right to pursue and find happiness.

Thank you, Don, for this offering to the SAD community!

Until next month...



A dramatic "re-creation" of
Don's crash!



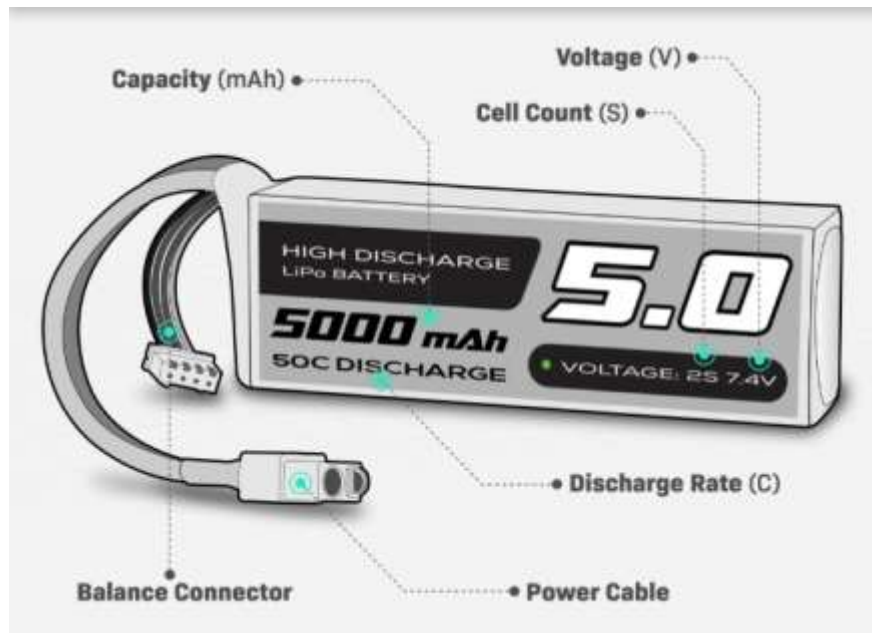
Jim Mahoney
1936 - 2021

James Randall Mahoney

DECEMBER 20, 1936 – JULY 11, 2021

James (Jim) R. Mahoney of Lakeland, FL passed away on Sunday, July 11, 2021, at the age of 84. He was born on December 20, 1936, in Shirley, Indiana where he grew up. He graduated from Anderson High School, Anderson, IN and went to Anderson Trade School for his apprenticeship in Tool and Die Making getting his degree in the late 1970's. He worked as a Tool and Die Maker/Welder at Delco Remy, Anderson, IN. He was actively involved in Radio Control airplane activities, Experimental Aircraft Association, Sun 'n Fun, and amateur radio. He was preceded in death by his parents Charles and Lorene Mahoney and his brothers, Tom Mahoney and Johnny Mahoney. He is survived in death by his wife Luzetta (Manyard), his sons Randy (Nina) and Rex Mahoney, and his daughter Dawn (Lyndon) Richey. He is also survived by his stepson Scott (Christy) Lange and stepdaughter Shelley (Jeff) Bratjan. He had 5 grandchildren, 11 great grandchildren and 2 great-great grandchildren. A celebration of life will be held at a later date. In lieu of flowers, please consider making a donation in his honor to The American Cancer Society.

UNDERSTANDING THE NUMBERS AND LETTERS ON A LIPO BATTERY



LiPo (lithium polymer) batteries: one of the greatest innovations in the RC universe yet, somewhat confusing. What do the numbers mean on a LiPo? What does the "C" mean? What does the "S" stand for? In this blog, we will decipher the LiPo code together.

Rating System: While the numbers and letters may seem intimidating (especially for beginners), they are actually here to help. Each number or letter is a measurement or rating which enables us to compare and choose the right LiPo battery for the right job. Ultimately, each different number and letter tells you 2 things: how long your RC model will run for before needing a recharge, and how powerful or fast your RC model can get.

Capacity (MAh): The first thing you should look at is the capacity of the battery which is measured in mAh ([Milliamps Hour](#)). The capacity simply tells you how much power your LiPo battery can hold. For example, a 5000mAh battery can output 5000 milliamps in 1 hour until it is completely drained. If you had an RC plane with a current drain (AKA load) of 20 amps (20,000 milliamps), then you can expect to fly for 15 minutes - $(5000\text{mAh} \div 20,000\text{mAh}) \times 60 \text{ minutes}$ - before completely discharging your battery. Generally, the higher the capacity, the longer your RC model will run.

Discharge Rate (C): The C Rating is a safety gauge that tells you the maximum current - measured in amps - you can draw without damaging your LiPo battery. The C Rating by itself may be a little misleading as you also need to know the capacity (mAh) to calculate the maximum current draw. The formula is as follows:

$$\text{Max Current Draw} = \text{Capacity} \times \text{C Rating}$$

So, if you had a 2S LiPo with a capacity of 5000mAh and a C Rating of 50, the maximum current draw would be 5000mAh (5A) x 50C = 250A. You can theoretically go over the recommended draw, however, this will overheat your LiPo battery and ultimately, damage it. The C Rating can also be used to determine how quickly you charge your LiPo batteries. A seasoned hobbyist may tell you to "charge your LiPo at 2C". This means to charge your battery at a current of the capacity (mAh) x 2C. So, if you had the same 2S LiPo with a capacity of 5000mAh and a C Rating of 50, charging your LiPo at 2C means to charge at 10A -- 5000mAh (5A) x 2C.

Cell Count (S): S stands for series and is used to indicate how many cells are [in series](#) inside the LiPo battery. For example, a 2S LiPo means that there are 2 cells in series within the LiPo battery pack while a 6S LiPo would mean that there are 6 cells. Each cell has a nominal voltage – the average voltage a cell outputs when charged - of 3.7V; so a 2S LiPo has a voltage of 7.4V (3.7V x 2) while a 6S LiPo has a voltage of 22.2V (3.7V x 6).

You can also tell the number of cells in a LiPo battery by counting the number of wires in the balance connector. If the balance connector has 3 wires, it is a 2S LiPo; if the balance connector has 7 wires, it is a 6S LiPo. The balance connector gives you individual access to each cell and is used to equalize the voltage across all your cells.

Just remember, the higher the S, the higher the voltage.

Voltage (V): The voltage of your LiPo battery is linked to the number of cells (S) contained within the battery pack. They go up in increments of 3.7V and generally, you will find LiPos from 3.7V (1S LiPo) to 22.2V (6S LiPo). Many hobbyists tend to think that higher voltage equates to a higher speed. This is somewhat correct, however, technically voltage is directly correlated with power - and power does not necessarily mean speed. For example, a heavy RC rock crawler will need a lot more power to drive through harsh terrains and overcome obstacles. An RC drift car, on the other hand, can use a much smaller voltage LiPo battery and still be much quicker than our off-road friend. When you buy an RC car or plane, you will normally find what voltage battery you need in the specifications; so, don't worry too much about it.

***The information provided above was taken from a Hobbyking Blog
posted on November 25th, 2020***

1/64 Plywood

Submitted by:

Steve Jaworski

Something a little different that we all use.

Click on the link below for a brief video on how it's made!

[Koskisen's Thin Plywood Industry - Koskisen ohutvaneriteollisuus - YouTube](#)

4th Annual IRCC TRIFECTA FUN FLY

The events for this Club Fun-Fly are meant to be non-plane breaking events that any aircraft can do that will test your skill and your luck. Have fun, stay safe, keep your wings level and hit whatever you're going to hit as gently as you can. This Fun Fly will take place on Saturday August 14, 2020, at 08:30 start time in conjunction with the IRCC Family Day and the AMA's National Model Aviation Day.

TROPHIES and RIBBONS

Three events 1st, 2nd, 3rd place for each event with a ribbon for each place.
1st, 2nd, 3rd place trophies for overall combined scores to the top three finishers.

THE EVENTS

Event 1: Fly for 2 minutes
Event 2: Precision Landing
Event 3: Guess Your Speed

MAXIMUM POINTS PER EVENT:

EVENT 1: 100

EVENT 2: 120

EVENT 3: 100

TOTAL MAXIMUM NUMBER OF POINTS COMBINED: 320 Points

THE UNBENDABLE RULES FOR ALL EVENTS

1. Qualifications: Must be an IRCC member (or guest of an IRCC member) & must use the same plane for each event.
2. Scoring: In order for a score to be tallied at least one wheel needs to land on the paved runway in each event prior to contacting the ground.
3. Any crash in any event will result in a score of Zero for that event. Contestant will finish with the points they have earned prior to the crash.

INDIVIDUAL EVENT RULES:

EVENT 1: FLY FOR TWO MINUTES

Time begins when the aircraft wheels leave the ground. Pilot commences to fly his/her aircraft for two minutes without the aid of any timer or encouragement from the crowd and/or by-standers. Detection of transmitter timers will result in a zero score. Time ends when the aircraft lands on the paved runway. Closest to the 2-minute time mark + or - (under or over the 2 minutes) will be ranked. Scoring is as follows:

1st – 100 points

2nd – 75 points

3rd – 50 points

4th and below – 25 points

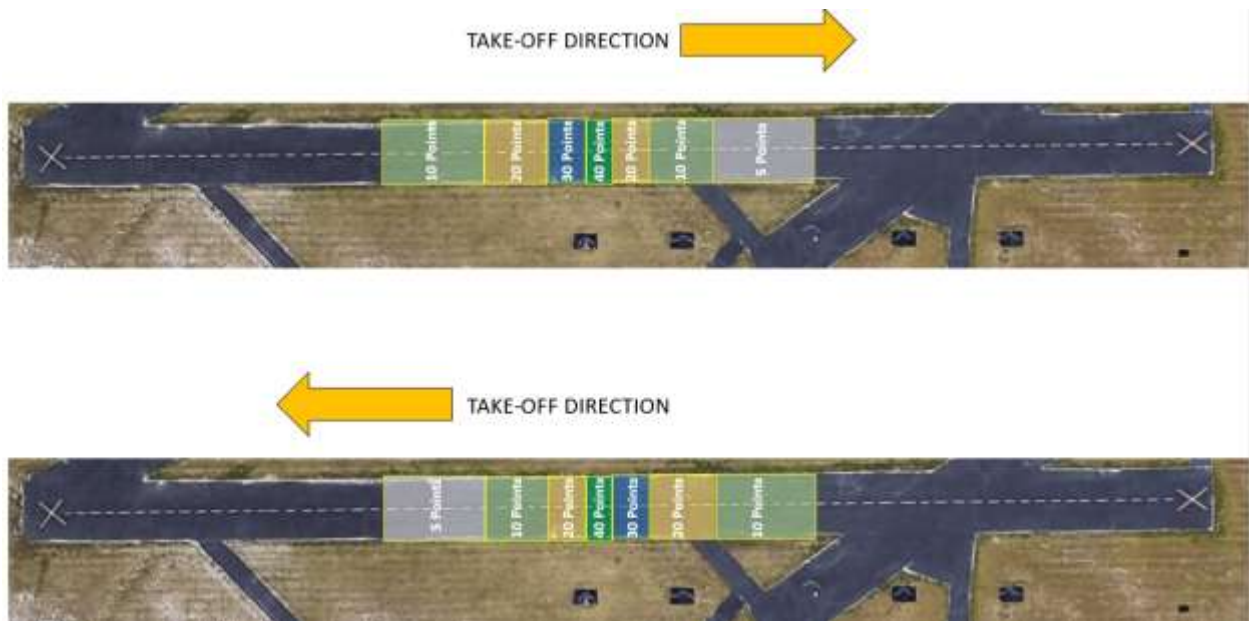
EVENT 2: PRECISION LANDING

Pilots will take off and make three touch and go landings with each landing being scored on the zone the wheel(s) touch into. IRCC Runway is 585 feet long. The scoring portion for this event will be 152 feet of scoring zones on the runway divided in 7 zones of 32' 24' 16' 8' 16' 24' 32'. In case of wind direction change, the direction of the take-off will determine the score sequence.

i.e. left to right take off. The score will be 10/20/30/40/20/10/5

One wheel of the main landing gear has to contact the scoring section of the runway and aircraft must maintain control after landing and remain in an airworthy condition.

There will be 3 scored attempts, the pilot will have to call the landing prior entering base leg. If pilot fails to land the score will be 0 and one attempt will be used. Any go around without touching the runway will result in a zero score.



EVENT 3: Guess Your Speed

The pilot will call his speed prior to flight. The pilot will then take his/her aircraft off and have three attempts to fly that speed. Speed will be measured by a Doppler radar gun. The closest matched speed of the three attempts to the speed called by the pilot will win. The pilot may call any speed prior to take off. For example: Pilot 1 calls 45 mph and flies 46mph. Pilot 2 calls 55 mph and flies 53 mph. Pilot 1 would win as they are +1mph and pilot 2 is - 2 mph. If 1 pilot fails to land on the paved runway the score is 0.

Scoring is as follows:

- 1st – 100 points
- 2nd – 75 points
- 3rd – 50 points
- 4th and below – 25 points

4th Annual IRCC TRIFECTA FUN FLY

MEDALS & TROPHIES

Still up in the air (no pun intended – yea right) on whether or not you are going to attend this year's National Model Aviation Day & compete in the 4th Annual IRCC Trifecta Fun-Fly Event on Saturday August 14th? We'll let's see if we can help you make up your mind!

In addition to having a swap meet, food available for sale by Black Bear Concessions & Family Day, this year's Trifecta will have some very prestigious awards that will be presented to the winners in each of the 3 events outlined on the previous pages.

Keeping with the 2021 Olympics theme, each of the three competitions will have a Gold, Silver and Bronze Medal for the top three pilots in each event.



Then, when all combined points from all three events have been tallied, the trophies shown above – THIRD PLACE, SECOND PLACE & GRAND CHAMPION will be presented based on the top three highest scores for all events!

And were not done yet!

You will also have an opportunity to claim bragging rights to having the ***FASTEST*** aircraft in the club with the 1st Annual IRCC Speed Run Contest!

Two separate competitions will be held depending on the propulsion system you are using.

1) EDF Class & 2) Prop Class

The “unbendable” rules for these events will be the same and are as follows:

1st Annual IRCC SPEED CONTEST

To be held in conjunction with the AMA National Model Aviation Day August 14, 2021 at IRCC

Top trophies:

Fastest Prop - Fastest Electric Ducted Fan (EDF)

Both categories of aircraft (Prop and EDF) will adhere to these rules:

Two consecutive passes, straight and level at the radar gun.

No diving, passes must not be more than a 10-degree dive angle.

The radar gun operator is the judge for whether the pass is valid or not.

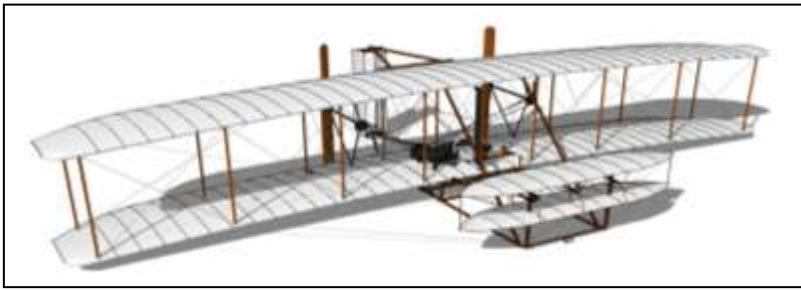
One upwind pass and one downwind pass. Speeds will be averaged from the two passes

Fastest average speed wins for each class (prop and EDF)

In the event of a tie, the two pilots tied will make new passes through the radar gun in conjunction with these rules.



The winners in each class will take home one of the trophies above! Good Luck to all!



JULY 2021 FIRST FLIGHTS!

Maiden flight on my E-Flight F-16 from Horizon Hobby!
Sweet flying jet! I chose to mark the jet from the Colorado Air National Guard. 27 years ago, I was recovering from surgery while in Colorado and would always see the jets from the 140th Wing flying out of Buckley ANG base.

Just my little thank you tribute to the men and women of the 140th Wing who helped me heal by looking up and hearing the ***"Sound of Freedom"!***



COMING EVENTS!



Cape R/Sea Hawks

Swap Meet

THIS SUNDAY

First Sunday EVERY month

FREE! NO SELLERS FEE!

1030 NW 28th St., Cape Coral FL 33993

- Time: Sunrise - 11 a.m.
- Bring your own table & chair(s)
- Porta-potties: On-Site
- Parking: Provided
(please be considerate of club flyers)
- Need things for the new plane? You might find it!
- Many great deals in the past! Come find out or sell!
- Need to free up space this is the time and place.
- More info: Club web site <http://www.rseahawks.org>

Location: Seahawk Park

1030 NW 28th St. , Cape Coral FL 33993

NEXT IRCC MEETING



SATURDAY
August 7, 2021
10:00 AM



www.imperialrccclub.com

Newsletter Articles

Welcome

Have something of interest that you would like to share. Please forward to the editor at

raff7113@msn.com

