



It's Time for Some

Propwash

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

www.ImperialRCClub.com



@Imperial RC

OCTOBER 2023

Wally Sunday's Aeroworks 35% "Sport Cub" S2

***Model of
The Month
Winner!***



**STICK & RUDDER MEETING MINUTES CERTIFICATES /AWARDS
100 MISSION ROLL CALL TOYS FOR TOTS AMA IN ACTION
2024 ELECTION BALLOT LIPO SAFETY**



Stick and Rudder

It's always nice to share good news and we have some great news! Our FRIA has been approved for our flying field in Mulberry. It's taken a lot of work on the part of Steve, to get the application through the various approval cycles. Our application for the park in Homeland has been received and the AMA has come back with questions to clarify that area of operation. We anticipate that application will be approved shortly as well.

As is the case with many clubs in the country, there's been a concern about the future of our flying site. The pressure of property development, commercial, industrial and the sprawl of civilization has caused countless clubs to be faced with finding new fields. I'm happy to announce that we've been making some progress. As a contingency for the future, a location has been offered to us, that will require quite a bit of work. This is not something that would be immediately available and will take some time and effort. This also does not mean that this is the end of our quest to find a location that each of our club members would see as being an ideal location. As you can imagine, the job of packing up and moving to develop a new site is somewhat daunting. At present we intend to stay in this location that we know and love so well, for as long as possible.

It is IRCC renewal time, Steve is collecting dues for 2024 and has an announcement here in the newsletter. If you know of any model airplane hobbyists, perhaps former club members, that may have drifted off but may still be interested. Please reach out to them and remind them that the rest of this year and all of next, can be had for the regular annual dues cost.

I am looking forward to the Toys for Tots fly-in and Swap meet the first weekend in December. If you've got gear in your shop that you want to sell or trade, you might consider bringing it out. If you're looking for a new project, bring some cash. Above all Please remember to bring a toy an airplane to fly and an eagerness to have some fun and hopefully meet some new folks.

Also Please remember the December meeting will be held on the 9th.

December 10th, is the date of the End of the Year Banquet! To be held at Kc's Artisan Pizza, 6645 S Florida Ave, Lakeland. The menu will include House and Ceasar salad, Beef, Chicken, Rice, Pasta, Bread, Pizzas, Cheese Cake and fountain drinks. The cost is \$34.99/person, we need to sign up and pay in advance. This is where we will be awarding the Model of the Year.

David DeWitt has replenished the yellow IRCC T-Shirts. The shirts will be available for purchase at the monthly meeting or whenever you run into him at the field. You may also contact David via email benz425@aol.com to arrange your shirt purchase.

Our 2023 100 missions log is posted and active. Record your flights and encourage others to do the same. There are members that have reached 100 missions, and even more closing in, just remember, it's not a race, it is an accomplishment.

It is great to see everyone enjoying the hobby. Get on out to the field, bring an airplane to fly or a project for "show and tell". Grab a coffee on the way, pick a comfortable chair and share a tale or two (hanger flying). If you're feeling good, get a flight in and log it on the board. If you're feeling grumpy, get 2 flights in.

We are hobbyists who dream, design, build, and fly model aircraft of all sizes for fun and competition. We do this because we enjoy the company of fellow enthusiasts, we love flight, and we want to see participation in our hobby grow.

Continuous Information Update:

The 100 RC Missions Over Florida is alive and well for the 5th consecutive year! The 100 Missions flight log is posted in the case at center of the main pavilion. 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.

If you notice anything broken or destroyed at the IRCC facility, please let Bill Pawl know about it and set the item aside, out of the way so that we may dispose of it properly.

If you're interested in joining the Grass cutting crew and you can spare some time to join the crew, it would certainly be appreciated to give those who are currently on the crew some welcomed relief as it takes a few hours to cut the field so that all of our members can fly safely on our well-manicured field and runways! Bill Pawl will coordinate any training needed to operate the equipment. Please contact Bill Pawl via email at proppusher64@yahoo.com to join the crew!

The IRCC is still open for RC flying operations! We are on a month-to-month lease (as we have been for the last 30 years) with Badcock and they have indicated that they have no plans for utilization of the land we fly on in the next few years.

As a reminder, please do not fly over our northern boundary, which is the Se7en 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.

Get out to the field, introduce yourself to someone you don't know, make a new friend, when landing, keep your wings level with the horizon and main gears first as gently as you can!
See you at the field!

Sincerely,
Kevin Pazda
Imperial R/C Club President -2023



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by the Imperial Radio Control
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IRCC MEETING MINUTES

Saturday October 7th, 2023

Recorded by Will Reding

President Kevin Pazda called the meeting to order with the pledge of allegiance at 10:00 A.M. sharp!

New Members and Guests: Please welcome new member Chuck Thompson.

Awards & Certificates: Jeff Hughes received his Model of The Month Certificate for his L-39 entry for September. Jr. member – Preston Valk received his Solo Flight Certificate.

Minutes: Motion to accept the September minutes as posted in the newsletter. Seconded and passed.

Treasurers Report: (Steve Jaworski) Steve reported that all bills are paid the rent is all paid and explained the impact of the Florida jets and Top Gun events no longer being held. Additional discussion on income from dues and fundraisers versus rent costs and field maintenance expenditures took place.

Membership Report: Our membership is 99 full members with 6 of these being Jr. members.

Field Maintenance Report: Nothing to report all equipment seems to be operating to specification.

Safety Report: No safety issues to report.

Instructor Report: Jeff reported that Preston Valk had soloed, two possible new members maybe joining us.

Club Newsletter / Website: David Raff reminded us that this will be the last year he will be editing the newsletter. Looking for a volunteer to contribute to that area. Ron reported that the website is running fine, no issues.

New Field Search: No updates at this time.

Old Business: FRIA Update and remote ID deadline. The date for enforcement of remote identification has been delayed by six months. Our application has been reviewed by the FAA and is in the review stage. We anticipate approval any day now.

Fire Ant Control – Every member is responsible for Fire Ant Control

Trash Collection - No issues everyone's been doing a good job of keeping the place picked up.

IRCC MEETING MINUTES (Continued)

New Business: November meeting – conflict on the 4th, the 11th is veterans day. The November meeting will be moved to the 11th.

December meeting moved to the 9th because of the TFT fun fly.

Small school show, Thursday, October 12th 4:30 - 6:30 Winston Academy of Engineering in Lakeland

Club Election time – Nominations being accepted. Kevin shall stay on as president and serves at the pleasure of the club. The position of vice president is available. The hopes are that members that have not previously served in a leadership role may contribute to the club operations.

It was announced that Richard Glazer had passed away, members attended a celebration of life in his honor. The club will send a card of condolence.

Future Events: *Toys For Tots Fun Fly* - First weekend in December. A flyer has been created for the event and be is being offered to neighboring clubs to try to encourage participation between clubs. It was suggested to post the flyer at Graves RC and Hobbytown for any upcoming events.

End of the year Banquet - Jerry was absent today but additional information to follow.

Over and above Nominations: It was a quiet month – no nominees.

Model of The Month: Wally Sundy had a 35% Aeroworks piper cub with a DA50 a pretty airplane that is easy to fly.

SPECIAL ANNOUNCEMENT: David DeWitt discussed the food for the Toys for Tots event in December. Volunteers will be needed to help cook and serve hamburgers and hot dogs etcetera. Anyone interested - please contact David.

50/50 Drawing: Chris Trumble won again!

Motion to close meeting - seconded and approved. The meeting was adjourned.

AWARDS & CERTIFICATES

(Below Left) Jeff Hughes is pictured receiving his Model of The Month Certificate for September.

(Below Right) Jeff then turned around and presented his latest student Preston Valk with his Solo Flight Certificate. Congratulations to both!





ROLL CALL!

***Drew Powell
Jerry McGhee
Jeff Hughes
Glenn Griffith
Todd Beatty
Steve Franc
Roger Griffith***

2024 Membership Dues

Where does the time go?

Next thing you know, it'll be IRCC membership renewal time and it's never at a convenient time of the year.

The life blood of the club is the revenue derived from our members' annual dues payments. It pays the rent and keeps the field an open and attractive place to fly.

The Clubs Officers and Directors are determined to do what's necessary to retain and expand its membership and will provide assistance to make that easier.

Membership renewal for 2024 is now open.

Any full member looking at a \$200 renewal may feel free to break that up into two payments with a \$100 payment due by the end of 2023.

The only caveat is that the full balance of dues needs to be paid in full by the end of March 2024 in order to retain your flying privileges.

Your full membership privileges will be recognized on Jan 1st under this plan.

If you choose this plan, all we ask is that you make a notation along with your first payment or email me at sajetguy@aol.com advising me that you are using this dues payment plan.

Thank you!
Steve J, Treasurer

IRCC Annual Toys for Tots Toy Drive!

For roughly the past 11 years or so, the Imperial Radio Control Club has sponsored and assisted in the collection of toys for the Polk County "Toys for Tots" organization. Events have been held each year to help bolster this collection, sometimes just within the club with Family Day events and others where we have had larger sponsors such as Pilot Ryan and Motion R/C taking the lead.

During the September meeting it was discussed and approved to make this year's event an "open" fun-fly and swap meet that anyone and everyone could take part in whether they are members of another club or friends or relatives that want to come out and watch. We are even going to give "night-flying" a shot for anyone that wants to give it a try on Friday and Saturday evening!

Below is the flyer that is being sent out to all area clubs to promote the event. David DeWitt has applied for an AMA sanction for these dates as well. If anyone is a member of another club and they would like a copy of this to place at the other field, let me know and I will be happy to provide!

We will be cooking hamburgers & hot dogs and will have cold drinks available for sale so a little assistance from some of the membership will be needed and greatly appreciated.



Fun Fly & Swap Meet!

Saturday & Sunday December 2nd & 3rd, 2023

Need to make some room or add to your hanger?
Looking To Buy - Sell or Trade???

Come and join us for two days of
"Open Flying" & Swap Meet Fun!

BRING YOUR OWN TABLE & CHAIRS



NIGHT FLYING!

Food & Drinks Available!

Our Flying Field is located in Mulberry, Florida - 2 miles East of
State Road 37 on Highway 60 East.
GPS Coordinates: 27.8944, -81.944683
Event CD - David DeWitt (email: benz425@aol.com)
Overnight "DRY" Camping Allowed - No Hook-up!

Set-Up / Landing Fee - \$20.00

**OR \$ 10.00 AND AN
UNWRAPPED TOY FOR
A GIRL OR BOY!**



Registration Opens 2:00 P.M. Friday Dec. 1st
Saturday and Sunday - 8:00 A.M.

**SORRY!
NO TURBINES**

AMA REQUIRED TO FLY!





DAVID,

As AMA anticipated, the FAA has announced they are extending the Remote ID enforcement date by six months. Operators now have until March 16, 2024 before they will have to comply with the rule. This extension provides the FAA more time to approve FRIA applications and manufacturers the time for production of broadcast modules. For the FAA's full statement on the extension, [click here](#).

To remain current with the most recent government-related news, regularly [visit the AMA Government Affairs blog](#).

Sincerely,

AMA Government Affairs Team



ELECTIONS 2024

Below is the official rule of the IRCC governing Election By Ballot

B. The election of officers and directors shall be held at the regular club meeting in November. The total ballot count shall include all mail-in ballots received at the clubs mailing address by the meeting date, as well as ballots cast at the meeting - only one vote per member. A majority of the votes cast is required for election. If no candidate receives a majority, a run-off election between the two candidates receiving the most votes shall be held at the December meeting.

Term of Office

The President, Vice President, Secretary and Treasurer are to be elected for a one (1) year term by the club membership. The Directors are to be elected for a three (3) year term by the club membership.

Officers shall serve from the first (1st) day of January to the last day of December through the calendar year following their election.

A Director shall serve from the first (1st) day of January to the last day of December for three (3) consecutive years following election. Directors may not succeed themselves, or fill unexpired terms until a period of one year has passed after serving as a director.

The Nominees for each of the positions for Club Officer's and the "Open" Director seat are listed on the ballot to the right.

Please check the box next to your choice and place in the Ballot Box at the field at the November meeting.

**Mail-In Ballots must be received at the clubs
P.O. Box 6662 Lakeland, FL 33807 no later
than Wednesday November 8th 2024 to be
counted.**



2024 CLUB OFFICERS ELECTION BALLOT

PRESIDENT

Kevin Pazda
(Incumbent)

☐

VICE PRESIDENT

David DeWitt
(Incumbent)

☐

SECRETARY

Will Reding
(Nominee)

☐

TREASURER

Steve Jaworski
(Incumbent)

☐

BOARD OF DIRECTORS

Bill Littlefield - 3rd Year

Jerry McGhee - 2nd Year

1st Year - VACANT

Nominees - (Write-in)

☐☐

Members Name: _____

AMA # _____

The following article was sent in by John Burdin.

How to Safely Dispose LiPo Batteries for FPV Drones

25th February 2023



Lithium Polymer (LiPo) batteries are commonly used in drones, but they can become hazardous if not handled properly. The inevitable question for RC hobbyists is how to get rid of old and damaged LiPo safely. Disposing of LiPo batteries is a delicate process that requires caution to prevent fires or explosions. Here's what you need to know to safely dispose of LiPo batteries.

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1. When To Dispose LiPo Batteries?

2. Methods of LiPo Disposal

2.1. LiPo Charger

2.2. Light Bulb

2.3. Power Resistors

2.4. Other Methods

2.5. Salt Water

2.6. Physically Destroying Battery

3. My Way

When To Dispose LiPo Batteries?

LiPo batteries used in FPV drones should be disposed of when they start to show signs of damage or wear and tear, or if they are no longer holding a charge. It's important to dispose of them safely and responsibly to prevent any potential safety hazards or environmental harm. It's also recommended to regularly inspect and monitor your liPo batteries for any signs of swelling, punctures, or leaks, and to store them properly when not in use.

This article explains [how to determine whether a LiPo battery is old enough to retire.](#)

Methods of LiPo Disposal

To summarize, when disposing of LiPo batteries, it's important to discharge them completely to reduce the risk of fire. This means bringing the voltage down to 0 volt. Once discharged, take the battery to a local recycling facility for proper disposal.

Here are several ways you can discharge the battery.

LiPo Charger

Your LiPo charger might be capable of discharging your battery though extremely slowly. However, many chargers are not designed for discharging LiPo completely and have a 3V cut-off voltage for safety. If this is the case, you might want to use other methods outlined below. One example is the [SkyRC BD350](#).

Light Bulb

Discharging LiPo batteries with a light bulb is an affordable and speedy option.

In this tutorial I will show you [how to build a halogen bulb LiPo discharger](#).

Avoid LED bulbs due to their forward voltage, which means they would stop discharging below certain level and there will be a small amount of charge left in the battery. LED are also more energy efficient which is not a desirable quality as a discharger. Halogen bulbs are a great choice.

Power Resistors

Resistive loads, like radial ceramic resistors, are great options too. For 2S or 3S LiPo batteries, consider using 150ohm 2W resistors. 5W 47ohm for 4S.

[See this tutorial on how to build a resistor LiPo discharger](#).

Other Methods

I covered [many good ways to discharge your batteries ready for disposal in this article](#), including dedicated battery discharger, and high power resistors.

Salt Water

Discharging LiPo batteries using salty water is not the most recommended method as it is slow and ineffective. Salt water discharges the battery slowly over time, but it might not completely discharge the battery. Corrosion can also take place, where the exposed metal of the connectors/wires will have a layer of insulator building up in salt water. This might eventually stop the discharging entirely. However, many people still favour using salt water over other methods because it's relatively safer as the battery is entirely immersed in water.

To discharge LiPo batteries with salty water:

1. Get a plastic container and fill it with cold water
2. mix it with salt until it dissolves completely. Use about 30g of salt per litre of water.
3. Put the battery in the salty water, and leave it somewhere fireproof for two weeks or longer, depending on the original charge.
4. Finally, wrap the battery with paper, and dispose of it at an authorized battery disposal facility.

Physically Destroying Battery

I've seen people do this on Youtube, the physically destroying method is not recommended and considered the most dangerous. We strongly advise against using a gun, a nail, a hammer, or a brick to puncture, shoot, or break the battery. Not only is this method fire hazardous, but the resulting smoke is harmful to inhale. It is better to use one of the other methods described in this guide to safely dispose of your LiPo batteries.

My Way

I normally use a halogen light bulbs to completely discharge the battery first.

Check the voltage to make sure there's is indeed no charge left. Voltage should be close to 0V. Note that most battery checkers don't work well when voltage drops below 3V per cell, and will report "no cell present".

Therefore it's best to use a multimeter in this case, [buy one here if you don't have one already](#).

Then cut the connectors off, strip the wires and twist the discharge leads together to ensure there is no charge left in the pack (+ and -). You might get a spark when the wires first touch, the pack might even get warm, but it shouldn't be an issue if the battery is empty. If you didn't discharge it completely first as I mentioned, then you could get an overheat battery or even a fire if you short the positive and negative wires.

It only takes under 30 mins to dispose a LiPo which is far quicker than dipping the battery in salt water for weeks.



Don't forget to save the XT60 and balance connectors for future use! If you have damages on a good pack **you can use them for replacement.**

Edit History

- Oct 2014 – Article created
- Jul 2016 – Updated
- Jul 2018 – Updated "Other discharging methods"
- Feb 2023 – Article revised

By: Oscar Lang

To view the original article – click on the link: <https://oscarliang.com/dispose-lipo-battery-safely/>

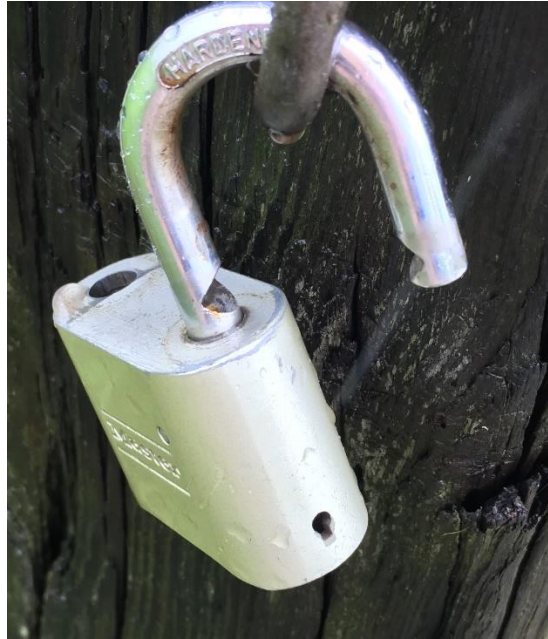
A new airplane has been developed that cannot crash. Made from rubber polymers, it will just bounce. The craft was invented by Boeing, Boeing, Boeing.

Thanks Jim G!

The IRCC Combination has been changed for 2023!

Please make sure your AMA membership is current

Pay your 2023 IRCC dues to get the combination.



One of the “dumpsters” (sorry, couldn’t resist) has been removed! The cost to keep this with the recent change of service providers and increase in the monthly bill made it necessary to bring up at the February meeting to discontinue this service and have the dumpster removed. This was discussed, voted on and approved by members present. The trash cans that were in the main pavilion have also been removed. Be sure to take whatever trash you may have home with you and dispose of there. Thank you all in advance for your cooperation!

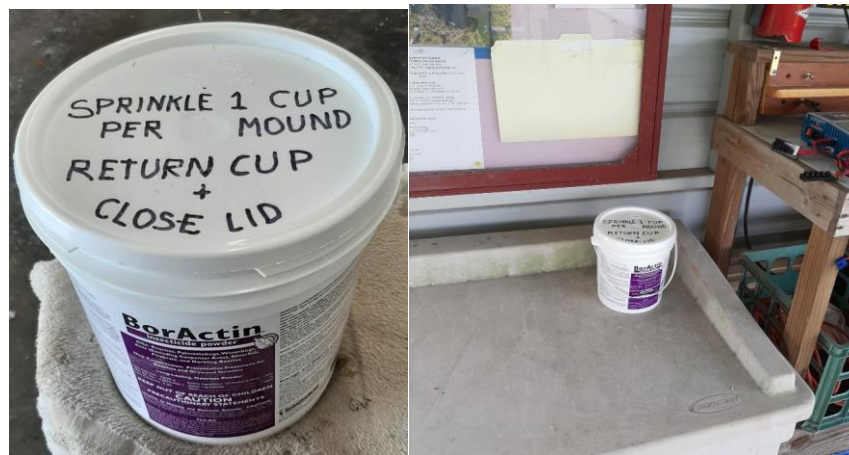




IRCC FIRE ANT CONTROL

If you see a mound, kill the mound!

The IRCC Fire Ants are in full bloom. If you see a mound, kill the mound! **It is up to every member to help control these fire ants. Do not wait for the next guy to take care of it. If you see it, you are responsible for it.** Go to the West end of the main shelter, open the fire ant killer bucket, scoop out one cup, sprinkle the contents in the cup on to the target mound and return the cup to the container, then seal the lid.





TECHNOLOGY

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us1@technologyhobbiesinc.com

NEXT IRCC MEETING



SATURDAY
November 11th, 2023
10:00 A.M.

AMERICA'S AIRFIELD®

www.imperialrcclub.com



Newsletter Articles Welcome

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

raff7113@msn.com



Guests and Non-Flying
IRCC Members

IRCC Flying Members and
Flying Guests with Planes

IRCC
Member
Flying with
Handicap
placard

IRCC Flying Members and
Flying Guests with Planes

Guests and Non-
Flying IRCC Members

Imperial RC Club of
Mulberry (Model...)

**NO PARKING AREA
TRAILER SWING AREA**

**IRCC
DESIGNATED PARKING
AREAS**

3 Designated spots for IRCC members with handicap placards and they intend to fly during their visit to the IRCC. Non-flying park in yellow spots

Parking for any IRCC member or guest with a plane and they will be flying during their visit to the IRCC

Art Magarino's Parking Spot

Designated 8 end parking spots for all non-flying guests and members of the IRCC who did not bring a plane or intend to fly during their visit.

No parking area. This space is needed for IRCC members and flying guests who bring trailers to have enough swing space to properly back into a flying parking spot.