It's Time for Some

Propwash

JANUARY 2023



www.ImperialRCClub.com



Model The

Month Winner!

Art Duffey's Seagull Models Cessna "SKYMASTER"

PRESIDENTS POINTS MEETING MINUTES CERTIFICATES /AWARDS 100 MISSION ROLL CALL S.A.D. CHARGING LIPOS **BEST PRACTICES** COMING EVENTS

LOOHS



Stick and Rudder

My fellow members,

It seems that Florida winter has come, I think it was mainly last week. Looking at the long-range forecast for the upcoming E-jet fest, expert meteorologists are predicting clear sky with lows of 50s and highs of 70s.

As a 3 month lookahead for upcoming club events:

- 1. Florida E-Jet Fest International February 2 5, 2023 CD Jerry McGhee
- 2. Florida Jets March 15 18, 2023 POC David DeWitt
- 3. Planes, Trains and Automobiles April 22, 2023 POC David Raff
- 4. Top Gun April 26 30, 2023 POC David Dewitt

Bob Curry had some great advice on Li-Po battery safety at the meeting. There is a lot of energy in that little package.

Our 2023 100 missions log is posted and active. In addition to posting the log, Jerry has the design for the 2023 patches underway. As of the third week of January, at least one active member is more than halfway to the 100 number.

Progress on goals:

For the club to prosper and grow. – There has been a dozen "welcome back" and new members so far this year. There may be even more junior members that I have not counted. This is terrific. Promoting our hobby is important for the future.

A "forever home" – As you all may imagine; this is a process. The challenge presently is competing with solar farms and development projects, for open space. We are always looking for any leads or ideas on this endeavor. Please pass any leads on to Jim Giallombardo

Electrification – Gary Snyder and the team of electrical specialists have been working on the systems to come up with a plan. The first part was testing and evaluating the existing systems to establish what is functioning and viable.

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. 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 need to organize volunteers to perform the mowing, edging, weed eating, ant killing, storm preparation, event setup, event tear-down, trash hauling... Yep, quite a list, but it's not all done at once and not every week, and not necessarily by a single person, fortunately.

Bill Pawl will coordinate any training needed to operate the equipment.

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! 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.

David DeWitt has new yellow IRCC T-Shirts. The shirts will be available for purchase at the monthly meeting. Please contact David via email benz425@aol.com to arrange your shirt purchase.

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, make a new 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,

Kevin Pazda Imperial R/C Club President -2023



Propwash is published monthly by the **Imperial Radio Control Club Inc.**

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IRCC MEETING MINUTES

Saturday January 7th, 2023 Recorded by Club Secretary: Luke Reither

Club president Kevin Pazda called the meeting to order with the pledge of allegiance at approx. 10:00 Am. We had 33 members present on this warm beautiful Florida day.

New Members and Guests: We had one guest and no new members. Larry Odom came out saying he was an old member of the club back when the field was the IRCC glider field.

Awards and Certificates:

- A. George Nauck Received an award for the past two years of being the club secretary.
- B. Bill Pawl in recognition of 5 years of "hard labor" for all his supervision of maintaining the field and equipment.
- C. Tommy Nolin was not present but got an award for his effort as director from the past 3 years.
- D. Bob Curry in recognition of Model of The Year for his *Tiger Moth* built from plans.
- E. Dennis Peterson was not present to receive a plaque for Model of The Year for 2022 for his Fokker dr-1.
- F. Buddy Shackleford with old Stinson Voyager won for December, we didn't have an award to give him this month- but will!

100 Flight Patches: New Pilot log is in place to help log hours, No New awards for 100 flight patches

Minutes: Motion was made, seconded and unanimously approved to accept the December Meeting Minutes to official record as published in the club newsletter – **PROPWASH**.

Treasurers Report: Treasure Steve Jaworski, We ended the year in the black, his concern is the money coming in from dues to pay for bills. We are doing okay, but we need to watch expenses. All bills paid, money in the bank. Dues are on full display with the new numbers, it will all depend on how events go.

Membership Report: Membership in January currently was 52; it will be updated by next month. We had new members sign up today. We need to keep up with dues.

Field and Maintenance Report: Bill Pawl gave field maintenance. He stated that the equipment is doing okay right now, he just bought new tires for the mower it was \$82. Come mowing season we got to find someone to help sharpen blades. Dave is giving it up because of noise complaints. It takes a lot of time and it's a pain. He mows once a week, lucky to get 2 mows before sharpening is required. 3 blades per set.

IRCC MEETING MINUTES (Continued)

Field and Maintenance Report (Cont.): We need a 4 ½ inch angle grinder to sharpen them. Kevin was stating we need a roster to assemble volunteers and we would need to arrange for training to operate equipment safely. The field needs to be cut every week or its hard on the mower.

Safety Report: Bob Curry safety officer reports everyone out here, visitors may not know the rules for the events. He stated he wanted everyone to be informed so everyone can be safe. He reported that one concern is li-po batteries, he has an ammo case, and they are perfect for storing batteries. He recommends everyone to get one for safety. Jerry states: Li-po battery fires are the number one pay out with AMA. Fire safe pouches are a good way to keep batteries safe. Bob will write an article for the newsletter for battery safety.

Instructors Report: Jeff Hughes Reports that the trainer is 85% completed. It may need a motor for it but he isn't sure yet. He is an advocate for promoting the hobby to children, it's hard to get kids out here for only a dollar. He said the day we get rid of the dollar, the day he quits as instructor. He got a new kid coming out today.

Club Newsletter: David Raff states articles and pictures are doing well; he wants something in the newsletter to see the faces with the name of our members. Anything you want to see in the newsletter let him know and he will get it out there.

Website: Ron McKie says the website is up and running, He needs new headshots for the officers. The officers will also get a new email address. Old officers need to transition the emails to the new officers.

New Field Search Committee: Jim is not here today however, Kevin reports that he was in contact with SWFWMD and Polk County Parks & Rec as well as other companies, waiting for response from them. If anyone has leads, he wants members to let us know. He says he is anxious to find a field.

Old Business:

- A. Steve Jaworski says If paying dues on Paypal you need to add 3% to cover the fees.
- B. Please make sure your AMA is renewed and 2023 dues are paid.
- C. Fire ant control if you see a mound kill the mound. The ant killer is about \(^3\)4 full.
- D. Trash Collection please take your trash home.
- E. Sign needs to be repaired, but it can't be repaired. Steve says the frame is good, but the boards need to come down. Suggestion: getting a 4x8 PVC vinyl Steve Jaworski knows a guy to get it done. He is getting a price on it currently. The panel would be about \$200 but the wrap he is not sure of, but he will know by Tuesday and let us know. He suspects it might be around 5-600 dollars. Take the boards down and leave the frame there.

Motion: Motion was made and seconded and voted on, 32 members were in favor. Motion was for up to \$1000 to cover the cost and installation of a new sign, this has been approved. Appended Motion to include the demolition and disposal of the old sign was approved. Both Motions carried and were approved.

New Business:

- A. **Motion**: Moving the February meeting to February 11 due to the event. Motion was seconded and voted on and approved.
- B. **Charging Stations**: Gary Snyder & Jack Buie have looked at the charging stations and they replaced a battery. 4 panels were bad and taken down. Kevin states the charging station currently might not be suitable for the number of members using the system. We are counting on available daylight and trying to understand the needs for it. Please charge your batteries before heading to the field to reduce the burden on the solar systems.

Motion: <u>Motion was made to table the charging station discussion until February. It was seconded and voted on. Motion carried and approved to table it until the February meeting.</u>

Future Events:

- A. Florida E-Jet Fest February 2-5, 2023 Jerry needs help with registration, he is down to 3 awards from 7 and Bob is the static guy. We need flying one as well for the best jet. This starts on a Thursday, and they need to put banners up and make the registration table. Reminder that Tents rental needs to include, PayPal fees and tax. No information on tent cost yet. Parking spots and tables reserved Bogo deal and that is how it is on the registration. No cost to members to come in and fly. Vendor and FMS will provide raffle prizes which will make up for the cost of members. It is \$50 for a parking spot and a table.
- B. Train Planes and Automobiles David Raff confirmed this will be held on Saturday April 22, 2023, and is a one-day event. He needs people to come and show up and talk to people about the hobby. David will have more info soon.

Over & Above Nominations: Jeff Hughes nominates Jerry, Jack Ian and Bill, we had a second and the motion carries for the work done on the charging stations.

Model of the Month: Art Duffy displayed a unique Cessna 327 O-2 Skymaster with a pull and push power system from Seagull Models.

Dan Hudson and Chris Trumble have a Sport Jet that has a 6s 120-amp esc. Very small but runs on 2kw. It is 70mm.

Art Duffy won model of the month.

SAD Patch Award: Luke Riether was nominated for 3 crashes in a week.

Art Duncan was also nominated for 2 planes that crashed this week, he crashed a Hanger 9 Corsair as he overshot the runway, and it died way out in the wilderness.

Luke Riether won the sad demolition award for crashes this week.

50/50: Bob Doherty won and donated his winnings of \$80 towards the sign being replaced.

Motion to Close: Motion to close meeting at 11:27 am, motion seconded and approved. Meeting was adjourned.

AWARDS & CERTIFICATES



George Nauck was presented with a token of appreciation during the January meeting for his two years as the club's secretary

As was Bill Pawl for his many years and tireless efforts as the Field Maintenance Officer.

Bill started in this position in January of 2018 and has worked non-stop keeping the field and the equipment in tiptop shape.





Above is the 2022 winner of the <u>Model of The Year</u> trophy - Bob Curry! Bob beat out 11 other contestants with his "built from plans" Tiger Moth Biplane. He will keep the trophy for the entire year and then relinquish to the 2023 winner. Congratulations Bob!



Even after loosing three airplanes in a month, Luke Reither was still able to smile after receiving the nomination and ultimately the recipient of this months Society of Aircraft Demolishers otherwise know as the S.A.D Award for January.



ROLL GALL

Jerry McGhee Jeff Hughes **Art Duffy Buddy Shackleford** Glenn Griffith **Drew Powell Matt Hyatt** Bill Pawl Ian Clark Wally Sundey Roger Griffith **Art Duncan Daniel Bensmiller Todd Beatty** Tommy Nolan Will Reding



IRCC January 2023 Award Winner Luke Reither

The January 2023 Society of Aircraft Demolishers "Aircraftus Fragmentum" was called to order by the President of the IRCC. There were two "multi-event" nominations on the floor.

The first was a squadron of Corsairs under the command of Art Duncan. Art has been practicing with his lesser loved birds in preparation for the maiden flight of a Corsair powered by a gas drinking radial engine. Two birds were lost in action, the demise of at least one of the Corsairs was due to low fuel in the magic pixie battery tank.

JANUARY WAS A TOUGH MONTH FOR CORSAIRS!



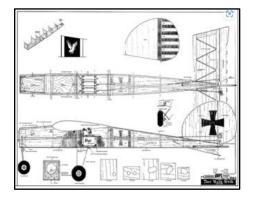


Not to be outdone, Luke Riether confessed that he had also crashed a decades old Corsair... in Oklahoma. Luke then travelled back to our home field and proceeded to loose an Ugly Stik, that seemed to want to join a tribe of likeminded birds in the forbidden zone.

Finally, Luke came prepared with an FMS Ranger. The Ranger was doing a fine job of obeying commands, until evidently there was a command to jettison the starboard wing. We still don't know if this was to reduce drag in hopes of achieving that illusive sonic boom, or something else. All we knew at the time was that the aircraft failed to return to base. Reliable witnesses reported that the aircraft was divided mid-air out above the forbidden zone, but nobody saw the crash. In fact, at the time of the Societies meeting, there was no corpus delicti in either case.

Based on a great story and the hopes of the birds returning before summertime, Luke was awarded this month's SAD patch.

Follow-up: A couple weeks after the event, the Ranger was released from the bird sanctuary. It looks like doctoring, physical therapy and recovery time "up North" paid off as the bird looks better afterwards than some of my successful "landings"



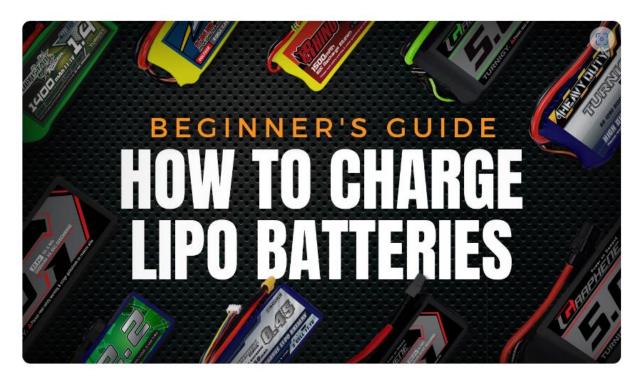
Secret Plans from Project "Ugly Stik"



Ranger after being released

During the January meeting, there was much discussion pertaining to LIPO battery safety, especially when handling or charging these high energy packages. The following is an article from a blog on Hobbyking.com which offers a good insight on how to properly charge your batteries especially for those that are new to the hobby or this technology.

HOW TO CHARGE LIPO BATTERIES: A BEGINNER'S GUIDE



Lithium Polymer (LiPo) batteries have undeniably surpassed all their predecessors. However, they do come with one drawback: safety. As they can catch fire or even explode, extra care and discipline are needed when dealing with LiPos. When used responsibly, the risk and magnitude of an accident are greatly reduced.

Here is a simple guide on how to safely charge your LiPos.

<u>Understanding The Numbers And Letters On Your LiPo</u>

The most important yet overlooked prerequisite when dealing with LiPos is the ability to read and comprehend them. There are ultimately four ratings to recognize: the Capacity (mAh), the Voltage (V), the Cell Count (S), and the Discharge Rate (C).

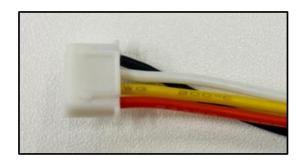
If you already understand what each of the above entails, then you're already ahead of the pack. If you don't, please read our blog on Understanding the Numbers and Letters on Your LiPo before going anywhere near a charger.

Charging your LiPos without first understanding them is just asking for trouble.

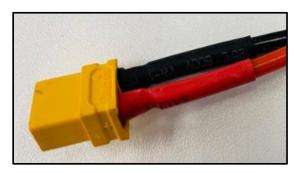
Distinguishing The Two Connectors

All LiPos (unless they are single-celled) will come with two connectors: the balance connector, and the battery connector.

The balance connector is used for charging and monitoring your battery



The charge connector is used for charging and discharging your battery



Choosing The Correct Charger

Most RC chargers on the market today will have the capability to charge different types of batteries. Because different types of batteries have different chemical properties and charging needs, using an incompatible charger can ultimately lead to an accident.

When looking for a charger, make sure to thoroughly check the "Compatible Batteries" section. For this guide, we will be using the Turnigy Reaktor D6 Pro which works with 11 types of batteries.

Determining Your Charging Parameters

When it comes to actually charging your LiPos, there are only three variables that you need to configure. These three variables are the Battery Type, the Cell Voltage (V), and the Current Setting (A).

Battery Type is self-explanatory, just choose the LiPo option on your charger. Cell Voltage may differ depending on the type of LiPo you have and should generally be set at the max voltage of your individual cell. For regular LiPos set this at 4.2V, for LiFes, at 3.6V, and for LiHV, at 4.35.

The Current Setting can be a little tricky as this determines how quickly you're charging your battery. If you exceed the advised charge rate, your LiPo may overheat and catch fire. We typically recommend beginners charge their LiPos at 1C. 1C just means to charge your battery at 1A for every 1000 mAh. So, for a 3000 mAh battery, you would charge at 3A, for a 5000 mAh battery, you would charge at 5A.

Taking a 2700mAh 3S 30C LiPo as an example, here is how we would set the parameters:

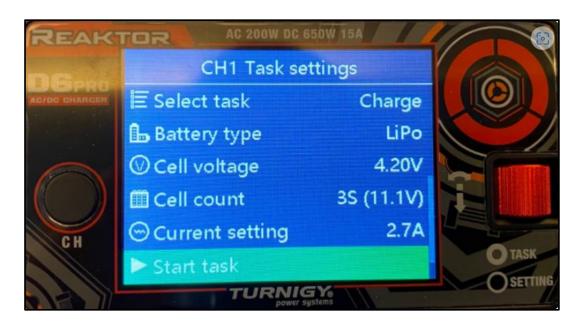
- Battery Type: LiPo

- Cell Voltage: 4.2

- Current Setting: 2.7A

Time To Get Charging

Once you have determined the correct charging parameter for your battery, map them out on your charger.



When everything is set and looks correct, plug your connectors into their respective inputs.



Before you start charging, remember to place your LiPo in a LiPo Safe bag to safeguard and reduce the risk of an accident.



Once everything is in place, just hit the "Start" button. Never leave a charging battery unattended. If you need to step out for a bit, stop the charger and resume when you are back. Once your battery is fully charged, the Turnigy Reaktor D6 Pro will signal a notification and stop charging automatically.

Be reminded, never leave your LiPo batteries sitting around on a full charge for more than 2 to 3 days. If you are not planning to use your LiPos anytime soon, we highly recommend you to discharge your batteries down to 3.6V - 3.8V for storage until you are ready to use the battery again.

Keep in mind that this is simply a starting guideline and is not intended to be a replacement for taking the time to fully understand your batteries and your charging system.

In addition, there are some very good tips that can be found on other RC sites and manufacturer websites.

If you have any doubts about the volatility of these batteries if not properly handled, take a couple of minutes to check out a few of the videos on YouTube showing what happens if a battery is not charged correctly or monitored during the charging process. Better yet, ask around the club, as a few of our own members have found out first-hand.

Next month we will discuss how to determine if your battery is still safe to use.



SARBYY PIRST

Bob Curry - Safety Coordinator

Best Practices for Electric RC Power systems at home:

- Always read and follow directions for safe operation of your battery charger. Verify that it has the capacity to handle your specific battery size.
- Always read and understand the proper Test/Charging instructions for your specific type of batteries.
- Always charge batteries in an area free of combustibles and in a fireproof container or non-flammable flat surface like a standard ceramic floor tile.
- Always visually monitor batteries during the charging cycle to ensure there are no issues. At the very least, if you must <u>temporarily</u> leave the charging area before charging is complete, listen for charger error alarms and/or set timer checkpoints on your mobile phone.
- Always store all battery packs in a fireproof container and away from any combustibles that may ignite and spread battery fire to your home or garage.
- Never store (or charge) batteries in your car or trailer. (Ask me how I know)
- For safety and to prolong battery life, discharge any fully charged batteries to storage voltage (3.8V) if not used within three days.
- Always quickly dispose of any seriously "Puffed" batteries. That condition is usually
 a result a dangerous internal breakdown of the battery chemistry and is a literal
 "time-bomb" that should be immediately removed from your property and
 disposed. This also true, even if the battery continues to charge and function
 normally. (Trust me, it's ticking, you just can't hear it!)
- A safe, sure and easy way to discharge before disposing any battery is to submerge
 it in a full bucket of water. (I use a plastic bucket) After 24 hours, check with
 battery tester to confirm total discharge to 0 volts.
- Discharged batteries are accepted for disposal at any Home Depot or Lowes store.

Look for a follow up article from Bob in next month's edition –

"Best Practices for Electric Power RC System Safety at The Flying Field"

Here's a little something to think about if you haven't already. For the past 7-10 years or so, we have heard all this talk and experienced mandating of new restrictions from the FAA pertaining to our hobby and the airspace above us. Check out any RC oriented thread, and you will read all kinds of opinions on why this is taking place. While some just think it's the governments way of adding additional controls for "drone" operators (yes, they have even encapsulated our aircraft into that foreboding term), there is a multitude of other opinions, some with some merit and others... well, let's just say some of these people need to find something else to do with their spare time - like go fly an airplane!

Well, here is mine.

Obviously "big business" has a lot to do with it but it's not Amazon delivering packages or Dominos delivering pizzas by drones but PTD's or Personal Transportation Drones. Here is just one of many "flying cars" that you may soon start seeing flying overhead! Hang on to your hats and flash back to that old cartoon with George, his boy Elroy, daughter Judy and Jane his wife! Here is the Jetson One Ultralight Drone!



Say Hello to the Jetson ONE

The Jetson is a formula one racing car for the sky. A beautiful and lightweight design in aluminum and carbon fiber, that is incredibly fun to fly.

It has eight powerful motors, driving an equal amount of propellers. The propulsion system has a massive power output, making flight effortless and fun.



'our mission is to make flight available to everyone,' said peter ternstrom, founder of jetson. 'the jetson ONE is an electric helicopter that you can own and fly. we intend to make everyone a pilot.'

Our unique flight computer makes flying extremely easy. Your left hand controls altitude, while the right controls direction. An intuitive system that makes everyone a pilot in less than five minutes.

The Jetson ONE has a race-car inspired safety cell that protects the pilot, can sustain continuous flight with the loss of one motor, has an auto land function, and multiple safety features to protect the pilot in case of an emergency.



JETSON WEIGHT	86KG / 190LBS
EMPTY WEIGHT	40KG / 88LBS
DIMENSIONS	2480 MM X 1500 MM X 1030 MM
WIDTH WHEN FOLDED	900 MM
FLIGHT TIME	20 MIN (APPROX)
TOP LEVEL FLIGHT SPEED	SOFTWARE LIMITED TO 102KM/H (63MPH)
MAXIMUM PILOT WEIGHT	95KG / 210LBS
SERVICE CEILING	ABOVE 1500 FEET AGL
FLIGHT CONTROLS	3 AXIS JOYSTICK, THROTTLE LEVER
BATTERY TYPE	HIGH DISCHARGE LITHIUM-ION
MAX TOTAL POWER OUTPUT	88 KW
CHASSIS TYPE	ALL-ALUMINIUM SPACE AIRFRAME
MOTOR TYPE	HIGH POWER OUTPUT ELECTRIC BRUSHLESS OUTRUNNER



The website has stated that all of the 2022 & 2023 production model have already been sold!

Click on the link below for more information:

Home | Jetson - Personal Electric Aerial Vehicle (jetsonaero.com)

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.





COMING EVENTS!



11th Annual



Presented by:



April 22nd, 2023 - 10AM - 3PM

https://www.facebook.com/PlanesTrainsAutos

Cape Coral R/Sea Hawks



1030 Northwest 28th St, Cape Coral, FL. 33993

Pilot Information 2023

SANCTION # 14015

GATHERING OF THE GIANTS

March 18th & 19th

Saturday 10AM - 4-PM Sunday 9AM - 4PM

AIRCRAFT MINIMUM 60" BI-PLANE & 78" MONO-PLANE
JETS - 140" TOTAL LENGTH & WINGSPAN
No Pilot Registration Fee

AMA SAFETY DECLARATION REQUIRED



CD is Steve Reed - E-mail - SMR4970@hotmail.com Picnic Tables Available . Bring Lawn Chairs Open Flying after 3:00PM

FOOD AVAILABLE ON SITE

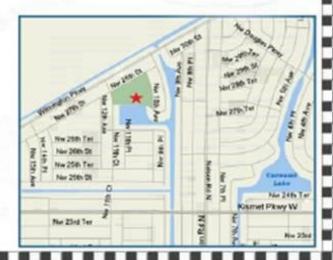
CAMPING AVAILABLE ON SITE - No Services

PORTA POTTIES ON SITE

NOON TIME FLIGHT DEMONSTRATIONS



rseahawks.org









Newsletter Articles Welcome

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

raff7113@msn.com

