



2022 - Volume XVI

In The Box

The Official Newsletter of The International Miniature Aerobatic Club



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Letter from the Editor

Rich Whitlow

Time marches on! We are starting a new year for IMAC. We still have our challenges, but we have a lot going on.

If you have been watching the Board of Director minutes, you see that we have a healthy budget, have been working on a new Website, integrated the Life Member numbers into score uploads, looking at Freestyle expansion options, 2024 Worlds Scheduling in addition to all of the other club business. That is exciting to me.

I have 3 more editions of the InTheBox newsletter before I retire and David Garcia takes over. It's been a fun ride to develop the newsletter and I know it will be in good hands going forward.

This gives me the opportunity to try new things. I will still travel as much as I can and take lots of pictures, but I have also started the **RC Aerobatics Podcast**. This gives me a new avenue to try and promote the sport on a more generic level. I am interviewing people inside all of the disciplines of RC Aerobatics. Obviously episode 1 started with IMAC, but we will also include Pattern, F3S and F3P. If new disciplines and groups develop we will include them as well.

This is a new medium for me, so my main challenge is learning all the stuff required to record video and audio so that it looks and sounds ok. I am finding this is no small challenge! But, one I am enjoying.

So, don't forget to subscribe to the RC Aerobatics Podcast on most Podcast Outlets. If you have a favorite and don't see it there, let me know at rcaeropodcast@gmail.com. I will see if I can get it listed there as well. There is also a video version on Youtube. You can find it at <https://www.youtube.com/channel/UC7x6iYEigsctF0CxVNIKL4g>.

Check it out, Like and Subscribe!

See you at the field.

Rich Whitlow
Newsletter Editor
imacinthebox@gmail.com
#IAMIMAC



Letter From The President

Doug Pilcher



From the President: (2022 1st Quarter)

Well, here we are in February of 2022 and some regions have been able to kick off the new season! Here in North Texas (SC) we are however getting some of our coldest weather of the winter currently. But hey, it is Texas so wait 10 mins and we will be back in the 70's and above in no time. But Good for You if you are lucky enough to live in a region and area you have been able to begin the season. But some of us are still in the workshops and garages working on that next IMAC precision build or upgrades to our current. So let the 2022 season continue and find our best pilots around the world! Also remember the Scale Aerobatic NAT'S coming to Muncie on June 28th to find our top US/Canada pilots of 2022! Don't miss it!

CD's and Scorekeepers – REMEMBER to download a NEW copy of Score! as the new 2022 sequences and K's are preloaded in it for you. Please remember that we have available to members a step-by-step instruction series of downloading and prepping Score! 4.25.2 to one's computer and assuring that the latest version of Java is installed correctly as well as the prepping of a contest



folder for your contest. We have linked the Score! training class given March of 2019 to be viewed at any time. These items can be viewed under Downloads/Software and again in a step-by-step procedure. To Check it out, go [HERE!](#) And click on "Software"!

ALSO, and very importantly, please remember the new and Active forums for IMAC are located [HERE!](#) This is where all club business and discussion is happening. We need to get all members and registered users over to the new forums. This does not however integrate with the main website. So, you will need to register on the new forums with your given name so we may verify to the main website. Aliases are unable to be cross referenced in many cases thus the need for proper names. Click highlighted link earlier in this paragraph or go here. <https://forums.mini-iac.org/>

See you guys out at the field! And as always, if you have something you would like to see added, never hesitate to contact me directly at contact information below.

Douglas.pilcher@gmail.com
903-647-2640



Notes from the Officers



Vice-President
Alex Dreiling

Welcome to the new IMAC Year.

There is a lot going on to get ready for the upcoming IMAC Season, including planning for Nats and even looking forward to Worlds.

To keep yourself informed, check out the website: www.mini-iac.org
You can find contests, BOD meeting minutes, current sequences and lots of training materials. Take advantage of this resource!

Here's hoping for a good season for you and I hope you can get to come contests soon!

Alex
alexdreiling@gmail.com



Secretary
Rick Crow

After a fall spent mostly in the hospital I am on the mend and looking forward to the upcoming iMac season.



Treasurer
Jim McCall

None submitted.

Bulletin Board

Nats 2021 SA Mike Karnes Cup



Get Them While They Last. Contact your RD!

CD's and Scorekeepers

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Forums

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Letters to the Editor

Have an opinion? Have a suggestions? Have kudos or good experience to share?

This is the place to do it. Away from the Trolls and Flamers, you can be read by all IMAC Members.

Take this opportunity to share some experience and make your suggestions. Get yourself printed and read and expose those great ideas and great deeds that you encounter in your IMAC experiences.

Just send me a note to imacinthebox@gmail.com.

Cover Photos

Are you a budding photographer?

Did you luck into a great shot?

Want to share something special with everyone?

Send in a photo for a chance to be on the cover of the IMAC InTheBox Newsletter!

Have multiple photos of an event? Send them in and it will be made into an event page.

imacinthebox@gmail.com

Toby's Tech Tip

By Toby Silhavy

Well everyone its been a couple of issues since my last article so I want to revamp the pace and the tips that this column can provide. I hope you like this topic and I am open to any topics you may want to see in future columns. Please drop me a line at torqueroller2000@yahoo.com I would be glad to here from you!

Well I have spent the last several months teaching myself programming in a few different computer languages and this article is the beginning of how this knowledge will help IMAC to stay safe and to protect our valuable aircraft. In this first article I would like to introduce everyone to my favorite tech item and that is telemetry. I know a lot of you say, yeah I don't need it or I wont use it but I saw a plane this summer get saved by said telemetry and another would have saved his aircraft if a simple \$10 DIY sensor had been added to his plane. Plain and simple



people telemetry is useful and we should all try to embrace it. So from here on out I'm going to show you the grass roots on how to make simple cheap telemetry sensors that will save your \$2500 engine from cooking itself all the way up to altimeters or honestly anything your mind can come up with. All you will need is a cheap soldering iron and a willingness to learn your transmitter and how it communicates with it's receiver(s).

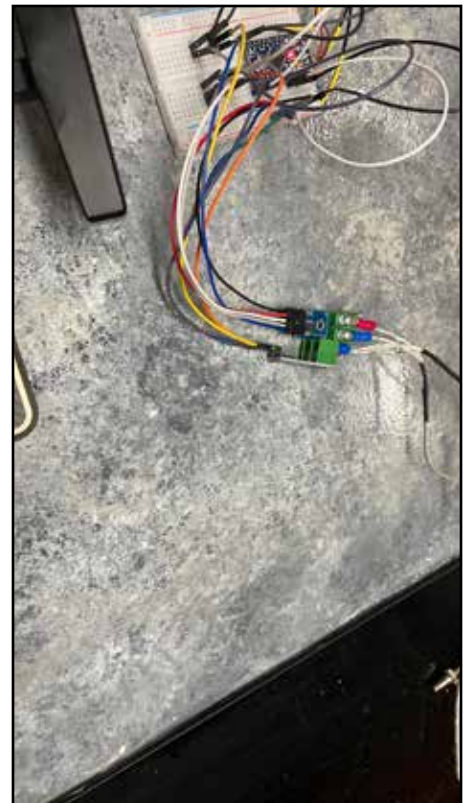


This first sensor will be enough to gain some common knowledge about electronics and where to look for resources. I would like to thank RC-THOUGHTS.COM and Tero Salminen for providing such good articles and YouTube content. I have started a journey of Learning and I hope you come along for the ride. Here WE GO!!!!

Project #1 and simple twin cylinder head temp sensor. Yes, you quad guys this will lead to a quad cylinder version

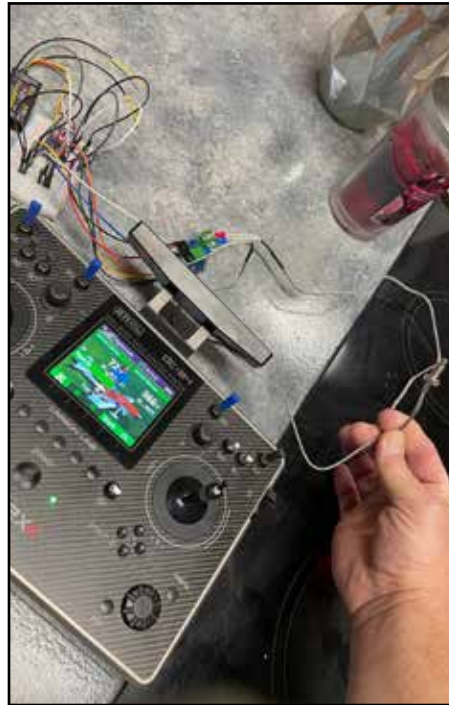


as well. Although I will be demonstrating how this applies to JETI programming and sensors, the concepts apply to all other TX brands. We just got to apply ourselves a little and that Spektrum and Futaba radio will be singing as well!!!!





First off I will try to show all the items I used to make this sensor. I try to buy items from Amazon but have bought items from Aliexpress as well if I can wait to obtain the item. Many of the tasks of programming are done using Arduino code and the Arduino board programmer or IDE is free for download from Arduino.cc. I personally use the Arduino 2.0 software (free) and Visuino programmer as well (this costs around \$50).



For the simple JETI twin cylinder setup I use the following equipment

1. Arduino Pro Mini 3.3 volt board \$7
2. 3-5 volt Max6675 thermocouple Module and K type thermocouple temp sensor
3. 12" 20 ga r/c connector and some 20 ga wire from connector
4. Fine soldering iron and accessories
5. JETI Tx (eventually all other TX as well)
6. Patience

I will wet your appetite with a few pics until next time when we get down to the meat and potatoes of DIY sensors!!!!

Toby Silhavy





What does this mean? Where did this come from?

I was enjoying some great live music (Samantha Fish & Johnathon Boogie Long) in downtown Baton Rouge, and I noticed a bumper sticker on the wall of the club that was leftover from a Baton Rouge Downtown marketing campaign. The bumper sticker said #IAmRedStick. This caught my attention and I started to think about what that message means, or could mean. Then an idea was born.

We all see the finger pointing all over the online world exclaiming what is so wrong with IMAC. We do it on Facebook, we do it on the Public Forums and we do it on the IMAC Forum pages. Everyone has an opinion of what Somebody Else can do to make IMAC better. When the truth is every face to face IMAC event and IMAC competition is typically a wonderful experience.

What is the disconnect?

I believe that what it boils down to is it is up to each and every one of us to take responsibility and say "I Am IMAC"! If I think something needs to be done, I am the one to make sure it gets done. If I meet someone who is interested in IMAC, I am the one responsible to explain IMAC in such away that they walk away with a positive opinion of IMAC. IMAC and IMAC competition is not for everyone. But, there must be a positive message presented to one who is new to IMAC so that they can determine if IMAC is what they are looking for.

It is imperative, if we want to continue to grow as an organization (and yes I meant to say continue to grow!) that we highlight the positives of IMAC and we not only present them, but we believe in these positive aspects. It is obvious when you are speaking with someone, if you do not believe in what you are saying. Especially when it is something that so many can be passionate about. Every post, conversation and comment can potentially influence someone or change someone's mind about IMAC and what it is about. In just about every little informal survey I have done, the number one thing that pilots say is key to why they continue to fly IMAC, includes the fact that the people are great and they love their IMAC family. So, when someone new is asking about IMAC let's be one of those great people and let's highlight this to them. Its easy.

Lastly, take pride in what IMAC is. This is an International Family of great people, who happen to love RC Aerobatics. That's it. Wear your IMAC shirts with pride, your IMAC hats, your event shirts and take offense when someone is talking down your IMAC. There is a place for constructive criticism, but in the Outrage Happy world, it is easy for people to cross the line from constructive and destructive. Ask the person (or yourself) what positive thing will this comment do for IMAC. If no positive aspect can me accounted for, then maybe that comment should be left unsaid or typed.

So, now you know. Tag yourself and others. Raise up those doing positive things for IMAC and question those that are not doing things that will ultimately help our beloved sport.

Rich Whitlow
#IAmIMAC

Regional Reports

Latin America Regional Director
Oliver Soto



IMAC LATIN AMERICA'S STARTERS LEAGUE

A new year begins, and it carries a whole new package of challenges both in sanitary and in economic terms.

These challenges require us to figure out ways to overcome overly high expenses and unnecessary risks. This became the next challenge to overcome itself.

Thus, the IMAC Starters league was born.

This is the brother league of the regular IMAC league, giving the newcomers the chance to learn directly from some of the best pilots and judges from the regular league.



Its goals are:

- Discover new talents disregarding the age or renown of the pilot (we have had some great surprises from pilots over 60 years old)
- Create a line of new coming non flying judges.
- Promote aerobatics for pilots that want to join the regular league soon in the future or just want to have a great day

But, what's different about it?



Well, for starters, this league consists of single day contests which can be run on a very low budget ranging from 3 to 5 dollars an entry, making it appealing for both contestants and hosts.

These features made it possible to schedule a very satisfying number of Starters League Boot Contests for 2022: 21 contests so far just for 4 states in central Mexico alone. North and south regions are still pending to confirm the dates in which they will hold their own boot contests.

About the classes themselves: each class will distinguish from the others by the type and/or size of the planes that will be allowed in that particular class.

The classes we're running are:

- Novel High Wing: Trainer airplanes ranging .40 cu in to 19cc.
- Novel Low Wing: Low wing airplanes ranging .40 cu in to 19cc.
- Novel L: Airplanes ranging 20cc a 50cc
- Novel XL: Airplanes with engines 55cc or larger
- Special: Bipes, twin engines, pushers, jets, warbirds and so on as needed.





As you can tell, the goal is the newcomers depend as little as possible on the size, type or cost of gear they fly to actually show his or her flight quality.

Instead of focusing in increasing difficulty throughout classes, all the classes in the Starters league fly the exact same maneuvers.

The pilots will fly just 6 maneuvers instead of the regular 10 we fly in IMAC, not including until now those maneuvers which execution or criteria makes them hard to achieve by a certain type of airplane or which are plainly overwhelming for newcomers.

The maneuvers and the order they will be flown at was purposely chosen to fit small glow and gas engines and even some underpowered airplanes, allowing them to slowly build altitude to avoid unnecessary risks or plainly running out of it.

Also, the maneuvers already include the name of the maneuver printed in the Aresti flimsy to standardize the names for the maneuvers avoiding local or regional slang.

Why people will feel motivated to join the Starters league?

As mentioned above besides being a



(very) affordable way to initiate in IMAC, also:

- Knocks out the need to spend top dollar getting a big airframe to be competitive or to aspire to grab a position among the top 3 at any contest and in a national and international level as well.

- Eliminates the need to travel long distances to get that particular taste that comes with competition.

- Schedules plenty of opportunities making it easier to choose a date that fits the particular needs for any given pilot.

- As we all know, improves greatly the flight quality of the contestant no matter which kind of airplanes he or she flies on a regular basis.

- The fact that there are several classes to choose from builds plenty of opportunities to achieve a good place by the end of the contest.

- Official recognition from the IMAC Organization and renown in the website.

- On top of it all, we developed a Traveler Assistance Program, in which pilots coming from distant places or abroad get the chance to borrow the giant scale planes the local pilots in each venue provide.

How the Starters league can help improve the regular IMAC league in the region?

Pilots flying in the Starters League will have a timeframe at least one year long to begin building either confidence or an airplane that fits better in the regular league contests while they're already competing at several venues and dates.

So far, 2 countries have adopted the use of the Starters league as a mean to recruit new pilots for the regular IMAC league: México and Colombia.

México is already running full steam ahead while Colombia is going to run the tests and schedule their dates later next month.

And, how is it coming along?

Our results in the test conducted in January 2022 are very flattering. The invitation for the trial contest was released just 36 hours prior to the scheduled date.

Nevertheless, 7 new to the sport pilots and 2 new coming judges showed up traveling from 3 different states and bringing planes ranging from small electric/glow sport planes to medium sized gassers.

After inquiring further, we learnt they have been wanting to compete for a long time, but they felt overwhelmed by the usual reasons (amount of scheduled dates, distances to travel, length of contests, size of planes usually found in the regular season and so on)

What was the lesson brought by the trial contest?

People crave to give IMAC a try!

It's up to us to give more options to deal with the needs our pilots have.

The only question I can think of is, why not?

We're literally (Quoting Adi Kochav's words) bringing the world together one figure at a time!





IMAC EURO CUP 2022

IMAC EURO CUP, www.ImacEurope.com, is the IMAC European Region annual championship, that is structured on a certain number of Open International competition taking place in several Countries within the Region. At the moment, the IMAC Europe Region comprehends 25 Countries. Each year, the number of Open International competitions belonging to the EuroCup may vary, according to the availability of the Countries to organize such complex events. Pilots do not need to participate to all the EuroCup competitions in order to win the championship. Each year, based on the number of Open International competitions offered, we decide the number of possible draws, in order to minimize potential travel costs. The normalized scores achieved by each pilot at the minimum number valid competitions are summed up, originating a final championship ranking that is finally normalized again.



CURRENTLY REGISTERED PILOTS
CAORLE - IMAC ITALIAN CUP
EuroCup Championship
June 17-18-19, 2022

Registered Pilots: 83 Registered Countries: 14

Italy	31	Germany	12	Switzerland	3	Spain	1
Kuwait	2	Czech Rep.	11	India	1	France	1
Austria	8	Slovakia	4	Belgium	2		
San Marino	3	Poland	6	Netherlands	1		

Sportman	Intermediate	Advanced	Unifree	Free Style
Marco Gelotta	Fabio Giannini	Pietro Di Biaggio	Sacha Cecconi	Sacha Cecconi
Zdenek Falt	Gioele Nicodemo	Alessandro Nicodemo	Andres Brignoli	Andres Brignoli
Marek Smasik	Will Maltzauer	Mauricio Mirestani	Saad Alajmi	Saad Alajmi
Radek Fruchs	Vojtech Kubis	Franco Antognazzi	Adi Aljumi	Adi Aljumi
Alpender Kleinmaier	Vladimir Ochotny	Ivan Leo	Marek Plichta	Marek Plichta
Cristian Selva	Andreas Kaiser	Fred Schiefer	Luca Maurer	Walter Gionty
Paolo Bellini	Sebastian Falt	Milan Brocka	Leonardo Scardigli	Marek Plichta
Roman Zilinski	Niklas Bernauer	Mario Pinner	Gino Ballo	Zdenek Falt
Paolo Caspocelli	Giulio Pacifici	Harald Marx	Werner Kohberger	Sebastian Falt
Adolph Thies	Giulio Proietti	Maximo Selva	Jurien Vissers	Niklas Bernauer
Gioele Bressan	Yves Emery	Janer Falco	Tomas Depreux	Marek Smasik
Fabian Fischer	Zdenek Sougl	Maciej Id	Jack Socapenski	Radek Fruchs
Filippo Lo Bello	David Nijelow	Ela Farnet	Manhas Schmidt	Luca Maurer
Sergio De Marco	Max Sebald	Adam Hrbacek	Willms Kistl	Leonardo Scardigli
	Tomas Zahens	Sergio Rossi	Mel Nijelow	Gino Ballo
	Michal Jasanovic	Milan Valenta	Cristian Fierabracci	Werner Kohberger
	Michael Hauech	Maciej Mazurk	Sebastiano Silvestri	Jurien Vissers
	Claude Rouiller	Albano Androsi	Andreas Wildauer	Tomas Depreux
	Karl Semml	Nicola Panzavilla	Wolfgang Krasthofer	Matthias Schmidt
	Nikolas Ulan	Francisco Forte	Josef Lukas	Willam Kahl
	Guillermo Ricotti	Orazio Farto	Andres Cervi	Mel Nijelow
	Giuseppe Culati	Dario Oppici	Martin Brandmuller	Cristian Fierabracci
			Jakob Bern	Cristian Selva
			Jon Calido	Maximo Selva
			Marian Mader	Max Sebald
			Jorge Guzman	Andreas Wildauer
				Tomas Zahens
				Wolfgang Krasthofer
				Josef Lukas
				Andres Cervi
				Martin Brandmuller
				Jakob Bern
				Adam Hrbacek
				Milan Valenta
				Adolph Thies
				Claude Rouiller
				Jon Calido
				Gioele Bressan
				Marlan Mader
				Jorge Guzman

IMAC ITALIAN CUP June 17-19 Caorle, Italy	REGISTER IMAC ITALIA WEBSITE COMPETITION LOCATION REGISTERED PILOTS
International Website IMAC SWITZERLAND July 1-3 St. Gallen, Switzerland	REGISTER IMAC SWITZERLAND WEBSITE COMPETITION LOCATION REGISTERED PILOTS
IMAC GERMANY CUP July 15-17 St. Johann, Germany	REGISTER IMAC GERMANY WEBSITE COMPETITION LOCATION REGISTERED PILOTS
IMAC POLAND CUP August 1-3 Warsaw, Poland	REGISTER IMAC POLAND WEBSITE COMPETITION LOCATION REGISTERED PILOTS
IMAC CZECH CUP August 18-20 Hradec, Czech Rep.	REGISTER IMAC CZECH REP WEBSITE COMPETITION LOCATION REGISTERED PILOTS

(Denmark, Norway, Sweden, Finland), Italy, Czech Republic, Turkey, Israel and Poland. This year, only Switzerland, Italy, Germany, Czech Republic and Poland have been able to organize EuroCup Open International competitions.

All these events take place applying the full IMAC regulation. The only exception is that the Basic class is not represented, as the availability to host pilots is limited. All these competitions have a participation level ranging from 40 to 90 pilots. At the Caorle event, at the moment, 83 pilots have already registered from 14 Countries. At all these three days Open International competitions, two unknown flights are flown. Based on participation level, we manage from two to three concurrent flight lines each time. The level of participation at the free style class is always very high, providing an interesting international exposition of the



best free style pilots active in Europe.

Thanks to the automatization of the scoring system, provided by the Notauscore technology, adopted by all the organizing Countries, we are now in the position to minimize the organizational costs. This has been of great help. In addition, the possibility of providing each pilot a real time view of all scores in his mobile phone, is a feature that is greatly appreciated.

The EuroCup is the evolution of the European AcroCup, a tournament invented by Klaus Dettmer, a German airmodeller very passionate for semi-scale aerobatics, who has been greatly effective at promoting the practice in Europe until 2012. Unfortunately he passed away a few years ago. In his effort he has been supported by DMFV, www.dmfv.aero, the most important German airmodelers federation. This is the reason why we continue to manage the IMAC EuroCup, which is an evolution of the European AcroCup, in partnership with DMFV. At the moment, the coordinator of the IMAC EuroCup is Klaus Dettmer, a very passionate German Pilot operating within our Euro-Team.

I believe these International competitions are very important to keep the IMAC passion growing, as they provide a tangible and practical International perspective to all the local IMAC competitions that are happening in each Country every year. They also enabled to grow a very effective cadre of IMAC International Judges.

We really hope that after this Covid bump, more Countries will get back on their feet, providing the EuroCup with more alternative Open International competitions. It is just a matter of bouncing back. We have to be patient and work.

It is to be noticed that all these Open International events are Really Open. This means that any pilot from any other part of the world, also outside the IMAC Europe Region, is warmly invited.

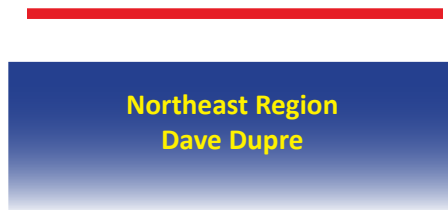
This year, 2022, seems to be a come back year. We will see how it will roll out.

You are all invited to join the IMAC EuroCup,

Manrico



None Submitted



None Submitted



North Central Regional Report

Hello all of my NC friends and family. As I'm sure aware we are in the grips of a pretty bad winter and have just come through Christmas and New Year's. I hope everyone got all of their favorite RC items and hope we all got to spend time with friends and family. We are fast approaching spring and the Ard's and I are planning something new for the newcomer to IMAC in regards to our yearly judging schools. We really are working hard on a newbie basic class introduction to IMAC, so if you are interested in IMAC and have thought about trying it out this class is for you! As always we will have a few other dates set out to educate even the top pilots in our district. So please, keep looking at our events page and prepare to have fun and learn some more about our great sport!

Everyone, we are filling our contest days out on our schedule. So, please plan on making it to some contests this year! We will be introducing a new electronic scoring system to the district, so please plan on attending a judging school and help us roll this new system out! I think the new system will rock your world and show you how great it will be to concentrate on the airplane and not writing down scores. More details to come in the next few months!!!!

Contest directors please make sure you submit your contest flyers when you submit your contest for approval. These flyers are important to grab peoples attention and provide vital details on your contest. If you need help making a flyer please see me or one of the Ards for help!

I would like to introduce our newest ARD Mr. Jim Hugg to my minions! He has been instrumental on helping myself and several people around the District the last several years. It is about time he is recognized for being a valued member of our district! Thank you Jim! I would like to thank my ARDs the IMAC board and all the members of IMAC who make the NCFR!!!!

Respectfully,

Toby Silhavy



Southeast Region Primo Rivera



Hello South East;

IMAC season is just around the corner, we have a new contest in NC for those northern guys, Mr. Garceau is looking forward to it, I know I'll plan to be there. Our first contest is in Ocala FL, yeah I'll be at that one also. We are a little lite on the schedule but I know we have other CD's looking at the dates right now and soon will be up.

It's been a long cold wet winter with not much flying, take some time to go over your birds and check everything, connectors, hinges, control horns, clevis points, landing gear bolts, this are just a few to mention, you be glad you did. Take pictures share what you found.

Safety Corner; This one is for Everyone! Let us not get complacent, pleased, especially with oneself or one's merits, advantages, situation, etc., often without awareness of some potential danger.

With the repetition of us going out to fly and following the same process repeatedly, we could actually create a dangerous situation for others and ourselves. As far as I know, IMAC has



Southwest Region Jacques Telles



The Southwest District kicked off the 2022 season with a well-attended virtual judging school middle of January. A big thank you to Primo Rivera and Alex Dreiling for covering the training material during the GoToMeeting session.

Our 1st contest of the season (the Cactus Classic January 29th and 30th) butted heads with mother nature on Saturday. The 25mph+ winds 90 degrees to the runway moved us to a single day contest on Sunday. 16 pilots enjoyed a fantastic day of competition flying... with NO WIND!



Looking ahead at the 2022 SWD Calendar of Events, there are 15 contests including our November regional finals in Lake Havasu. We added a new contest in April with the St George, UT contest. Kim Quenette did a fantastic job working with the Remote Possibilities RC Club (remoterc.com) to get the event onto the SWD calendar.

Stay tuned for more updates from the SWD in the next newsletter

Yours truly
Jacques Telles

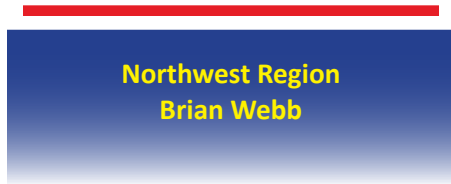
not had an incident at any event that I know off, (THANK THE LORD FOR THAT) staying proactive is the only way accidents can be avoided.

CD's should add a first aid kit to the list of things to get for a contest.

I am excited to see all of you at some point next year, some great events are coming, Joe Nall, the NATS, the invitational and the Tucson shoot out,

LOVE ME SOME IMAC
#ARTINTHESKY

Primo



Hey everyone. Hope you all had a great holiday season and have some fresh builds to maiden this spring. Here in the Northwest, we have a full calendar of contests this year. 13 contests are currently booked. Please get signed up as soon as you can as this really helps the CD's plan all the details that go into putting on a contest.

We will be having an online judging school on Saturday the 2nd of April. Please plan on attending as this is key to progressing everyone's judging abilities.

For those of you that have not joined us in a while, please try to attend at least one local event (yes, it is just as much fun as it used to be). We look forward to all the new pilots this year

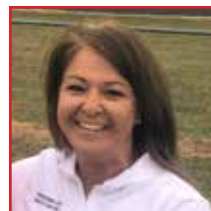
and try to bring someone new with you to a contest.

I am excited as I am just about to put some air under the wings of my new build.



See you guys and gals at a contest soon.

Brian



We had a fantastic 2021 competition year. We welcomed several new competitors and old friends. A special congratulations to all our Regional Points winners.

Basic:

- 1st Place- Brad Ahlfinger
- 2nd Place- Jim Barfield
- 3rd Place- Jason Watts

Sportsman:

- 1st Place- Kenneth Rogers
- 2nd Place- Tony Stewart
- 3rd Place- Brian Christenson

Intermediate:

- 1st Place- Chris Shockley
- 2nd Place- Allen Delger
- 3rd Place- Tim Hughes

Advanced:

- 1st Place- Nick Scharping
- 2nd Place- Rudy Voldrich
- 3rd Place- Danny Powell

Unlimited:

- 1st Place- Hank Cooper

The 2022 Season is slowly shaping up with our first contest in Dayton, Texas followed by Judging school!

The SC Judging school will be held in Oklahoma City March 19th - 20th. This not only makes you a better judge, but a better IMAC pilot, as well. This year RTL Fasteners has donated some goodies to give out. This is not only just for IMAC members, if you have a spouse or brother or sister who is interested in volunteering at a contest and would like to be a judge this is the opportunity for them to come learn the judging criteria.

Also, we have NAT's coming up in late June. Please head over to the forums for all the information from registration starts (March 1) to agenda, camping information and sponsors this year. I am excited about what 2022 is going to offer with many new pilots and a calendar of contests, hope to see you soon at the field!

Severe clear

Amanda Darling

Upcoming Events

March:

5th - 1st Annual Jetero IMAC Challenge - Dayton, TX
5th - 1st Annual JETERO IMAC Challenge - Dayton, TX
12th - Oakdale IMAC I - Oakdale CA
19th - SC Regional Judging School - Oklahoma City - OK
19th - OFMC Spring 2022 IMAC Contest - Ocala, FL
19th - Maryborough IMAC - Maryborough, Queensland Australia
25th - West Texas Challenge - Odessa, TX
25th - IMAC Mexico Circuito 2022 Malvinas - Toluca, Mexico
26th - Plane Nutz IMAC Challenge - Candor, NC
26th - Tucson IMAC/F3S - Tucson, AZ
26th - Wings Over Wangaratta - Wangaratta, Victoria Australia

April:

1st - IMAC Israel "Winter Break" 2022 - Nitzana, So. Israel
2nd - 2022 IMAC NW Regional Judging School - Virtual
2nd - WA IMAC - Perth, Western Australia, Australia
8th - Miami IMAC-F3S - Perrine, FL
9th - 11th Annual MMRCC - Byram, MS
9th - Grizzly Bear IMAC Contest - Richland, WA
9th - Hemet IMAC Contest - Hemet, AZ
23rd - Mocksville NC IMAC Event - Mocksville, NC
23rd - Salinas IMAC I - Chualar, CA
23rd - Palermo - IMAC Italy National - Palermo, Italy
23rd - NQ IMAC Classic - Townsville, Queensland Australia
23rd - Echuca IMAC 2022 - Echuca, Victoria Australia
30th - 2022 Pegasus FMAC IMAC Classic - Hagerstown, MD
30th - First Coast IMAC Contest - Jacksonville, FL
30th - HCRCC IMAC - Newton, KS
30th - Higgins Field IMAC Challenge - West Richland, VA
30th - Remote Possibilities St. George IMAC - St. George, UT

May:

6th - IMAC Israel "May Day" 2022 - Nitzana, So. Israel
7th - SC-SW IMAC Smackdown - El Paso, TX
7th - Creston Valley IMAC Aerobatic Competition - Creston, BC
14th - State College IMAC Challenge - Centre Hall, PA
14th - Riverside IMAC Contest - Perris, CA
14th - San Giovanni Rotondo-IMAC Italy National - Lecce, Italy
14th - TAA IMAC - Toowoomba, Queensland Australia
21st - MK Challenge - Muncie, IN
21st - Idaho Wrecking Crew Challenge - Boise/Kuna. ID
28th - 22nd Annual Columbus IMAC Challenge - Galena, OH
28th - Texas Panhandle IMAC - Canyon, TX
28th - Bear Mountain 2022 IMAC Event - Bakersfield, CA
28th - 1st IMAC German Cup 2022 - Bayern, Germany
28th - P&DARCS IMAC - Pakenham, Victoria Australia

June:

4th - Granite State IMAC - Concord, NH
4th - Annual Spring Classic - Land O Lakes, FL
4th - "Big Bob" Memorial IMAC - Eagle Point, OR
11th - ESAC Jack Stoval IMAC Challenge - Vienna, MD
11th - SMFC 3rd Annual IMAC Challenge - Tabor City, NC
11th - 5th Annual NATS Warm-up for IMAC - Salina, KS
11th - Dakota Thunder IMAC - Rapid City, SD
11th - West Coast Aerobatic Challenge - Walnut Grove, CA
17th - Caorle-IMAC Eurocup-Open International - Caorle, Italy
25th - Weaver's Field IMAC - Othello, WA

NC Regionals 2021

Galveston, IN

We had a contest in Galveston IN to prep for regionals, first time at this site. It was beautiful weekend although a bit hot (for us Michiganders) to prepare for North Central Regionals. Here are two pics that cover most of the participants. Use as you see fit!

Dave Pierce
IMAC 8004



Why Join IMAC?

The International Miniature Aerobatic Club (IMAC) is an organization dedicated to sport of radio-controlled Scale Aerobatic competition. IMAC operates under the auspices of the USA's Academy of Model Aeronautics (AMA) with a designation as the Special Interest Group (SIG) for R/C Scale Aerobatics. While it's origin is American, the scope of IMAC operations now extends to over 15 countries throughout the world and continues to grow daily.

IMAC members are people just like yourself that love to fly scale aerobatic planes. Like any worthwhile endeavor it takes focus, energy and passion to succeed in this sport. As a pilot, you spend hours learning sequences, tuning your plane, or learning how to do the "perfect" spin entry. You pack up and head out to a contest all ready to compete head to head with your fellow pilots. It's great so far but think about it...what is going on behind the scenes?

- * Who organizes this stuff?
- * Who sets the standards so that all events operate on the same level playing field?
- * Who helps write and maintain the rules that we all fly by?
- * Who develops the judging schools and training programs?
- * Who actually writes, refines, and publishes the known sequences you so diligently practice?

It's IMAC – International Miniature Aerobatic CLUB

Yes a CLUB...people like yourself all contributing to the sport with their time, resources, and passion. If you are serious about flying scale aerobatics, IMAC membership is your way of giving back to the sport.

Yes...you get benefits like discounts off entry fees at every event and the ability to compete with other pilots in your class across your IMAC region for annual bragging rights. You get access to the full IMAC website including contest calendars, buy/sell classifieds at no charge, and a full forum for sharing information with your fellow pilots

Without an international organization like IMAC, the sport of scale aerobatics as we know it may disappear! All of the activities of the organization are focused on making the sport better whether through national judging schools, holding monthly phone conferences, working with the website, working with vendors that contribute to IMAC and these activities cost money. As a not-for-profit organization, IMAC depends on it's members. Regardless if you are in the US/Canada or somewhere in the rest of the world, the sport needs you to be part



Joe Thibodeau & his father David

Join with the rest of us and support scale aerobatics!

If you fly even a few events throughout the year, you get your money back through event entry fee discounts but more importantly - you support the sport. It doesn't get any better than that!

www.mini-iac.org