

THE FLIGHT LINE

By David Raff – President



The 2nd Annual National Model Aviation Day is quickly approaching and the **Imperial Radio Control Club** will once again participate along with over 150 other clubs across the country!

Saturday, August 16th is the date designated by the AMA this year to celebrate the hobby that we all so much enjoy! This event is patterned after National Aviation Day which is held each year on August 19th. The idea for National Aviation Day was officially ordered by President Franklin Delano Roosevelt in 1939. He chose August 19th because it was the same day as Orville Wright's birthday. National Aviation Day is primarily a day for reflection and celebration of the achievements in aviation. Some communities will hold flight events. Others may showcase old airplanes for the public to appreciate.

Sounds like a perfect fit for us doesn't it?

The AMA decided to take it one step further by making it an opportunity to give back to the community by holding a fund raiser to help raise money for a very worthy cause. Both this year as well as last, the AMA has designated the **Wound Warriors Project** as the lucky recipient. Founded in 2003, this organization works to help raise awareness and enlist the public's aid for the needs of our injured service members.

They also provide unique, direct programs and services to meet the many needs of today's injured service members.

At a recent Executive Committee meeting, it was proposed to combine this with a summer IRCC Family Day. The proposal was presented at our last club meeting and approved. It was also suggested that we send out invitations to some of the local area clubs to join us as well.

So what does this all mean?

On Saturday August 16th, 2014 the **Imperial Radio Control Club** will be hosting a National Model Aviation Day / Family Day / Fun Fly / Fund Raising Event!

I have already started sending out invitations to the surrounding clubs to invite them over to join us if they are not planning something at their own sites. I am so finishing up a flyer that will be sent and posted at area hobby stores. Larry Loucks has started to install the electrical outlets in the two shelters and we will be testing them over the next week or so. If the generator works like we believe it will, we should be able to run a few large fans to help keep things a little cooler if needed.

This will be a great opportunity for you to invite your friends, family and other members of the community to come by and celebrate with us.

Who knows – they may even **"Catch The Bug"**!

Until next month – that is all from the Flight Line!

**The next IRCC club meeting will
be held on Saturday
August 9th 2014
At the IRCC field starting at 9:00 AM**

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IRCC MEETING MINUTES

July 2014

Recorded by Ian Clark (Secretary)

The July meeting of the Imperial Radio Control Club was brought to order at 7:30 by President David Raff. A motion was made and passed to accept the June minutes.

Visitors and New Members: There were no visitors. The month of June brought in 7 members, both new and renewals. We wish to welcome back Ash Bishop, Phil Leisenring, Dale Anderson, Amaury Santana, & new members Arthur Duffy Tyler Rusch and Jerry McCafferty.

Treasurers Report: We started July with \$xxxx.xx . We brought in \$xxxx.xx and spent \$xxx.xx.

Membership Report: During the month of June we added 7 new members. There are now 103 members with 84 being open.

Field Maintenance Report: Our field maintenance work day was a big success. We would like to thank everyone who participated.

The field got a much needed trimming, our power cable was buried and the parking ties were replaced.

Safety Report: We are in the middle of the lightning season. Please use caution when a storm is approaching. Lightning can strike a long time before the rain starts. If you are flying on the 72 MHz frequency, you must use the frequency board. If using 2.4 frequency, using the board is a courtesy to the rest of us.

The shutoff markings on the taxiways have been repainted. These yellow stripes mark where you must shut off your airplane engine or motor. No airplane should be taxied into the pits. This includes electric. It is a very unsafe practice to do so.

Instructors Report: Nothing new to report this month.

Newsletter & Website: We may have a few changes to the website soon. More to follow.

Past Events: None reported

New Events: **National Aviation Day** is going to be Sat. August 16, 2014. It was suggested that we combine this with a Family Day! All donations and money earned will be donated to the Wounded Warrior Project.

Mulberry 500 Pylon Races Oct. 17th – 19th.

This will be the 11th straight year that this great event has been held in Mulberry. Contest CD will be Scott Smith. When asked, please offer your assistance as this always benefits our club.

12:00 High October 23rd – 25th at Paradise Field. This year's event will be open to all military aircraft of any size. David Dewitt will be coordinating volunteers for this.

We are planning to hold an IMAA event - dates to be announced.

Mulberry Electric Extravaganza – December 5th - 7th.

We plan on night flying for those brave enough on Friday & Saturday evening. We are going to hold a Toy's for Tot's drive at this event as well!

Old Business: The club has started looking into options to save / protect the runways & taxi-ways. More on this to follow.

New Business: With Robert Russ being so busy and unable to continue doing the mowing we had to make some adjustments. Gary Snyder, Shelly Smith and Richard Moffett stepped up and put time and effort into mowing and maintenance on the tractor.

Dale Anderson made the generous offer to resume the mowing duties. Dale did the mowing several years ago and is ready to continue on with his excellent work. We all thank you.

Sportsmanship Award: Gary Snyder received the award this month for his efforts in mowing the field and keeping the tractor maintained on such short notice.

A motion was made and accepted to close the June 2014 meeting of the Imperial Radio Control Club at 8:45 pm

Here is the next installment on the article of gasoline engines. Since we are seeing and hearing more conversation about gasoline vs. “glow-powered”, I felt that it would be a good introduction for someone who might be thinking about converting or planning the power plant for a new project. This is part two of a three part segment.

Small-Block RC Gas Engine Guide — A New Generation of compact Power! BY: Gerry Yarrish



Lately, there has been a noticeable shift toward smaller displacement single-cylinder, gasoline engines and there are now many of these little gas-burning powerhouses on the market. Years ago, when you talked about gas engines, the smaller end was owned by the 25cc engines and the average size was roughly between 40cc and 60cc with a few exceptions. Gasoline engines have also grown to monstrous sizes in the 150 and 200cc ranges with other multi-cylinders radials sporting 400cc. I guess it's only natural that smaller engines have come along to try and balance out the size spectrum.

Why use a small, “20cc and under” gasser? Well, there are several advantages. First, there are tons of 40 to 60 size sport planes out there and many of these smaller gas engines will easily slip into place with little effort. Gasoline engines are extremely fuel efficient compared to methanol/nitro powered engines and the cost per gallon for gasoline is also about a quarter as expensive as glow fuel. If that's not enough, Walbro-type pumper carburetors are very easy to adjust and maintain. And, with their electronic ignitions, gasoline engines are also very easy to start.

So what's not to like? Exactly!

Here are some of the more popular “20cc and Under” gas powerhouses available today.

EVOLUTION 20GX



Displacement: 1.20 cu in
Bore: 1.20 in
Stroke: 1.10 in
Practical RPM: 1,800-10,000

Weight: 33.6 oz. (958 g)
Recommended Prop: 16x6
Prop Range: 15x6 to 17x8
Crankshaft Threads: 5/16-24
Plug Type: 1/4-32

Price: \$279.99

Based on the Evolution 1.20NX glow engine, the 20GX 20cc is a small block gasoline engine designed for .90- to 1.20-size airplanes. It's has a standard beam mount and compact dimensions so it will fit anywhere you would use a .91- to 1.20 glow engine. It's also remarkably lightweight, even with the ignition system and battery. With the included 2S Li-Po ready electronic ignition and muffler pressure-regulated type carburetor, easy starts and tuning are a breeze. An in-cowl muffler is included as well as fuel tubing and filters that can handle gasoline.

SAITO FG14 4-STROKE



Displacement: .82 cu in
Type: 4-Stroke
Bore: 1.14 in
Stroke: 0.80 in
Practical RPM: 2,000 – 9,300 RPM

Engine Weight: 25.8 oz
Recommended Prop: 14 x 6
Prop Range: 13 x 8, 14 x 8
Carb Type: 2-needle Saito pump-type.

Price: \$399.99

The smallest gasoline-powered 4-stroke engine on the market, the Saito FG-14C is the gas equivalent of the 82 AAC glow engine in terms of size and dimensions, yet it gives you the cleaner, lower-operating cost of gas with 14cc of power. Above and beyond the advantages of a 4-stroke gas engine, this is the engine for those who like to run clean and efficient engines. The engine comes with the Saito 4-stroke ignition module, Saito pump carburetor, muffler and engine mount.

ZENOAH ZP20



Displacement: 1.22 cu. in.
Bore x Stroke: 1.26 in. 0.98 in.
HP: 2.1 hp. @ 9000 rpm
Weight: 41.6 oz.

RPM Range: 1,400 – 10,000
Rec'd Prop: 16x6
Prop Range: 15x8 – 16x8
Crankshaft Threads: 8 x 1.25mm
Carb Type: Walbro

Price: \$299.99

Known for their legendary reliability, the Zenoah engine line offers power to spare. Now outfitted with the ZP electronic ignition system, the ZP20 share many of the core components used in the magneto powered Zenoah G20. The ignition system can be powered with everything from a 4.8V NiCd or NiMH pack to a 7.4V 2S LiPo pack. No power regulators are required and the current draw only 450mAh so you'll be able to use smaller capacity battery packs to save weight. Key Features are aluminum carburetor arms for choke and throttle, Custom-machined grey-anodized prop drive, Lightweight muffler and spark plug included.

DLE – 20CC



Displacement: 1.22 cu. in.
Bore x Stroke: 1.3 in. 1.0 in.
HP: 2.5 hp.
Weight: 28.9 oz

RPM Range: 1,900 – 9,000
Rec'd Prop: 14x10, 15x8,
16x6, 16x8, 17x6, 18x6
Plug Type: CM 3
Carb Type: Rear Mounted Pumper

Price: \$249.99

This popular gasoline engine features two sealed crankshaft bearings, aluminum alloy crankcase with advanced CNC machining, a rear-mounted pumper carburetor, a fully automatic electronic ignition and a 2-year limited warranty. It features easy beam mounting to fit in the same engine mount as a comparable glow engines. Engine comes with: spark plug, ignition, muffler, muffler gasket, two 5x20mm muffler bolts and instruction manual.

(More next month!)

COMING EVENTS!

August 2014						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1 2
3	4	5	6	7	8	9 IRCC Club Meeting At Flying Field
10	11	12	13	14	15	16 National Model Aviation Day & Family Day
17	18	19	20	21	22	23 HAM Summer Swap Meet
24	25	26	27	28	29	30
31						



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