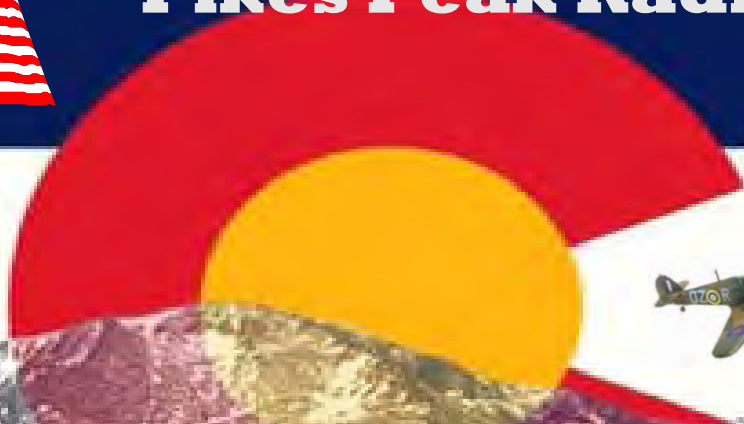




# Pikes Peak Radio Control Club Newsletter



AMA Club Number 179 / 2126 East Boulder Blvd / Colorado Springs, Colorado 80909  
 Phone: 719-329-1600 / Website: [www.pprcflyers.net](http://www.pprcflyers.net) / Email: [PPRCclub@gmail.com](mailto:PPRCclub@gmail.com)  
 Club President – Greg Moore / Club Vice President – Eric Oliver  
 Club Safety Officer – Greg Moore / Club Treasurer – Rod Hart  
 Club Airfield Maintenance Team – Kevin Kinzel, Dan Brunson  
 Club Flight Instructor – Ben Woolfer / Club Secretary & Club Newsletter Editor – Keith Davis

"Keep Calm and Fly On!"

Volume 50 / Issue 03 / Mar 2021

**Next PPRCC Meeting:**  
**March 2021**

@ Location and time to be determined

Local RC events happening this month:

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## Last Month's Minutes . . .



**No February PPRCC meeting due to COVID**

### New Business:

1) The 2021 busy flying season is just around the corner. Be sure to have your 2021 club membership badge displayed and your AMA number and FAA registration number displayed somewhere on the outside of your airplane(s).

### Old Business:

1) In the February PPRCC newsletter and the February PPRCC email news, it was stated PPRCC is a FAA Recognized Identification Area (FRIA). It is not. PPRCC is currently in the process of becoming a FRIA. PPRCC is expected to become FRIA by 2023, the same time the FAA requires all sUAS to have a remote transponder installed, except in a FAA Recognized Identification Area (FRIA).

## Famous Last Words In Flying . . .



"Cartoon submitted by PPRCC member Milt Woodham."

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## Sunset At the PPRCC Airfield

Photo taken by PPRCC member Dale Drew



"PPRCC windsock in the sunset"

Dale sent me this photo several weeks ago. He said he decided to drop by the airfield one afternoon after work to get some flying in. He had so much fun, he stayed longer than expected, right until sunset. Awesome photo, thanks Dale!

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## Airfield Reminder



The busy flying season is fast approaching and the COVID virus now seems to be steadily changing. Please maintain at least a 6-foot distance, you can wear a mask, avoid shaking hands, try not to share items, and if you feel like you may have a COVID symptom, please stay home!

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## Thanks for the Donated Items!



Several weeks ago, a person or persons placed several items in the shed to donate to anyone that wanted or needed them.

There were 3 field boxes, one foam box full of assorted radios and one foam box full of assorted chargers,

There were also a few airplanes that were in need of some repairs but could be flyable again.



Hopefully all the items went to good use and PPRCC thanks the person or persons who donated the items.

**But remember, if you leave something in the shed just to store it, it may be mistaken for a donated item and be gone the next day!**

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## World's Fastest RC Glider



Internet article dated: 23 Jan 2021

According to the Guinness World Records, Germany's Niels Herbrich flew a rocket-powered remote control plane to a record-breaking speed of 750 km/h (544 mph) back in 2018. Three days ago, California's Spencer Lisenby shattered that record by piloting an RC plane to an astounding speed of 882 km/h (548 mph), but their plane lacked one important feature: an engine powering it.

Lisenby's glider does have an onboard battery that is used to power servos that operate its control surfaces and to communicate with the pilot's remote control. But for propulsion, it uses a flying technique called Dynamic Soaring where pilots strategically take advantage of the interactions between air masses with different wind speeds. Air currents actually accelerate as they blow up a hill, and will take anything floating in the breeze along with them, be it a bird or a glider. Find a hill tall enough and an aircraft, particularly a small, light RC model, will be able to hit record-breaking speeds.

By flying in a continuous loop, first up the side of the hill and then back down again at a farther distance where the wind speeds are slower and create less resistance, an RC glider pilot can not only keep their plane flying indefinitely, they can also slowly build up incredible speeds.



**“Spencer Lisenby with the massive DSKinetic 130-inch ws Transonic DP RC glider,”**

But it's not like you can walk into a hobby store, choose a glider off the shelf, and then make an attempt at a record-breaking flight. Lisenby's gliders are custom designed with help from German aerodynamics experts and are built from reinforced materials like you'll find in high-performance sports cars. The tight loops these gliders need to fly in can result in G-forces as high as 120g at peak strain. By comparison, at just 9g, the heart isn't strong enough to pump enough blood to the brain for a human to remain conscious.

Piloting a glider flying at 882 km/h also takes an impossibly steady and skilled hand at the controls. At that speed, the craft covers just over 243.84 m every second. In an interview with New Atlas, Lisenby acknowledges that other pilots have taken advantage of pilot assist devices that can automatically stabilise issues like roll so the person behind the controls can instead focus on making perfect loops, but they prefer the old-school approach where success lies entirely with the skill of the pilot and the design and construction of the plane.

That approach makes the new world record all the more impressive, but as that record continues to fall and these speeds start slowly creeping up on the sound barrier, the manual approach to flying might have to change as pilots start to reach the limits of human reaction times.



**“The fastest remote-controlled jet-powered model aircraft (RC) is 749.221 km/h (544 mph) and was achieved by Niels Herbrich (Germany), in Rothenburg, Germany, on 23 August 2017.”**

**Editor's Note:** I could not find any information on what is the world's fastest RC airplane, glow engine powered.

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# Pikes Peak Soaring Society



The Pikes Peak Soaring Society (PPSS) club is just a few miles east of our club off Judge Orr Road. The club is mostly for gliders but does allow electric planes at times. Several of their club members are also PPRCC members, (Austin, Milt, Murphy, Arms and a few more) therefore they are considered our sister club.

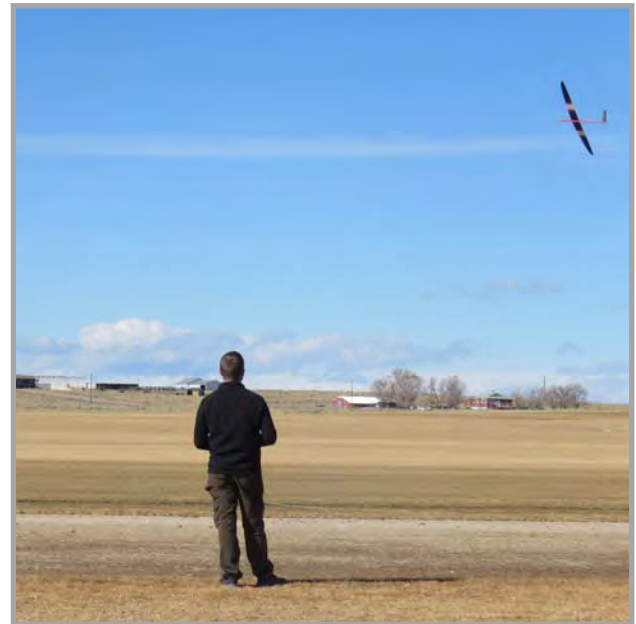
I am not a PPSS member but I am on their email list. When the news came out about the world's fastest RC airplane is now a glider (article on page 3), the PPSS email traffic exploded. A few days later after finished flying at our airfield, I decided to take a drive down to the PPSS sod field and take a few photos.



**“PPRCC & PPSS member Arms Chapman sets up his glider while explaining the launch procedures.”**



**“Some gliders are hand-launched while others can be launched by a winch and cable.”**



**“Although the PPSS flying site is outside of any airport airspace, they tend to fly much higher than 400 feet, watching for full-scale airplanes is a must.”**

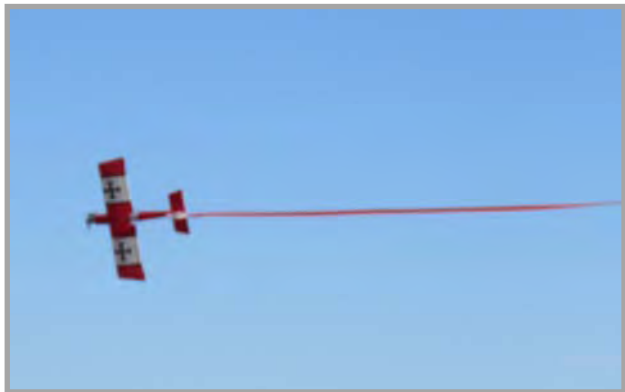
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# Don't Look Now, You're Being Tailed!



“The plane owned by unknown PPRCC member I did ask his name, but I forgot! This 20- size electric-powered Big Stik with a dummy 2-stroke engine had no problem towing a 20-30 foot paper streamer. Much cleaner than smoke oil too!”



“The 20-30-foot paper streamer did not seem to slow the plane down at all.”



“If this is YOU in the photo, let me know and I will put a name with the plane.”

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## Big Airplane Identification



PPRCC member Mike Weidner sent in this informative link. Can't tell the difference between a L-1011 and a DC-10? An Airbus 320 and a B737? Or you just don't know your big jets?



This link shows you what key features to look for when identifying one commercial jet from another. Simple things to spot like door locations, number of wheels, number of engines and engine locations.

Good to know stuff! Copy and paste the link below:

<https://simpleflying.com/how-to-identify-aircraft/>

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## FAA Rules and Regs For RC sUAS



PPRCC member Rod Hart sent in this informative link. Don't know if I need to take the FAA RC test? How do I register my airplanes with the FAA? Not familiar with all the latest FAA acronyms in regard to RC airplanes?

Once again, good to know stuff! Copy and paste the link below:

[USA Flying Regulations FAQ - RC Groups](#)

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## Do you have a story, article, photo, or a change in email address that you would like to send me?

[Lkdavis03@hotmail.com](mailto:Lkdavis03@hotmail.com)

## Keith Davis – PPRCC Newsletter Editor



**Leaving the gate open is like not having a fence. Last one to leave the airfield, don't forget to close and lock the gate!**

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## Can You Name That Plane?



**Clue #1:** In 1972 this plane was in direct competition with one other ground attack plane, this plane lost.

**Clue #2:** Although this plane performed as well as its competitor, a few reasons why it lost; The plane was to be used in the ground support role and the USAF did not like single tail, the low mounted engines and the new, un-proven engines designed specifically for this plane.



**Clue #3:** After losing the competition, the 2 prototypes were turned over to NASA for further flight testing. One was later scraped and the other is now on display at the March Field museum in California.

**Last month's airplane:** The Italian built Piaggio P.180 Avanti. Only PPRCC member Greg Moore knew the name of that Italian bird

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## Aliens have Landed!



No, not really. This is the flight helmet worn by F-35 Lightning II pilots and is considered one of the most advanced flight helmets in the world. Costing \$400,000 each, the helmet is custom fit to the pilot's head enabling the pilot's eyes to line up precisely with the multiple sensors built inside the helmet visor.

Who knows, when the technology becomes more available to the public and the price comes WAY down, this could be used by RC pilots to operate their FPV QUADS in the future!



F-35 Lightning Pilot's Helmet

**The Distributed Aperture System (DAS) in the F-35 streams real-time images into the helmet from six infrared-cameras distributed around the aircraft, allowing pilots to "see through" the cockpit or airframe. Additionally, the helmet provides pilots night vision through the use of an integrated camera.**

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# Pikes Peak RC Hobbies

2126 East Boulder Blvd, Colorado Springs, CO 80909

Phone: 1-719-329-1600



## Upcoming RC Events:

- **Mar 2021 - PPRCC meeting - Location and time to be determined.**
- **Apr 2021 - PPRCC meeting - Location and time to be determined.**
- **May 2021 - PPRCC meeting - Location and time to be determined.**

