

Flight Feathers

The official publication of OneWingLowSquadron.org

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Drones at the Super Bowl

Now I'm a simple man, so when I saw all the drones behind Lady Gaga at the Super Bowl, I wondered how they got hundreds of drone pilots to coordinate such a feat. Did some research and voila ... Intel, of course. And here is the inside scoop:

Here's How Lady Gaga's Super Bowl Drones Worked

Alex Fitzpatrick - Feb 06, 2017

Lady Gaga's Super Bowl LI halftime show on Sunday had something many viewers had never seen before: Hundreds (300) of light-emitting drones flying in a synchronized pattern to show the American flag and, later, the Pepsi logo.

How'd they pull that off? It's thanks to an Intel technology called Shooting Star, which lets programmers design airborne light shows with swarms of drones. The same tech was recently used at Disney World.

Here's more on how Shooting Star works, via *Wired Magazine*:

Each drone is about a foot long square, weighs just over eight ounces, and sports a plastic and foam body to soften inadvertent impacts. They aren't as flashy as consumer quadcopters, which is just as well, because you're not supposed to notice them. Instead, you're supposed to notice the four billion color combinations created by the onboard LEDs, and the aerial acrobatics choreographed with meticulous coding.

Each drone communicates wirelessly with a central computer to execute its dance routine, oblivious to what the hundreds of machines around it are doing. The system can adapt on the, er, fly, too. Just before showtime, the computer checks the battery level and GPS signal strength of each drone, and assigns roles accordingly. Should a drone falter during the show, a reserve unit takes over within seconds.

Another fun fact: Intel had to tape the drone display well before the Super Bowl to avoid running afoul of airspace rules.

The Shooting Star system results in some pretty impressive light displays, but it could also be handy for other uses. Squadrons of coordinating drones with infrared cameras, for instance, could be used in search and rescue operations.



Source: <http://time.com/4661063/lady-gaga-super-bowl-drones/>

MEETINGS

FIRST
SATURDAY OF
THE MONTH

@ 11:00 AM

@ KENNYWORLD

**DUES ARE
OVERDUE!**

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**GIVE/SEND  
YOUR \$50 TO  
RON SANDERS**

## WISE OWLS

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PRESIDENT

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GEORGE FAVOR  
VICE PRES.

~  
RON SANDERS  
SEC./TREAS.

~  
ART SCHEURER  
SAFETY OFFICER  
& CONTEST  
DIRECTOR

## All Model Fun-Fly -- May 27<sup>th</sup> 2017 Commercial

*Hey guys! Check this out!*

Owls member, Jorge Velasquez, (CEO, World View Television) produced an exceptional commercial video for the upcoming Fun-Fly featuring our very own Secretary/Treasurer Ron Sanders.

<https://youtube/F2Gp0IS3TCc>

## The OWLS Nest Gallery



### Privy

Our newly remodeled privy has a fresh coat of paint thanks to Mike & Shaun. The addition of a window and battery operated light gives plenty of illumination for those who like to read while taking care of business. (Bring your own reading material.)



### Giant Stik

It was good to see my old Giant Stik in the air again. Ted now owns the plane. I had had a 120 on it with about 20 pounds of weight in the nose since it was so tail heavy. Ted replaced it with a gas engine and moved it forward to counter the balance. It flies great!



Shaun got this push/pull Cessna 337 from Jerry. With a .25 in front and a .15 in the rear, it flies great.



### Miss USA

George and Ted assist Art with his Canadian kit/built. Originally intended to be a tow plane, the weight of the plane itself it was difficult to find an engine that could handle it. But a Super Tigre S-2000 from George gets it in the air, albeit a slow flier.



Got Photos? Catch me at a meeting or send a copy to: [keukadiver@gmail.com](mailto:keukadiver@gmail.com)

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