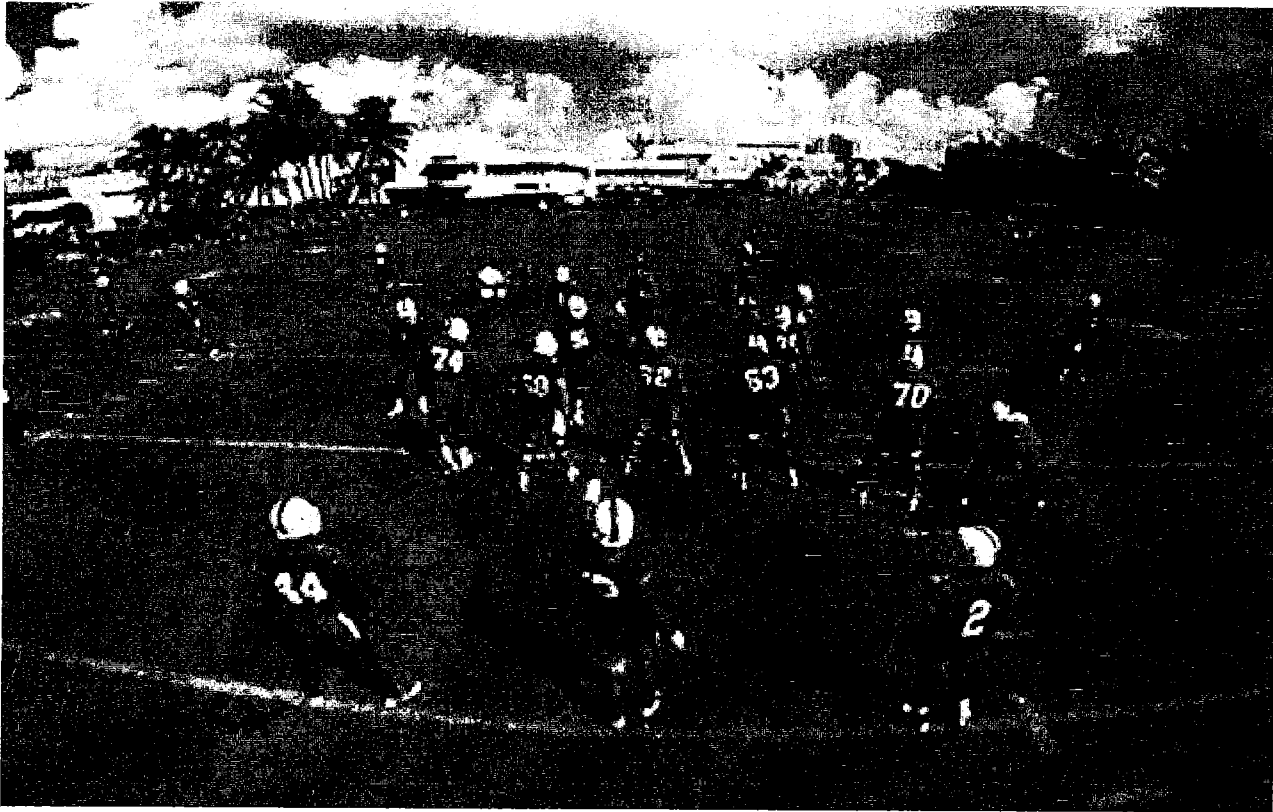


In this drone's eye view, Miami quarterback Brad Kaaya, front center, gestures before a play begins during an NCAA college practice in Coral Gables, Florida - AP Photo / Miami Athletics



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Nice!

Colleges use drones to help football players

By Tim Reynolds | Associated Press



With the help of an affordable \$500 toy, University of Miami football coaches and players are studying film like never before. The Hurricanes are [REDACTED]

[REDACTED] They study footage gleaned from its unusual vantage points along with what's filmed from traditional locations like sidelines and end zones.

Needs more give

"It's all about getting the players information they need so they can play fast and accurate," Miami coach Al Golden said. "This drone, in terms of quarterback play, I don't know if there's any other way to do it anymore."

helps practice better

Miami isn't the first to bring a drone into practices [REDACTED] made headlines last spring when it revealed it has embraced the drone point of view. Tennessee and Louisville are among the few other schools who are known to have [REDACTED] with the technology.

How many schools

Miami isn't just tinkering. [REDACTED] are planning to acquire more and better ones soon. It will soon be part of Miami's

How many schools

recruiting pitches.

I always thought they were the best

"We've always been behind in sports when it comes to technology," Miami offensive coordinator James Coley said. "Coaches don't like change. Nobody does this, not the way we do this."

Coley said he started seriously thinking about bringing a drone into practice this summer. He was on vacation in the British Virgin Islands and noticed one of the small devices hovering about.

He ordered a drone and the Hurricanes put it into regular use starting in September, and it's perhaps not a coincidence that Brad Kaaya — the team's new freshman quarterback — has been making better decisions ever since.

"When you see from the drone's point of view, you get a complete panoramic view of the field," Kaaya told The Associated Press. "You see what I'm seeing. You see the whole field better and then it's easier to show coaches what I was thinking at any given moment."

The drone, which gets moved to show numerous angles in each practice, sometimes shows some of the most interesting moments.

Players have been known to gesture wildly at the drone after making a big play. Kaaya had to learn to get used to having a machine buzzing.

"It's like rabid bees," he said.

And during the week where Miami prepped for Duke, a higher-powered drone than what Miami uses was spotted at practice.

"I was thinking it was Duke," Kaaya said. "They're pretty smart over there."

It wasn't Duke, and spying isn't permitted under NCAA rules.

"It's close enough to the action, but you can see what's going on in the whole field," Kaaya said. "Every year, every college is looking to reinvent the wheel."

with new ways, new technology. It's not that they're better than us, it's that they're different.

Critical thinking challenge: What is the drone's "point of view" and how is it different from other points of view?

Be useful

Glad since they were behind

if helps with com.

WHAT MOMENTS!?!?

traction

A useful prank? shut down the spy? opp.

seems fair

Definitely

More drones in the sky spells trouble for airplanes

By Associated Press, adapted by Newsela staff on 11.18.14
Word Count 583



In this March 12, 2014, file photo, Brian Wilson launches a small drone equipped with a video camera to fly over the scene of an explosion that leveled two apartment buildings in the East Harlem neighborhood of New York City. Photo: AP/Mark Lennihan, File

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WASHINGTON — ~~More than a million~~ ^{This use popular drone} drones have been sold in the past few years. The small pilotless planes are also called unmanned aerial vehicles (UAVs). Some are piloted by onboard computers. ~~Others are controlled by a person on the ground with a remote control.~~

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A growing number of the unmanned planes are turning up in the skies near airports and airliners. The risk of a crash is getting higher also.

↑ How can they see what's going on?

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~~Drones have been seen near planes, helicopters and airfields. Air officials receive reports each day.~~

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The number of reports have shot up since two years ago. Drone reports were still unusual then.

↑ Dangerous

They Can Be Trouble

Many of the reports are filed with the Federal Aviation Administration (FAA) by airline pilots and airport workers. The FAA is in charge of the nation's skies.

The reports show how hard it is for the FAA to control drones. They can cause a crash if they hit a plane or get sucked into a plane's engine. Drones are difficult for air traffic controllers to see on radar. They can be especially hard to see if they are made out of plastic.

↑ They're made from plastic

The FAA does not allow drones to be used by most businesses. The rules have been ignored. Real estate agents use drones to take overhead pictures of houses for sale. Farmers fly them to check their crops. Rules to let more businesses use drones are being talked about.

↑ Dangerous! Helped pilot choose house

"It should not be a matter of luck that keeps an airplane and a drone apart," said Rory Kay. ~~He is a pilot and expert on air safety.~~ "So far we've been lucky."

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Hard To Chase Down

↑ that's why crash so not lucky

The FAA requires that people flying drones and model aircraft must fly under 400 feet in altitude. They must keep the drone in sight and fly it at least 5 miles away from an airport.

Jim Williams heads the FAA drone office. In March, he caused a stir. He told a group of drone makers that an airplane nearly crashed into a drone over Florida. The pilot reported a camouflage-painted drone at about 2,300 feet. The FAA has not been able to find the drone or the person flying it.

Some Other Recent Near-Misses

— Pilots flying at 10,000 feet saw a drone less than 500 feet above their plane. It was moving toward an airport in Pennsylvania. The drone was about 5 feet to 6 feet long.

↑

— Air traffic controllers in California received a report from a helicopter pilot. The pilot spotted a camera-equipped drone flying near the giant Hollywood sign in Los Angeles.

— Controllers in Florida received a report from pilots who spotted a drone below their plane. The drone was described as being red and blue. It was not seen on radar.

— Pilots reported spotting a drone up to 1,000 feet away while landing at a South Carolina airport. The drone was described as the size of a large bird.

— A 5-foot-long drone with a camera crashed near Dallas Love Field airport in Texas. Police are looking for the person who was flying it.