



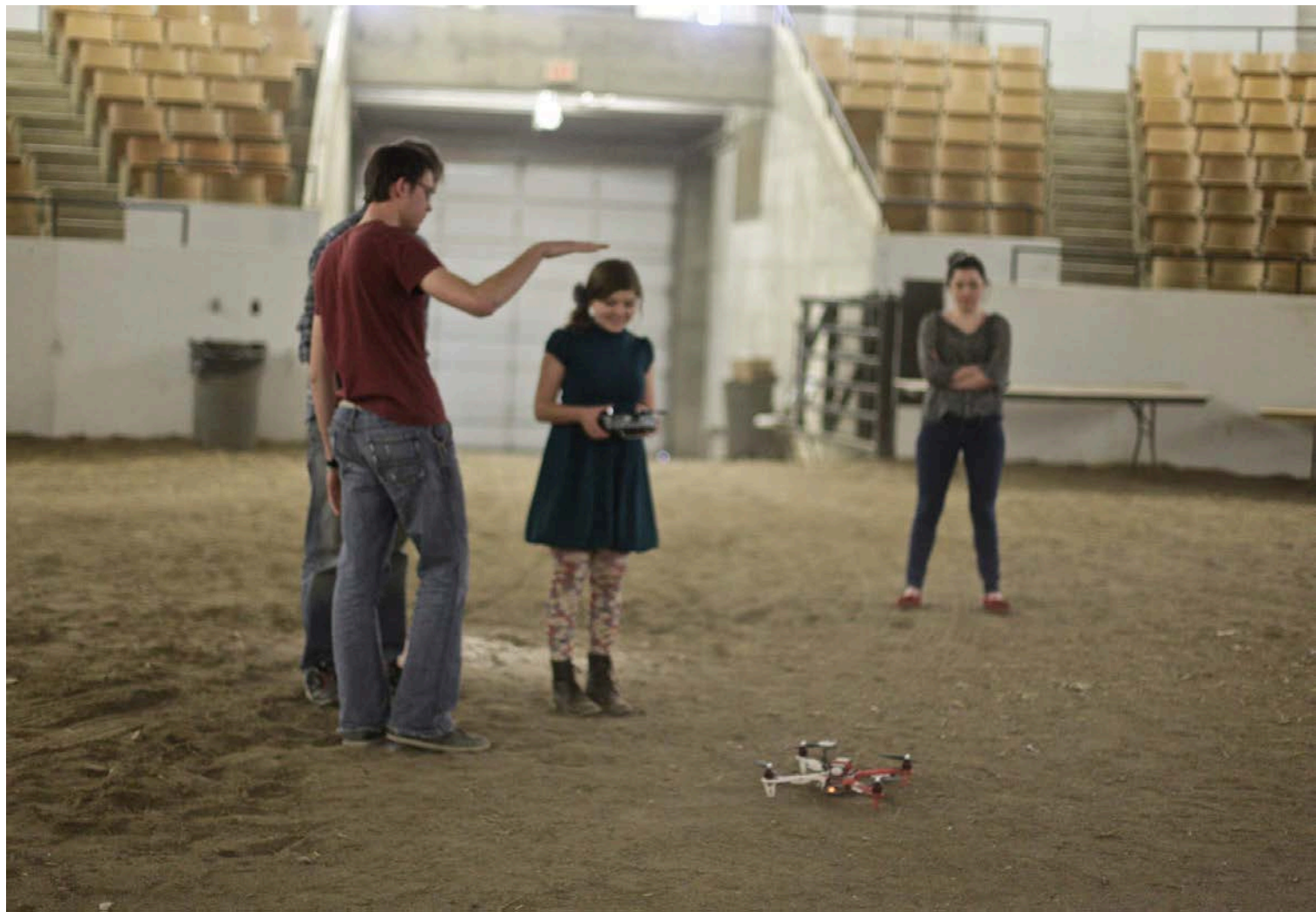
We
Robotics
Global

Sally French

Wall Street Journal

**Aerial Robotics and Social Good
Solutions**

@WeRobotics







Bell Jet Ranger Helicopter, commonly used for news reporting



\$700K-1.2 million
initial cost

+


\$649/hour



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Yuneec TYPHOON Flight Aerial Videography Hexacopter in Color Box Surveillance Video Quad, Black (YUNTYHBUS)

by Yuneec

\$999⁰⁰ 

Get it by **Wednesday, May 31**

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Autel Robotics X-Star 4K Camera, 1.2-Mile HD Live View Drone with 1 Autel Robotics Battery(Li-Po with 4900mAh, 14.8V) and...

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\$899⁰⁰ 

In stock on June 5, 2017

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\$899.00 new (3 offers)

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DJI Phantom 3 Standard Quadcopter Drone with 2.7k Video Camera HD Video Recording + Genuine Propeller Guards + Self-tightening...

by Digital&More

\$509⁹⁵

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Good Morning America



Covering Protests

Photos from 2013
protests in Bangkok,
Thailand over former
Prime Minister
Thaksin Shinawatra



28,000

-Number of people at primary protest, according to news reports





The Nation

zi

**But how can people use
drones to FIND the story?**

Drought



Erosion



Investigative Journalism

Dallas Meat-packing plant:

"I was looking at images after the flight that showed a blood red creek and was thinking, could this really be what I think it is? Can you really do that, surely not?"

EPA, TCEQ, and Texas Parks and Wildlife executed a search warrant.



Los Angeles Drought: Mayor caught watering lawn

-Due to severe drought, LA passed law limiting when lawns could be watered

-NBC sent intern to climb up a tree and gather video of lawn being watered at night

*Used a human to gather images

“The back yard sprinklers have been running on Tuesday night at (2 a.m.), at Saturday night at (2 a.m.). We have pictures of it,” Grover told the mayor.

“Pictures of my back yard?” Villaraigosa said.

“Yes,” Grover said.

“From where?” Villaraigosa said.

“From our cameras,” Grover said.

“From your cameras,” Villaraigosa said. “Well, we’ll check into it.”

“Will you get back to me?” Grover said.

“Yes,” Villaraigosa said.

We can air drone footage of the Los Angeles mayor's backyard.

But what about a private citizen's backyard?

**Now to turn
the tables...**







Marshalltown Tim...

The FAA banned drones from flying at the Standing Rock oil pipeline ...

Recode - Nov 28, 2016

This weekend the U.S. **Federal Aviation Administration** issued a temporary flight restriction over the **Standing Rock** oil pipeline protest in North ...

Oil pipeline: Trump's stock in company raises concern

Marshalltown Times Republican - Nov 25, 2016

[View all](#)



Flight Restrictions Over Standing Rock: Is The FAA Effectively ...

Forbes - Nov 27, 2016

UPDATE: **FAA** Statement on **Standing Rock** TFR and access to **drone** journalists. The **Federal Aviation Administration** carefully considers ...



With phones and drones, capturing Standing Rock images the ...

ConsumerAffairs - Dec 20, 2016

Though **drone** photographers at **Standing Rock** have complained for ... also requested from the **FAA** and was subsequently granted several ...



footage courtesy of Drone

Police Shoot Down Aerial Drones Over Standing Rock Demonstration

The Real News Network - Oct 31, 2016

Protesters and protectors say the shootings of **drones** are aimed at undermining reporting on #NoDAPL. ... Police Shoot Down Aerial **Drones** Over **Standing Rock** Demonstration REGIS FERLAND: The **FAA** No Fly Zone was enacted today over District Courts Continue to Challenge Trump's Travel **Bans**.



Feds close airspace over pipeline protest

Minnesota Public Radio News (blog) - Oct 26, 2016

The **FAA** is closing airspace because of a news story that's happening on the ground.



This weekend the U.S. Federal Aviation Administration issued a temporary flight restriction over the Standing Rock oil pipeline protest in North Dakota, banning all aircraft except those flying in support of law enforcement. The FAA will make exceptions for journalists as long they get special approval beforehand.

Drones have been used to capture footage of police clashes with protesters attempting to block the Dakota Access Pipeline, which is being built a half-mile from the Standing Rock Sioux reservation and would cross under the Missouri River at Lake Oahe — the tribe's main source of drinking water.

Earlier this month drone footage of protesters being sprayed with water cannons in freezing weather went viral, but it was taken before the FAA ban. Now drone videographers are not allowed to collect aerial video of the ongoing protest at the campsite until Dec. 2, when the ban lifts. The FAA requires journalists to go through a process to get approval to fly a drone during the ban, yet it's hard to predict when a newsworthy confrontation between police and protesters will occur. No requests from media have been granted yet, according to an FAA spokesperson.

Drone journalism:

- Accessible, cheap and easy to fly

- Footage of breaking news situations is often shot by non-journalists, then sold to TV stations

- Often gathered by people who use drones for other purposes, including activism, public policy, environmental studies

