

DRONES

SUSAN HENNEBERG



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Chapter 1
FIRE AND ICE

It is dark out.

But you can see a red glow.

Boom!

Fire shoots up. Sparks fly.

Hot lava flows down a sheet of ice.

It is a *volcano*.

It is erupting in Iceland.

Iceland has many volcanoes.
They *erupt* often.
The lava is hot. It burns the land.
It makes ice melt.
That is a problem.
Mud flows. Towns flood.
Houses fall. People have to move.

People want to know more.
But no one can get close.
The lava is too hot.
The air is bad to breathe.





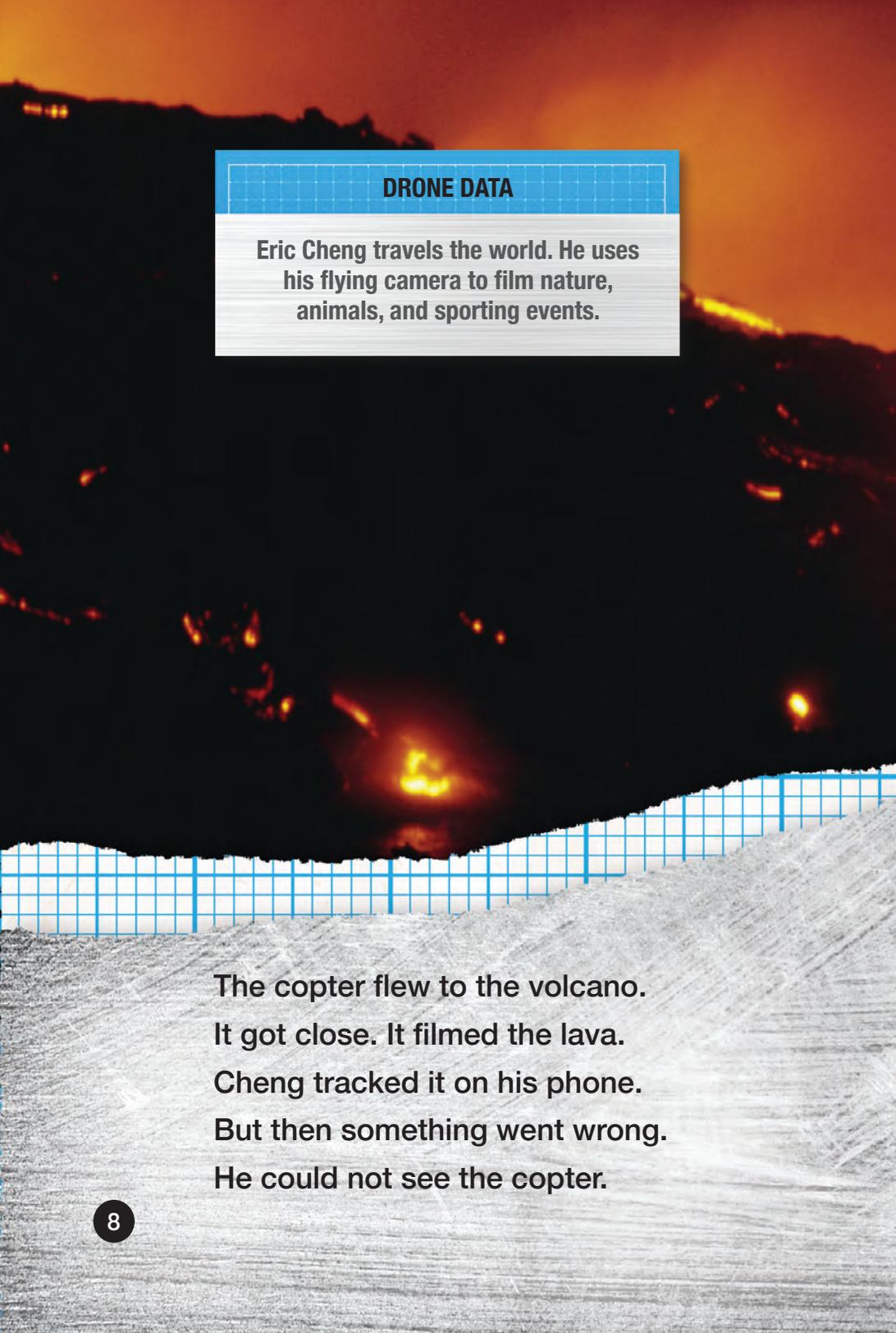
ICELAND





Eric Cheng flew to Iceland in 2014.
He had an idea.
People could not get close to the volcano.
But he had something that could.

Cheng drove near the volcano.
Then he hiked in closer.
He wore a gas mask.
The air was bad.
It was full of hot dust.
He sent up a small *helicopter*.
It had a camera on it.



DRONE DATA

Eric Cheng travels the world. He uses his flying camera to film nature, animals, and sporting events.

The copter flew to the volcano.
It got close. It filmed the lava.
Cheng tracked it on his phone.
But then something went wrong.
He could not see the copter.



Cheng waited.
Then he heard a sound.
The copter came back.
The camera had melted.
But the SD card was fine.
The film was safe.
Cheng had video of the volcano.
He could show it to others.

DRONES

What if you could see from the sky?

What is a UAV?

What if someone was watching you?

How do drones know where to go?

How would you use a UAV?

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