

# The SCIENCE of MOVIES



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## Chapter 1

# ON THE EDGE OF OUR SEATS

Sirens blare.

A building is on fire.

Smoke pours out.

Firefighters go in.

They hear a noise.

It came from behind a door.

Someone may be trapped.

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Out comes an ax.  
They break the door down.  
The fire howls.  
There is no time to move.  
*Boom!*  
Smoke shoots out.  
*Whoosh!*  
A ball of fire rolls behind it.  
Look out!  
A firefighter is in its path.  
He goes flying.

Flames fill the room.  
They head for steel tanks.  
The tanks explode.  
Red sparks fly.  
The floor drops.  
A firefighter goes with it.  
Oh no!



It's okay.  
There is no need to worry.  
This is a movie.  
The flames are real.  
But no one is hurt.  
How?  
**Science** made it happen.







## Chapter 2

# MOVIES GET THEIR START

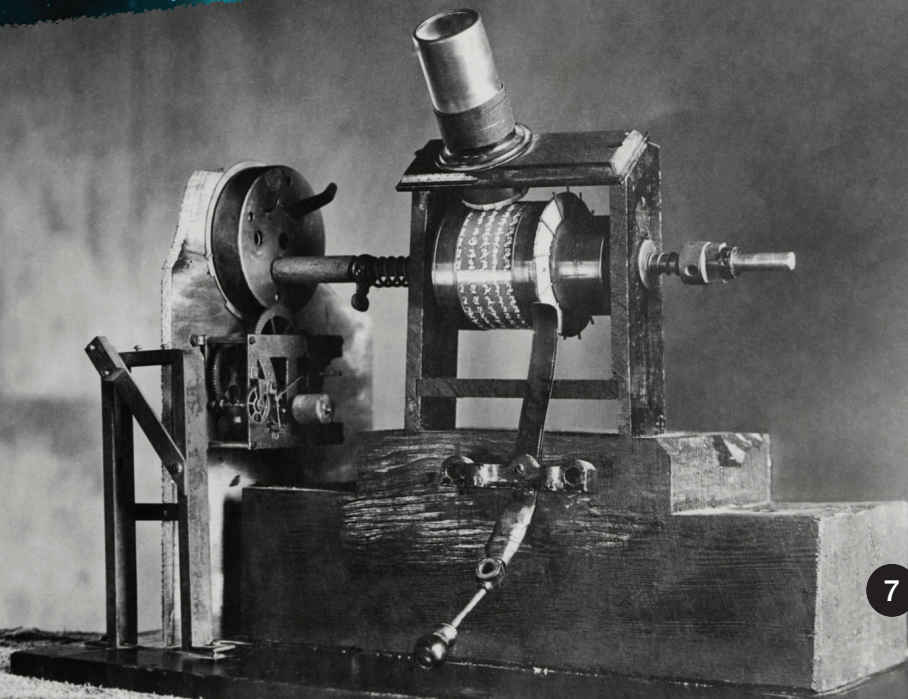
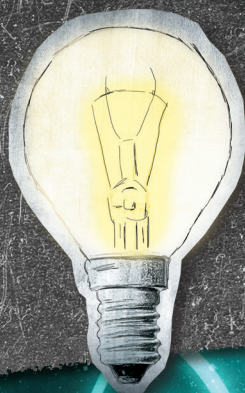
Science and movies go way back.  
Thomas Edison was an inventor.  
He had big ideas.  
The lightbulb was one.  
Another was the *phonograph*.

It was the 1890s.  
Edison made a machine.  
This was the *Kinetograph*.  
It worked like a camera.  
But it was faster.  
The pictures seemed to move.  
Movies got their start.

Edison wanted to show movies.  
He made the *Kinetoscope*.



It had a window.  
A person looked through it.  
The pictures moved.  
People loved it.  
But it was a show for one.







*“He ran away!”*

Other inventors saw this.  
They made the projector better.  
It used a large screen.  
Many people could watch.

The first movies were silent.  
The story was read aloud.  
Or it was written on cards.  
The cards were on the screen.  
They were part of the movie.





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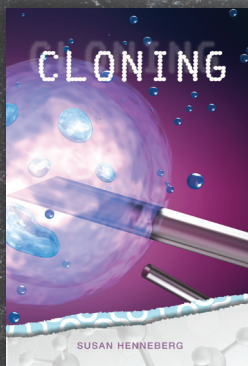
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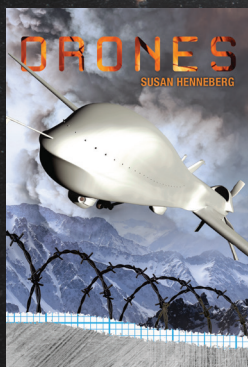
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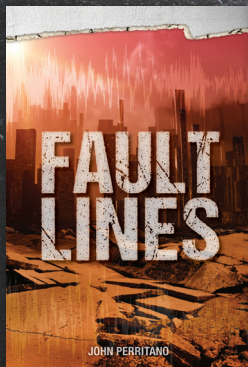
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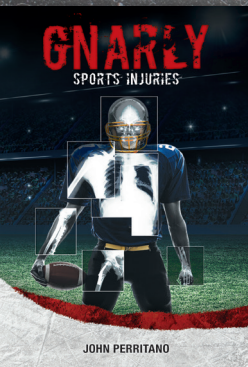
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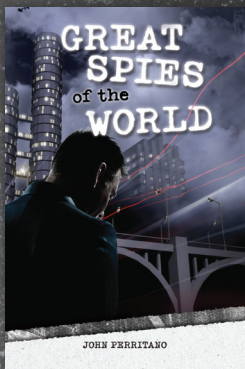
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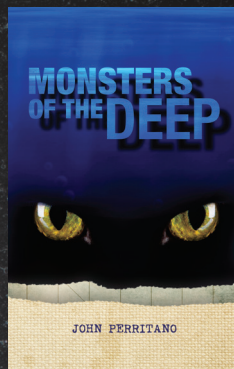




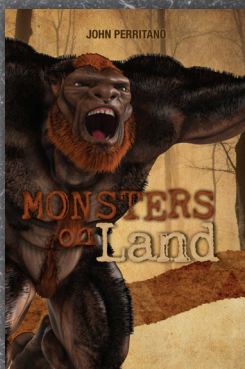
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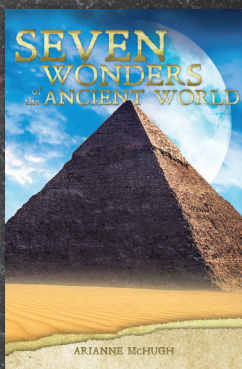
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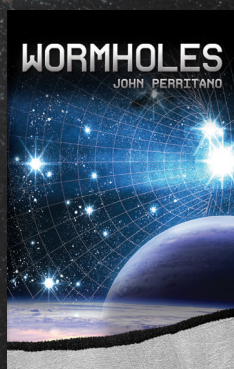
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MORE TITLES COMING SOON



# The **SCIENCE** of **MOVIES**

How did Edison help movies get started?

What was Technicolor?

How do 3-D glasses work?

Who was Dar Robinson?

Has a movie ever amazed you?



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