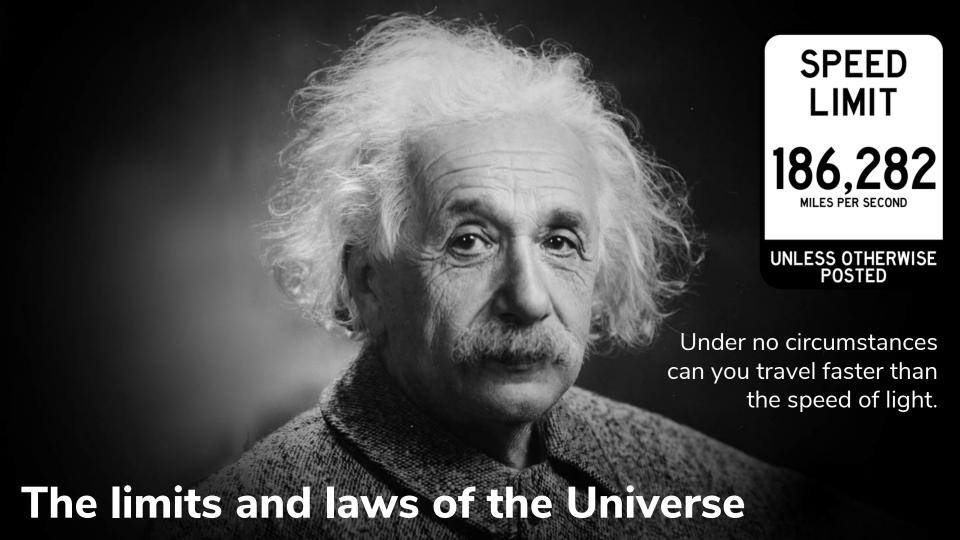
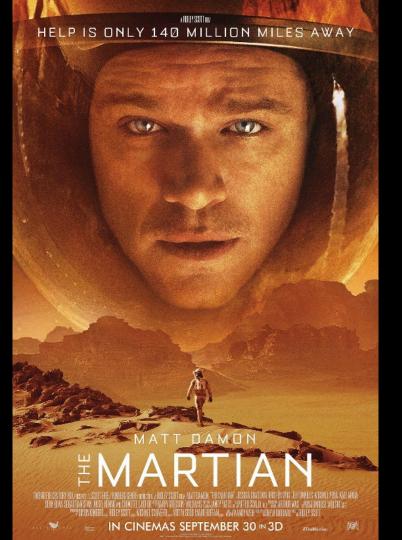




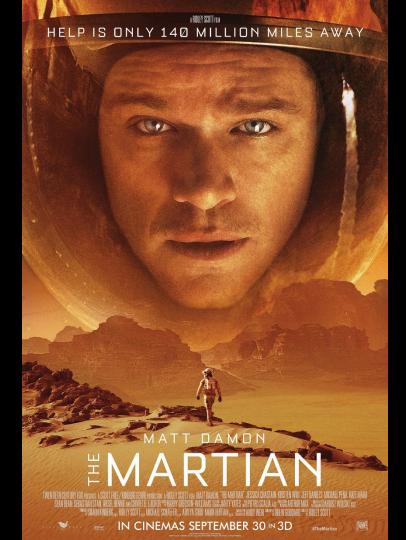


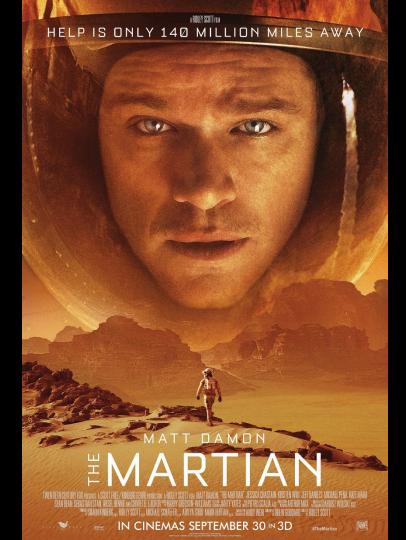
HANKS BACON PAXTON SINISE "Houston, we have a problem." APOLLO 13 SESRITA RYACK ASS'ALDRIC LA AULI PORTER MICHAEL BOSTICK

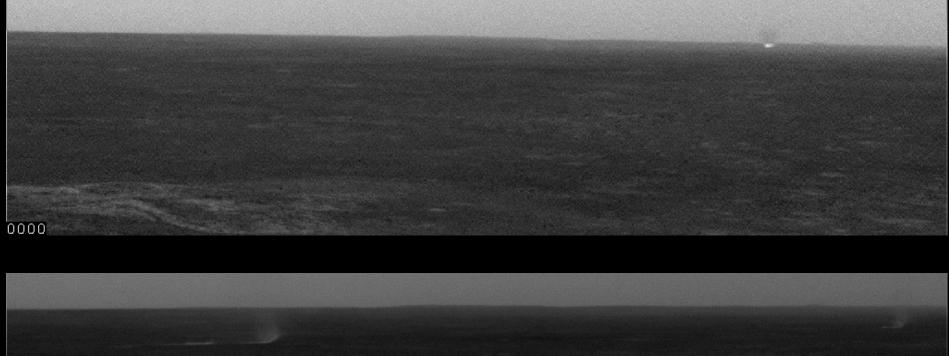










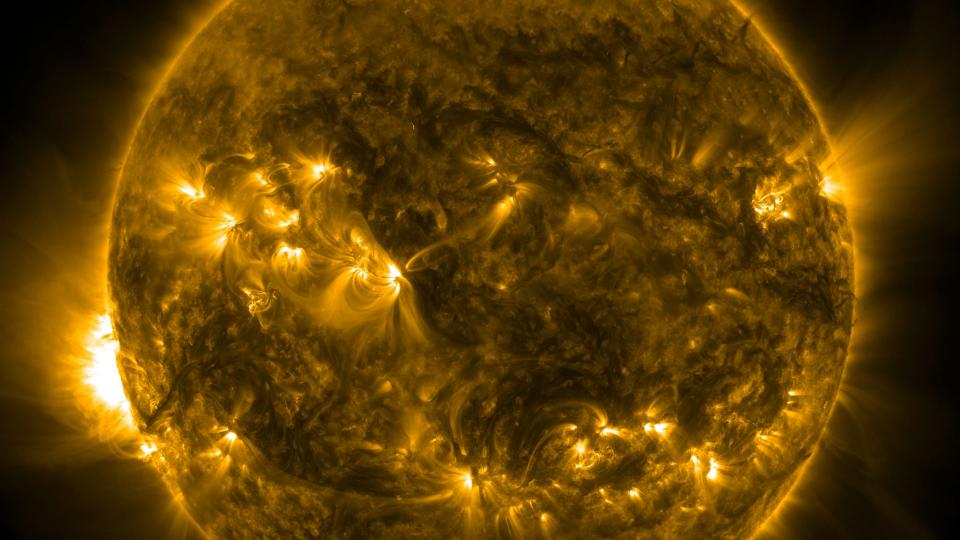




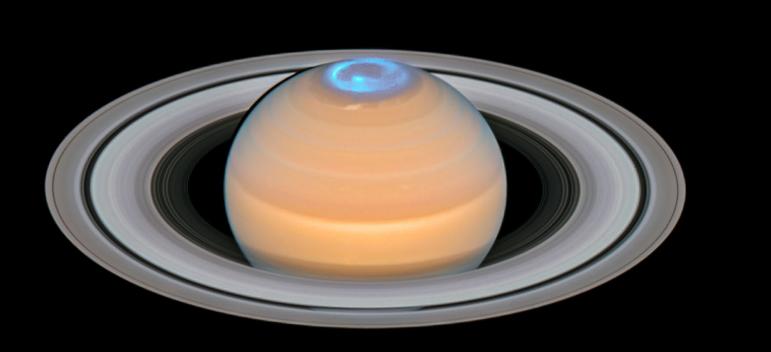


Transport





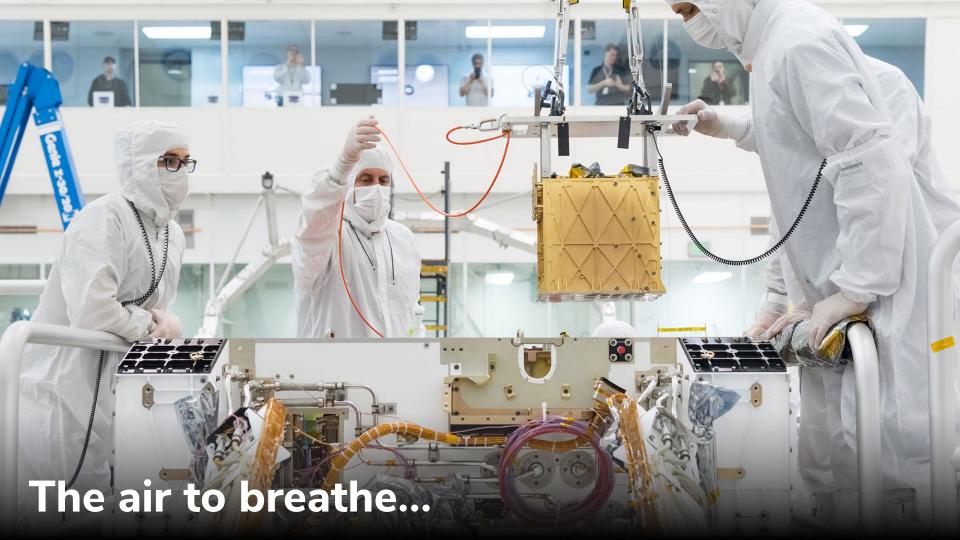






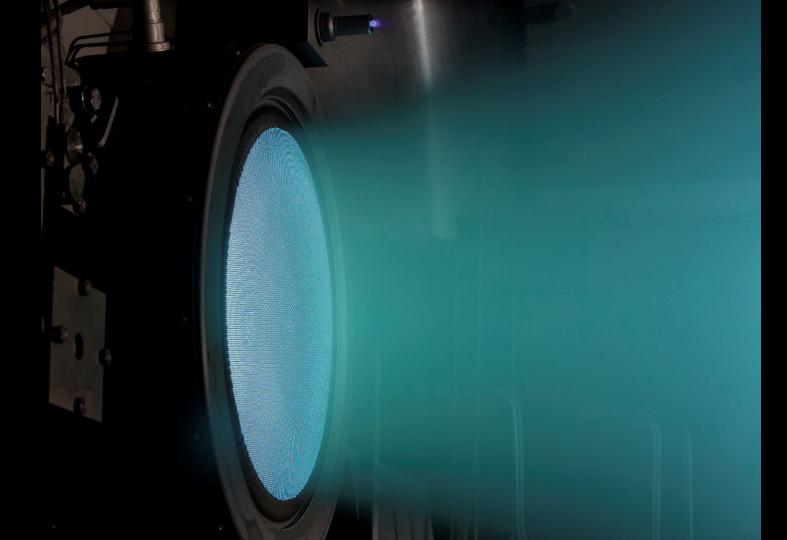
The Problem of Food





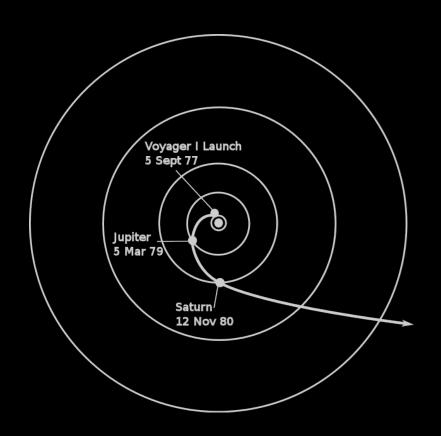
The Hermes





Gravity Assists/Flyby









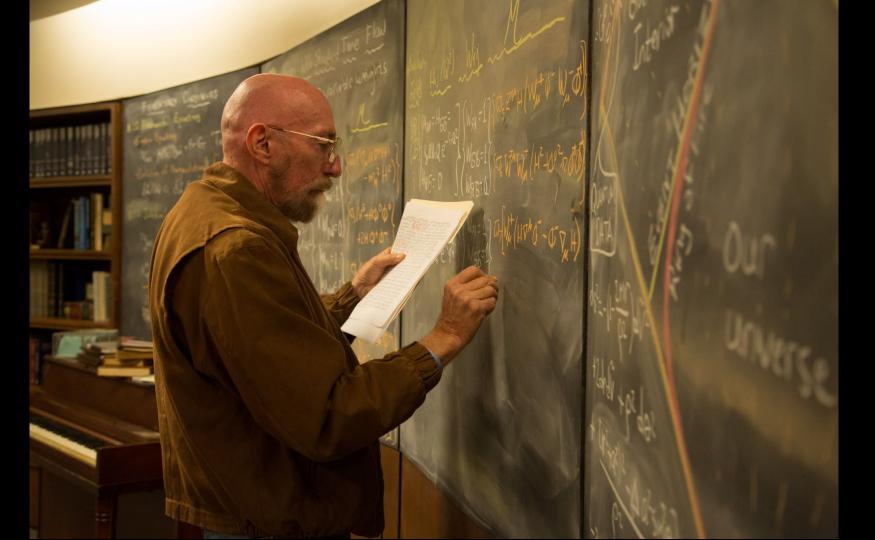
- Earth

McCONAUGHEY MICHAEL AND CAINE HATHAWAY CHASTAIN E END OF EARTH WILL NOT BE THE END OF US.

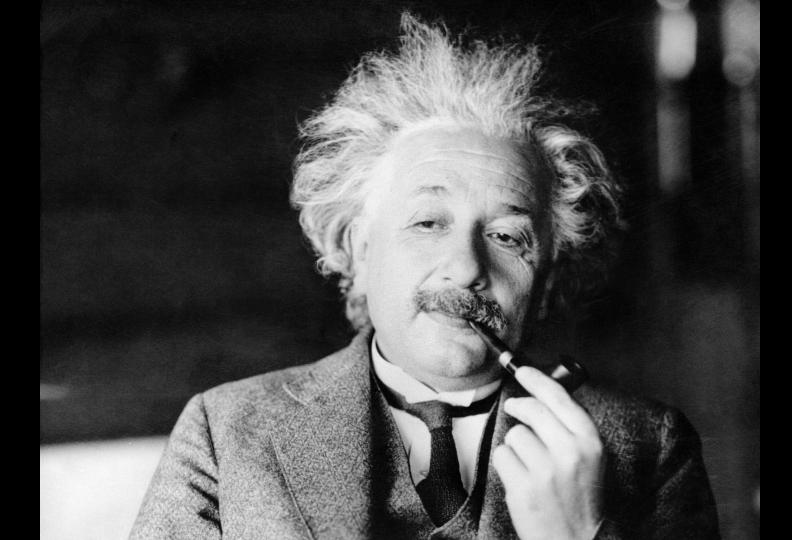
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EVERYWHERE
NOVEMBER 7

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A PILMEBY CHRISTOPHER NOLAN. INTERSTELLAR PARAMATER THE THE SAMPLING REPORT TO THE SAMPLING BY A PETTING ASSOCIATION OF THE SAMPLING REPORT TO THE SAMPLING IN THEATRES AND IMAX
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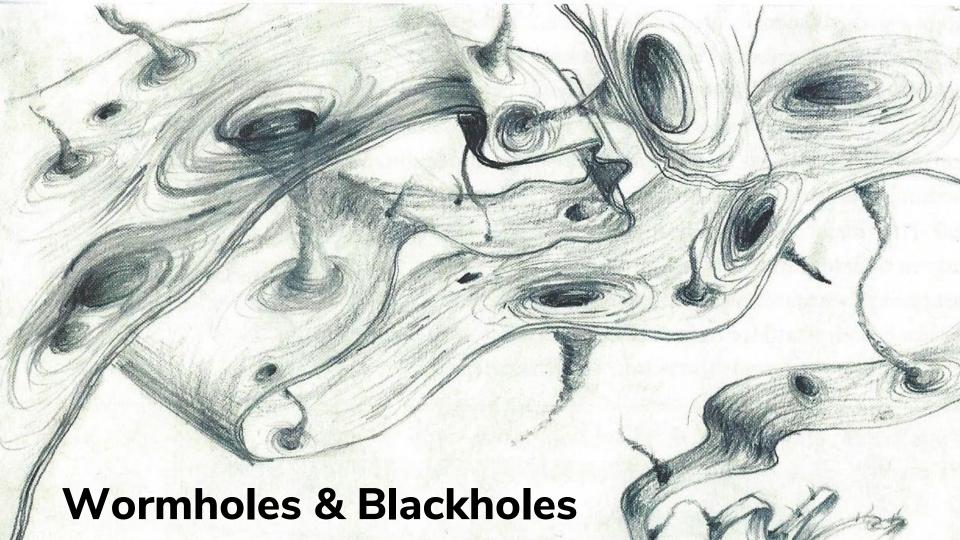






Higher Dimensions

- We "experience" a four dimensional world:
 - Three dimensions in space
 - One dimension in time
- But what's to say there aren't other dimensions which we can't experience
 - String theory says there could be as many as 26!







Event Horizon Telescope (EHT)

A Global Network of Radio Telescopes





2017 April 11

2018 April 21



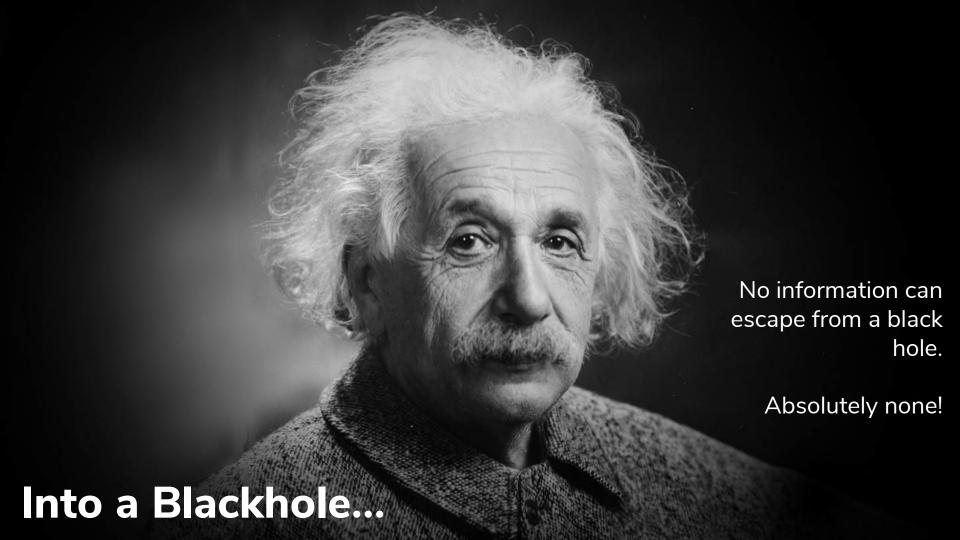


Long Duration Space Travel

- Sending humans anywhere beyond Earth takes a long time
 - You need to slow down the bodies metabolism
 - Reduces the need for food
 - Slows aging
- Therapeutic hypothermia

Mars500





SPOILER ALERT: This book explains the fantastic climax and ending of Interstellar

THE SCIENCE OF INTERSTELLAR

KIP THORNE

FOREWORD BY CHRISTOPHER NOLAI



