

Image Processing

...Or The Influence of Imagery on Perception, Understanding and Personality

Don Levy
Smith Brook Farm Consulting
Consultant & Visiting Scholar
@dblevy

A Graphic Celebration

How Did We Get Here?

Where are We Going?

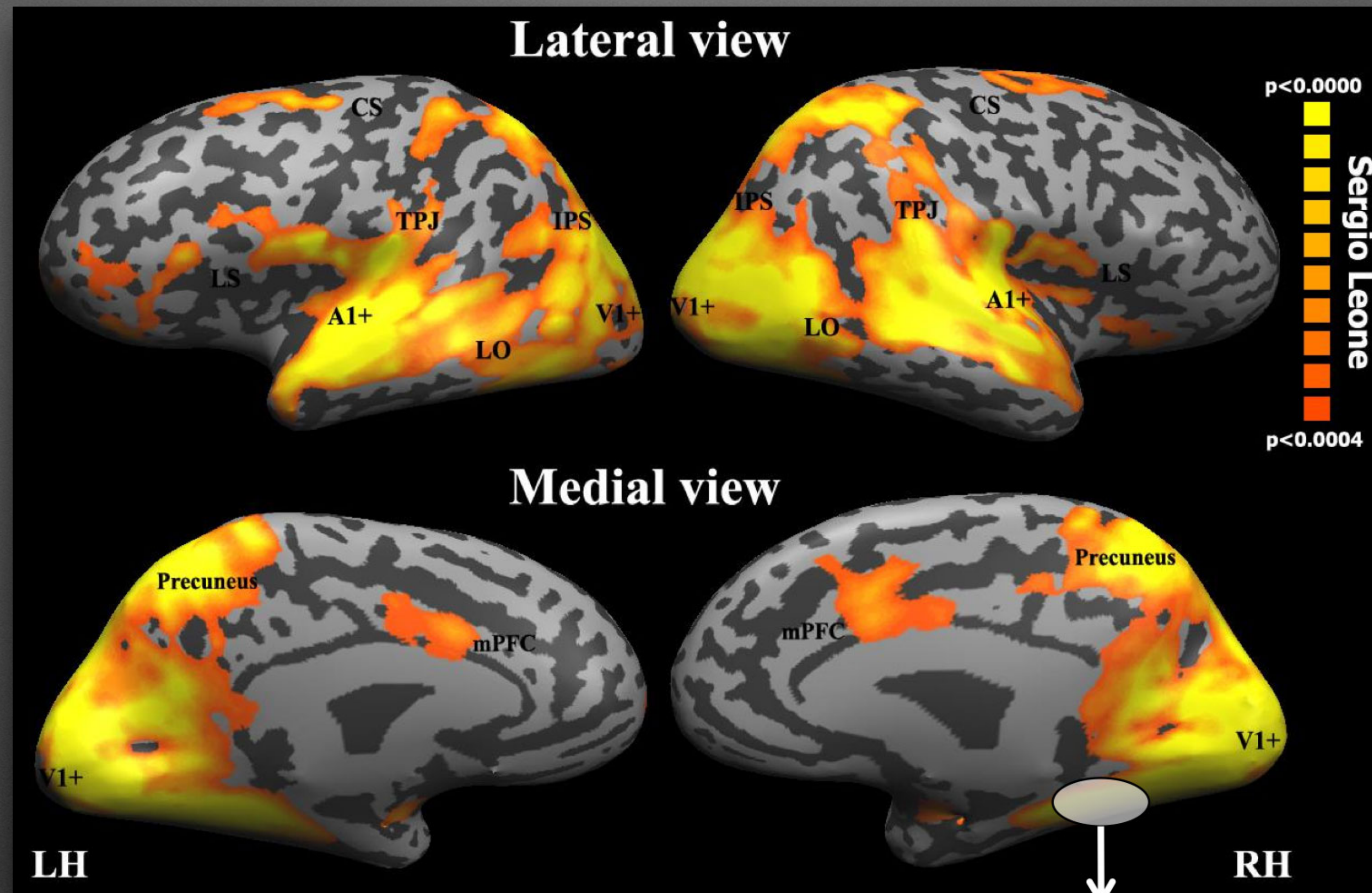
(...and Are We There Yet?)

“All we have to believe is our senses: the tools we use to perceive the world, our sight, our touch, our memory. If they lie to us, then nothing can be trusted.”

-Neil Gaiman, American Gods

We live in a visual world

**If seeing is believing, does it
matter what we see?**



This is Your Brain at the Movies

Random Scenes

Random
Thoughts

Washington Square Park
(segment of reality)

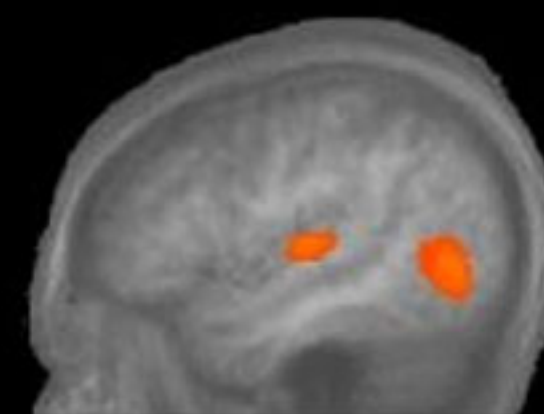


Image Speed



Hearing

A Millionth of A Second



By David Benbennick (took this photograph today) [GFDL (<http://www.gnu.org/copyleft/fdl.html>), CC-BY-SA-3.0 (<http://creativecommons.org/licenses/by-sa/3.0/>) or CC BY-SA 2.0 (<http://creativecommons.org/licenses/by-sa/2.0/>)], via Wikimedia Commons

Life Dependencies

A FANTASTIC AND SPECTACULAR VOYAGE...
THROUGH THE HUMAN BODY...INTO THE BRAIN.

STARRING
Stephen Boyd
Raquel Welch
Edmond O'Brien
Arthur Kennedy

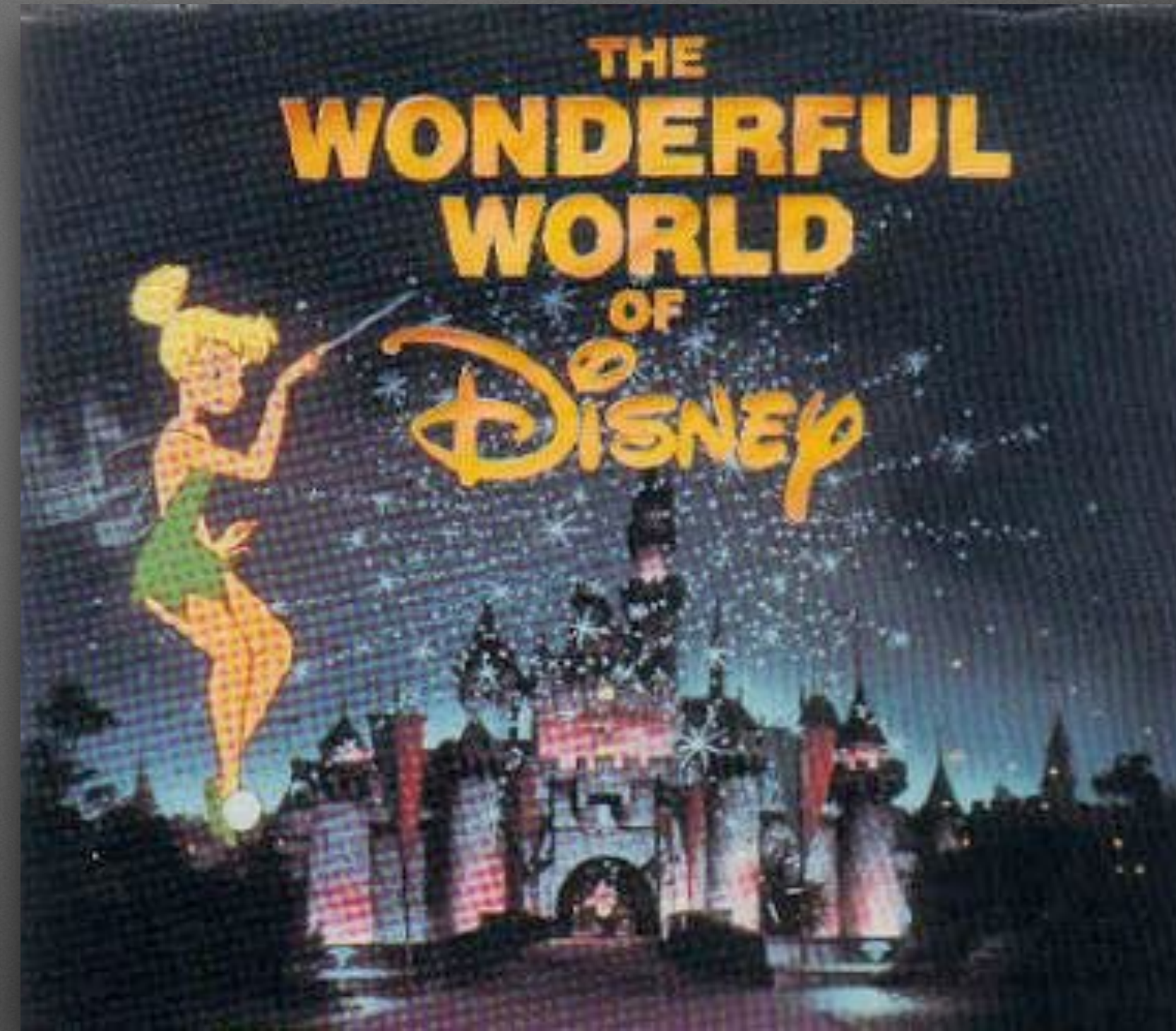
fantastic voyage



PRODUCED BY SAUL DAVID
DIRECTED BY RICHARD FLEISCHER

CinemaScope, Color by DeLuxe.

20th
CENTURY-FOX



Metro-Goldwyn-Mayer
and CINERAMA present
a GEORGE PAL Production

LAURENCE HARVEY
CLAIRE BLOOM
KARL BOEHM
WALTER SLEZAK
OSCAR HOMOLKA
BARBARA EDEN

YVETTE MIMIEUX
RUSS TAMBLYN
JIM BACKUS
BEULAH BONDI
TERRY THOMAS
BUDDY HACKETT
DAVID P. HARMON - CHARLES BEAUMONT

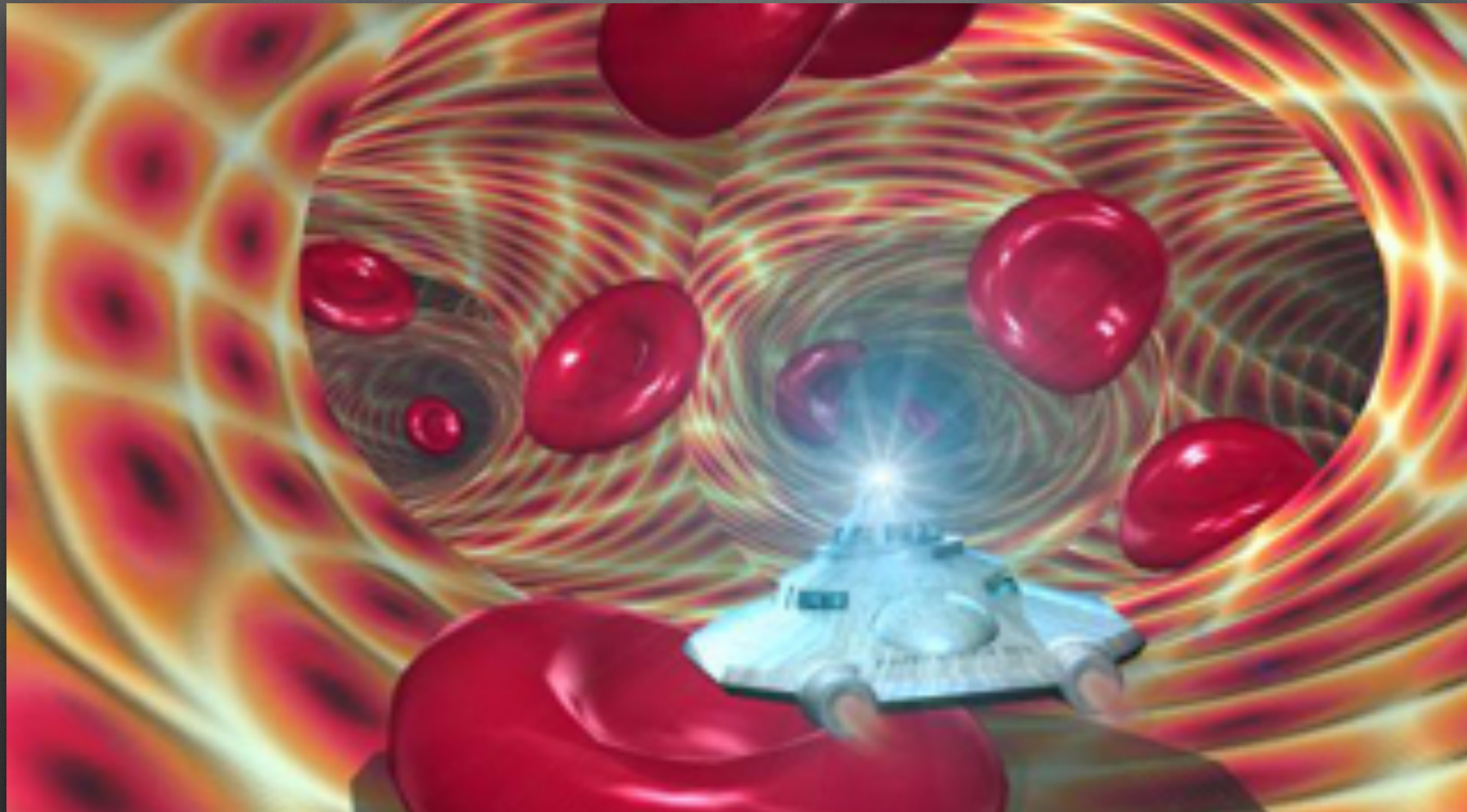


THE WONDERFUL WORLD OF THE BROTHERS GRIMM

Technicolor

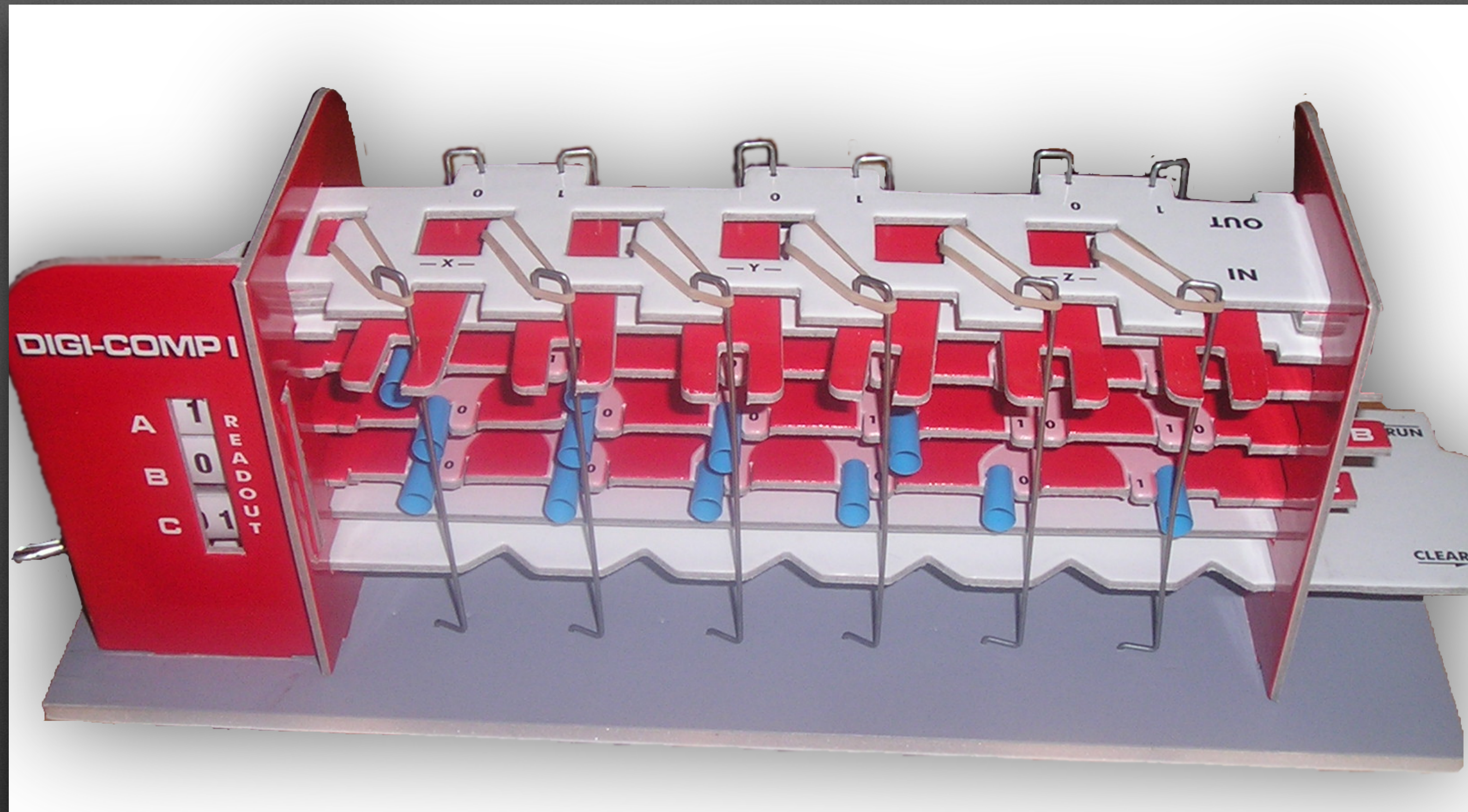


Hear The New Song Hits!



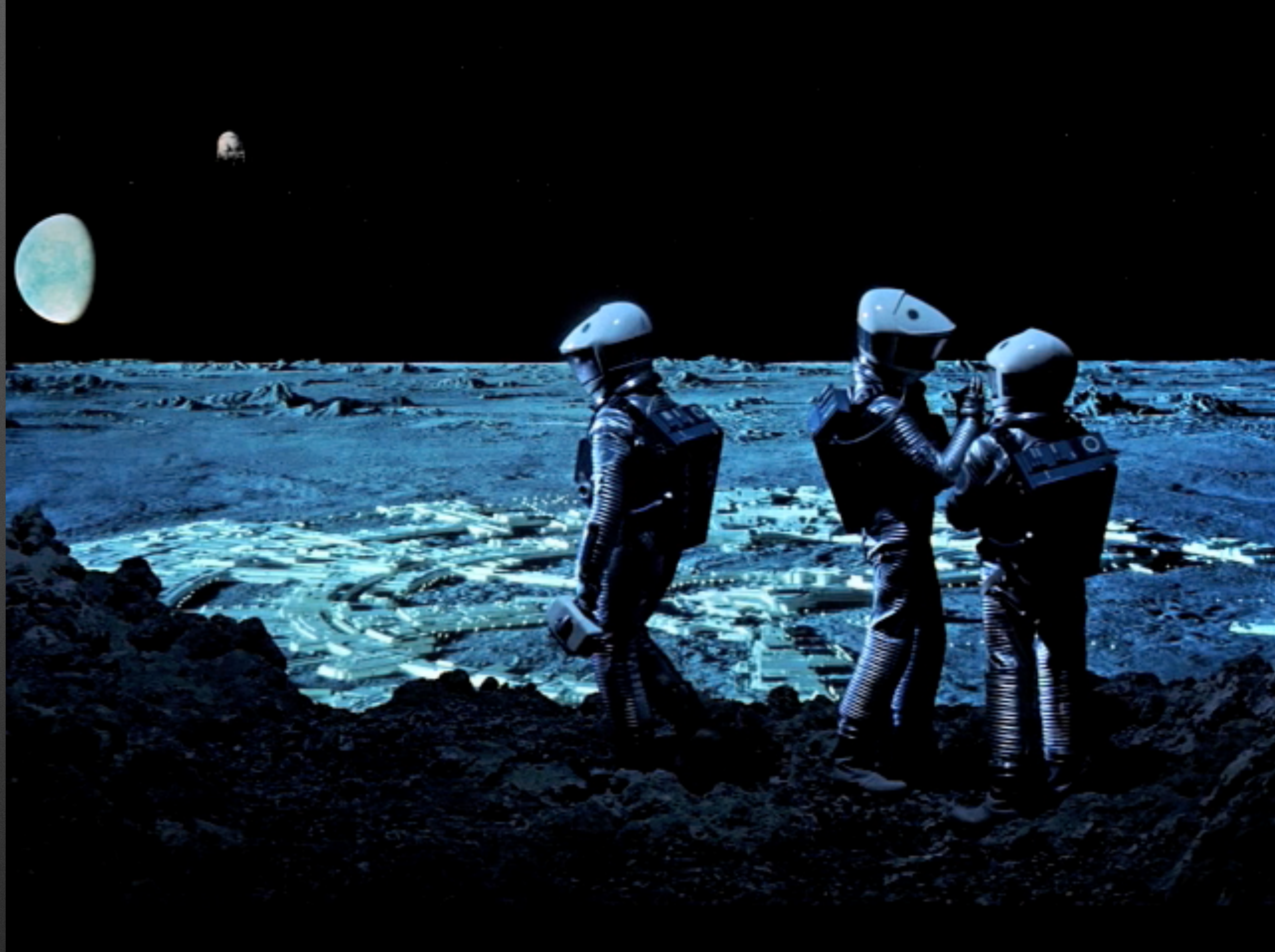
I remember when I was little, I watched a movie *The Fantastic Voyage*.
...hard to believe that it could actually become a reality at some point in
my life time!

Retinal Specialist, speaking of Nanotechnology today



My First Computer

The Digi-Comp





Anything is Possible

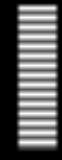
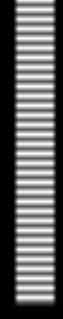
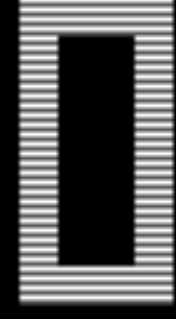
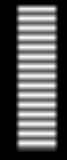


A FILM BY CHRISTOPHER NOLAN

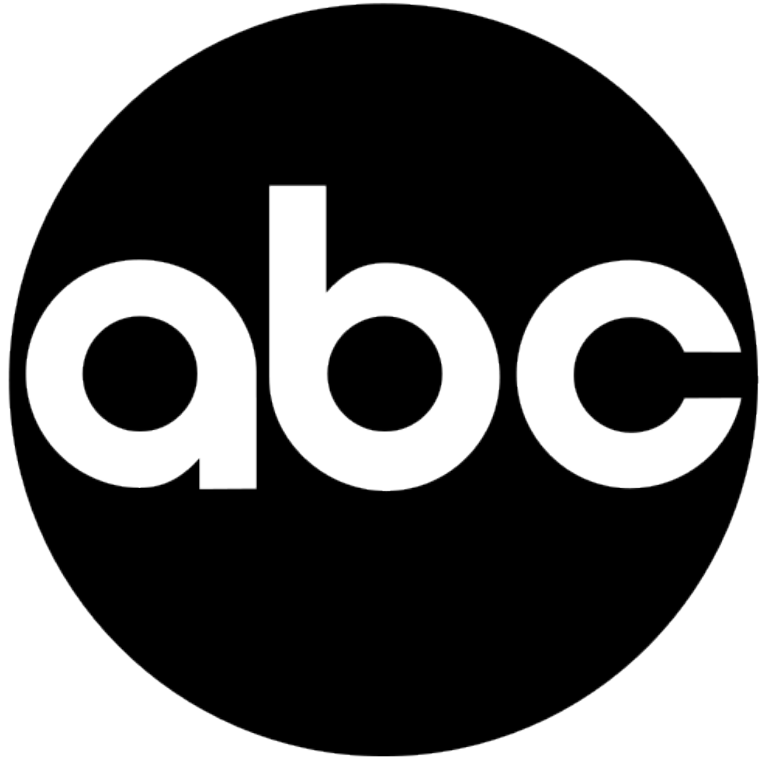
INTERSTELLAR

LEGENDARY

WARNER BROS. PICTURES PRESENTS
AN INTERSTELLAR FILM BY CHRISTOPHER NOLAN







A Simpler Time

**Ordered +
Structured =
Common Perception**

- Reality
- Virtual Reality
- Distorted Reality

Upside Down



Source: www.elsevier.com/locate/ynimg NeuroImage 30 (2006) 1383 – 1400
The time course of visual word recognition as revealed by linear regression analysis of ERP data

O. Hauk,* M.H. Davis, M. Ford, F. Pulvermüller, and W.D. Marslen-Wilson

“Do You Want To Build A Snowman?”



 Reset



Now let's repeat it 8 times to make a beautiful snowflake!

Blocks

Assemble your blocks here:

move forward by 100 pixels

turn right by 45 degrees

turn left by 45 degrees

repeat 8 times
do

create a snowflake branch

set color 

set color random colour

```
when run
repeat 8 times
do
  create a snowflake branch
  turn right by 45 degrees
```



How About a Strawman?

A New Brain

- Man and Machine
- Separating Fact & Fiction
- Digital Literacy

**Imagination Today
Life Tomorrow**

@dblevy

THANK YOU!

Don Levy

smithbrookfarm.com

don@smithbrookfarm.com
[@dblevy](#)



Smith Brook Farm
Growing Ideas, Naturally
smithbrookfarm.com