Digital Cinema at 25

The Origins of the Digital Revolution

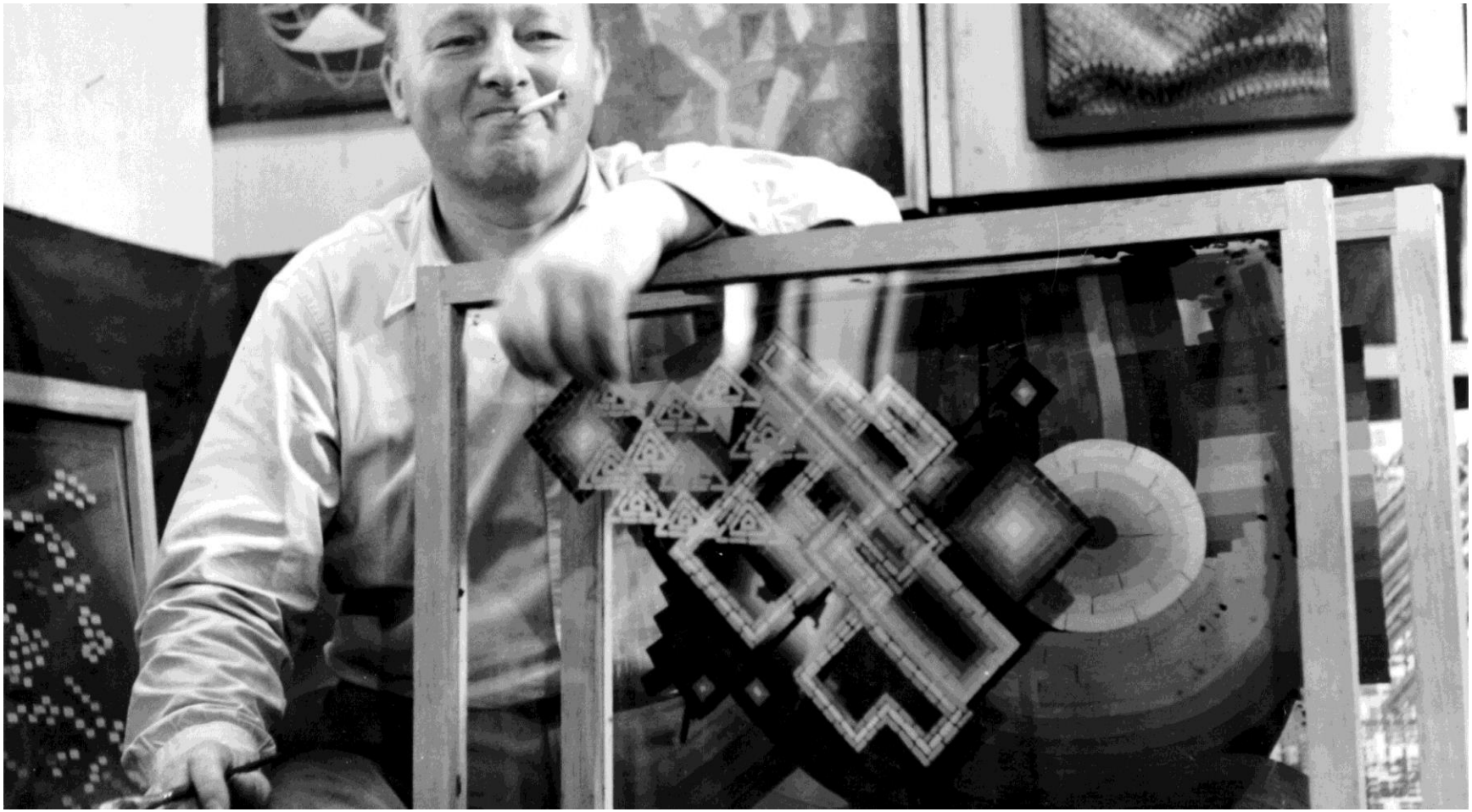
By Tom Sito

Professor & Chair USC Division of Animation and Digital Arts

Digital Intro



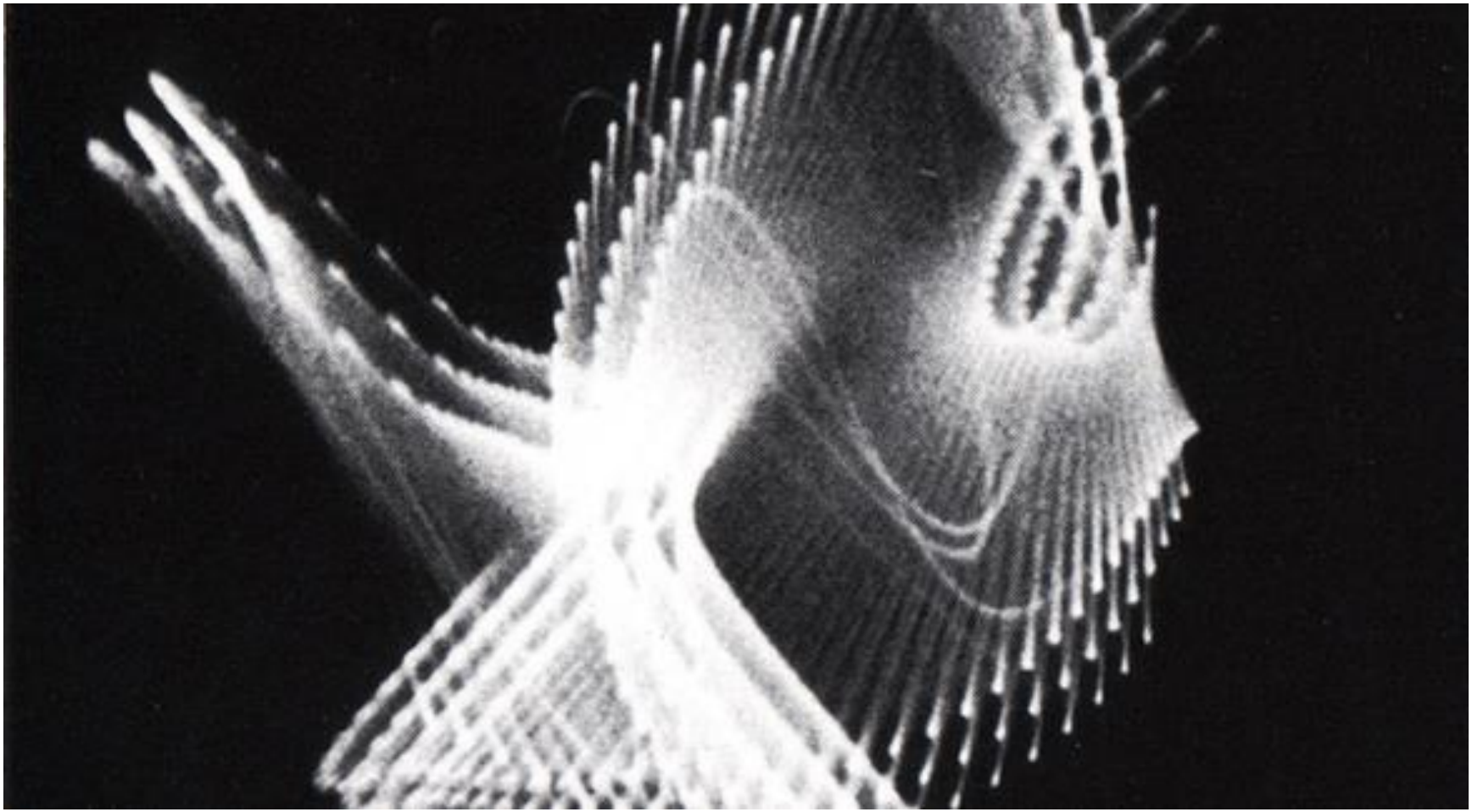
Oskar Fischinger



Mary-Ellen Bute



Ben Laposky



Vaneavar Bush

Microsoft Dynamics
Proactive, easy-to-use business solutions for everyone
Microsoft Dynamics
LEARN MORE

Subscribe and get 2 FREE ISSUES
• SUBSCRIBE
• RENEW
• GIVE A GIFT
• DIGITAL EDITION



'Sons of Apes and Pigs': Where Is the Reaction?

Can Ohio Handle the Truth?

The Battle Against Princesses

SPONSOR CONTENT
Why Social Media Matters for Your Business

JULY 1945 ATLANTIC MAGAZINE

SHARE EMAIL PRINT

As We May Think

By VANNEVAR BUSH

+1 122 Share 20

As Director of the Office of Scientific Research and Development, Dr. Vannevar Bush has coordinated the activities of some six thousand leading American scientists in the application of science to warfare. In this significant article he holds up an incentive for scientists when the fighting has ceased. He urges that men of science should then turn to the massive task of making more accessible our bewildering store of knowledge. For years inventions have extended man's physical powers rather than the powers of his mind. Trip hammers that multiply the fists, microscopes that sharpen the eye, and engines of destruction and detection are new results, but not the end results, of modern science. Now, says Dr. Bush,

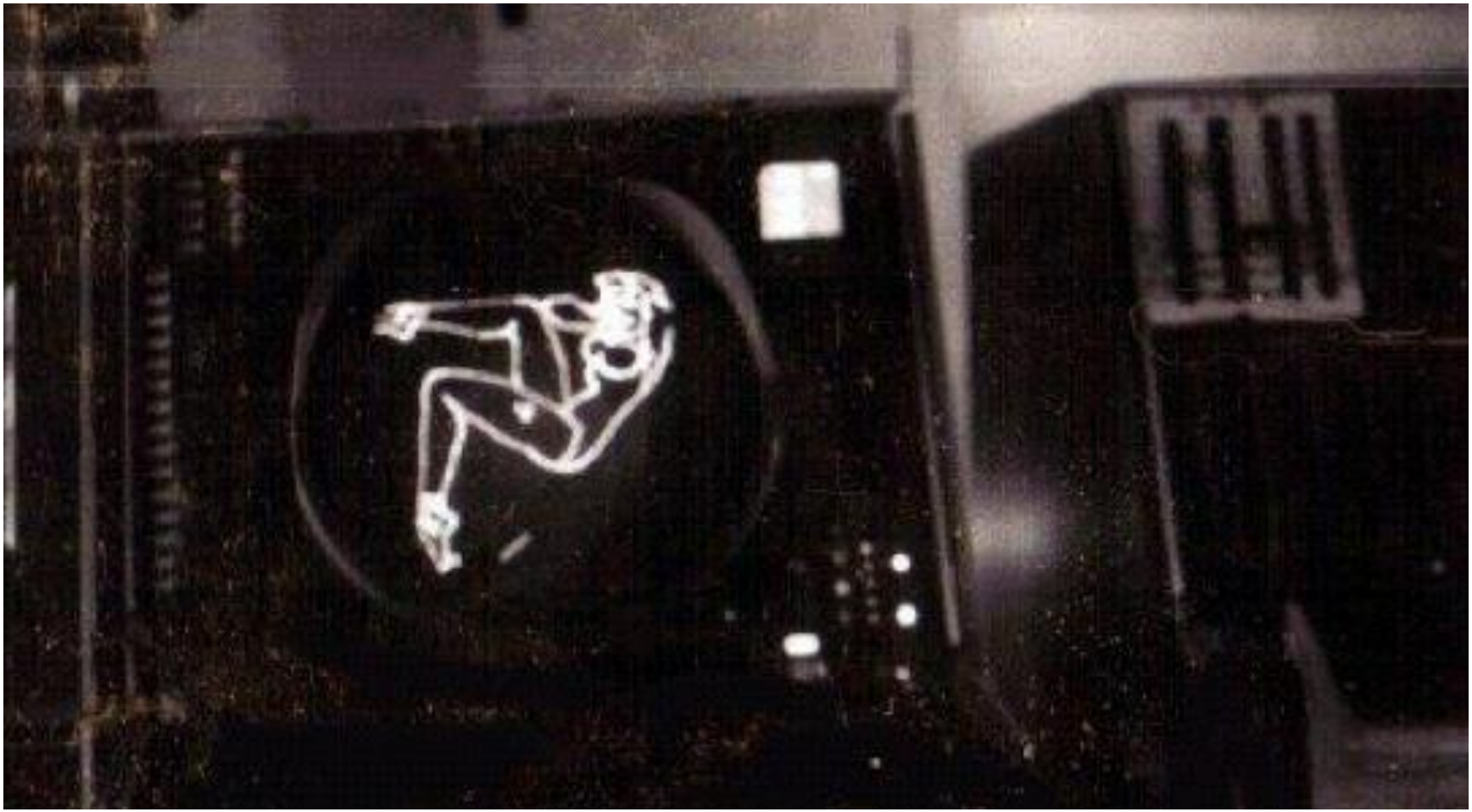


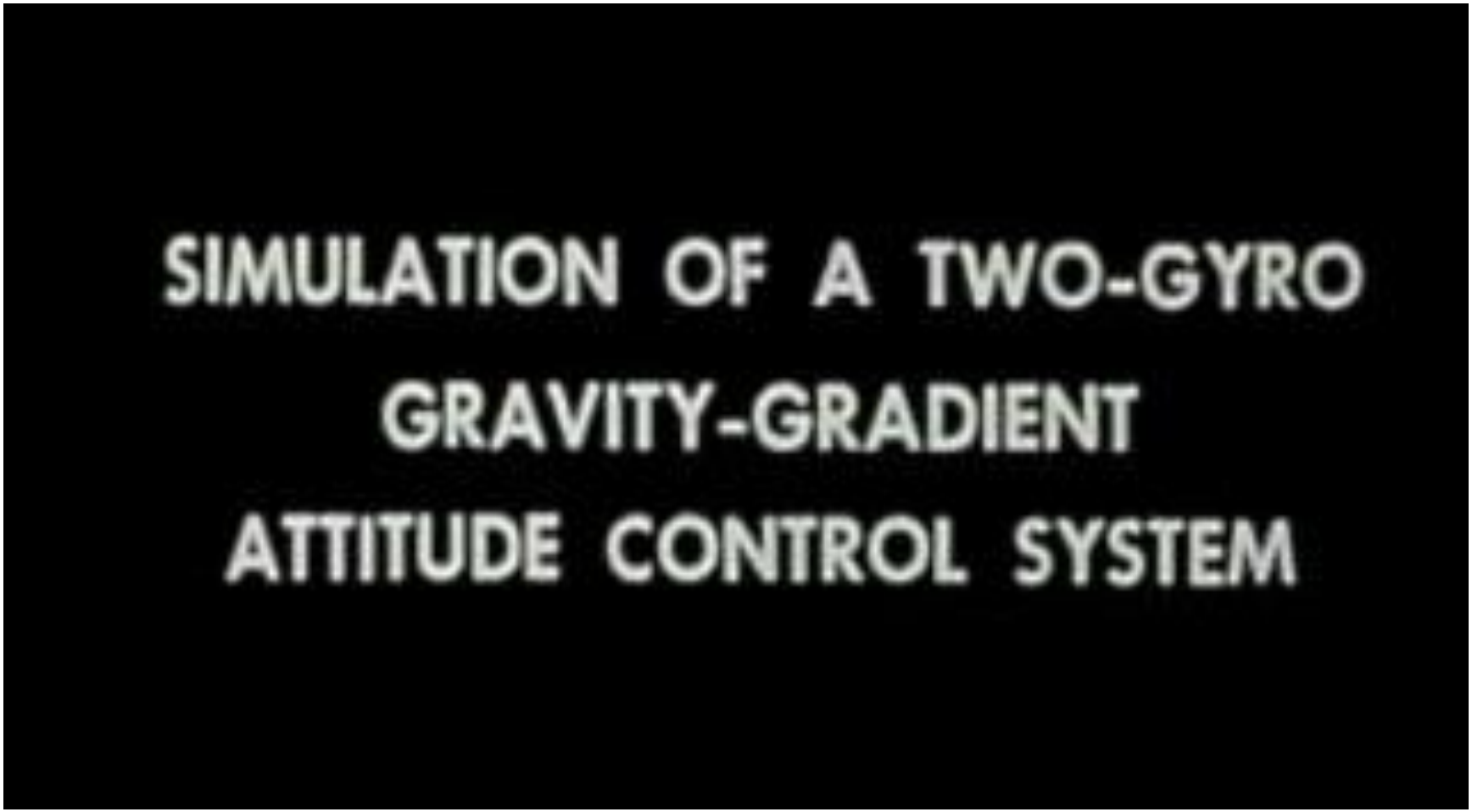
VIDEO AT THE ATLANTIC. CLICK. WATCH. REPEAT.
the Atlantic

SAGE console



Earliest known digital drawing




SIMULATION OF A TWO-GYRO
GRAVITY-GRADIENT
ATTITUDE CONTROL SYSTEM



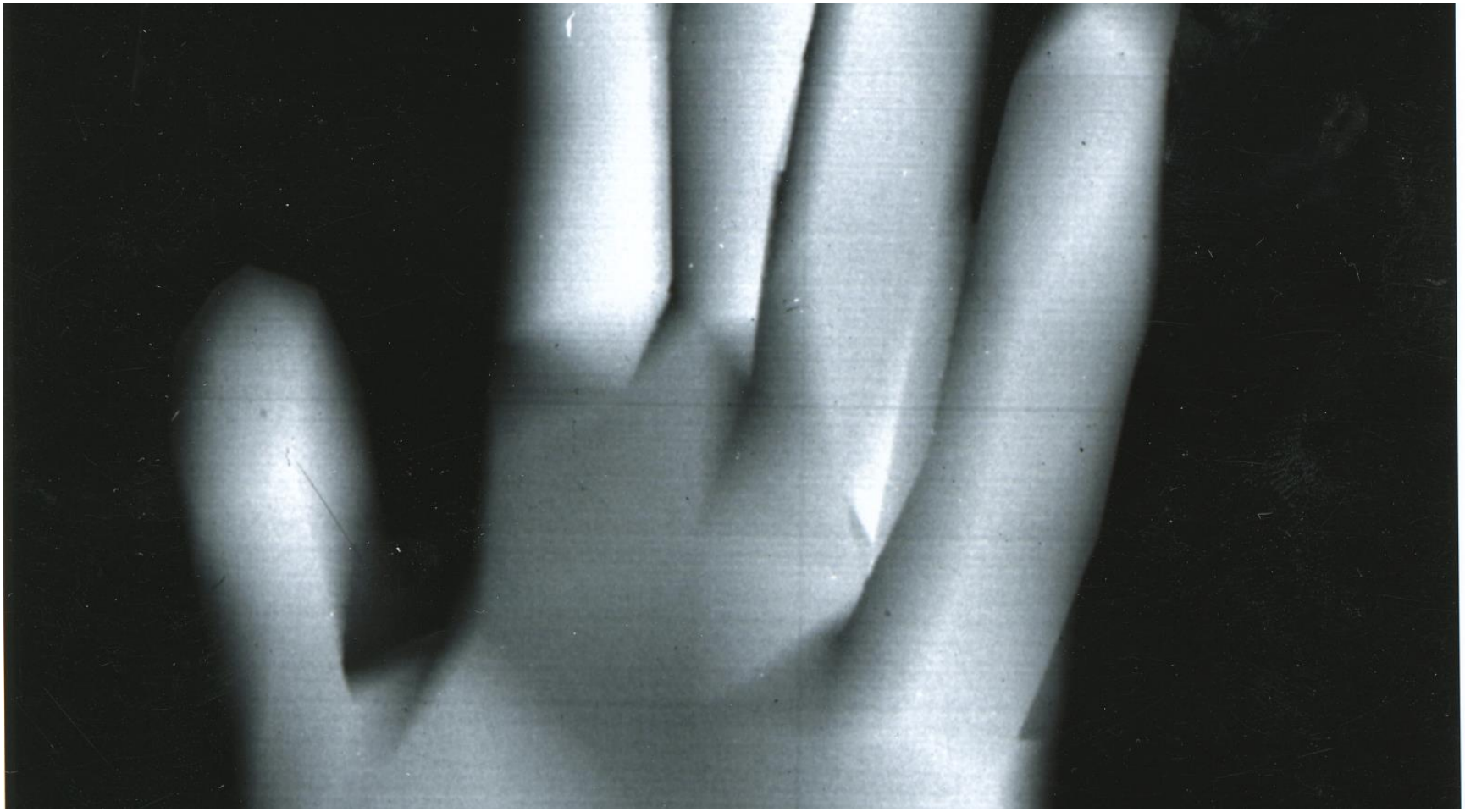
Ivan Sutherland



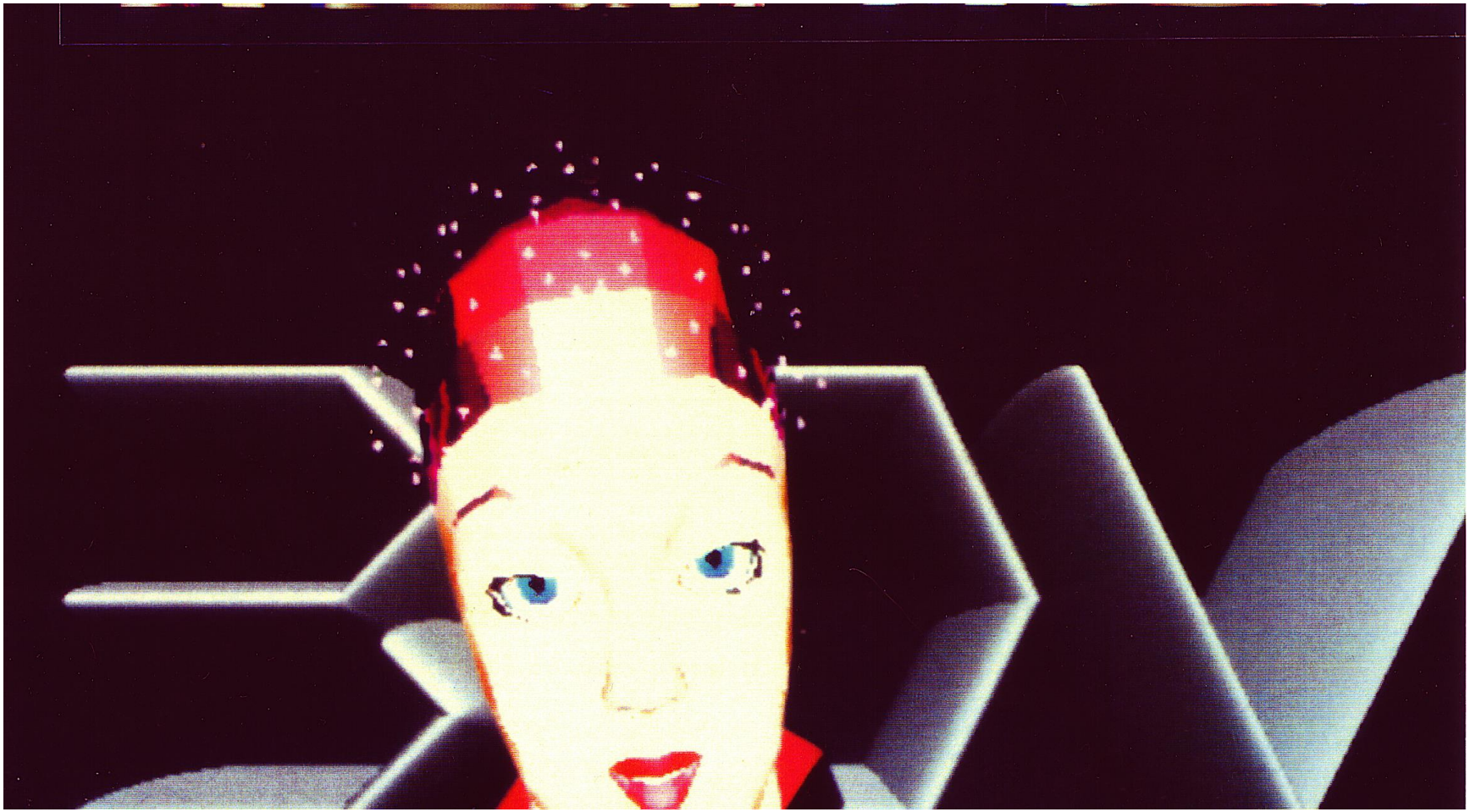
Spacewar 1962

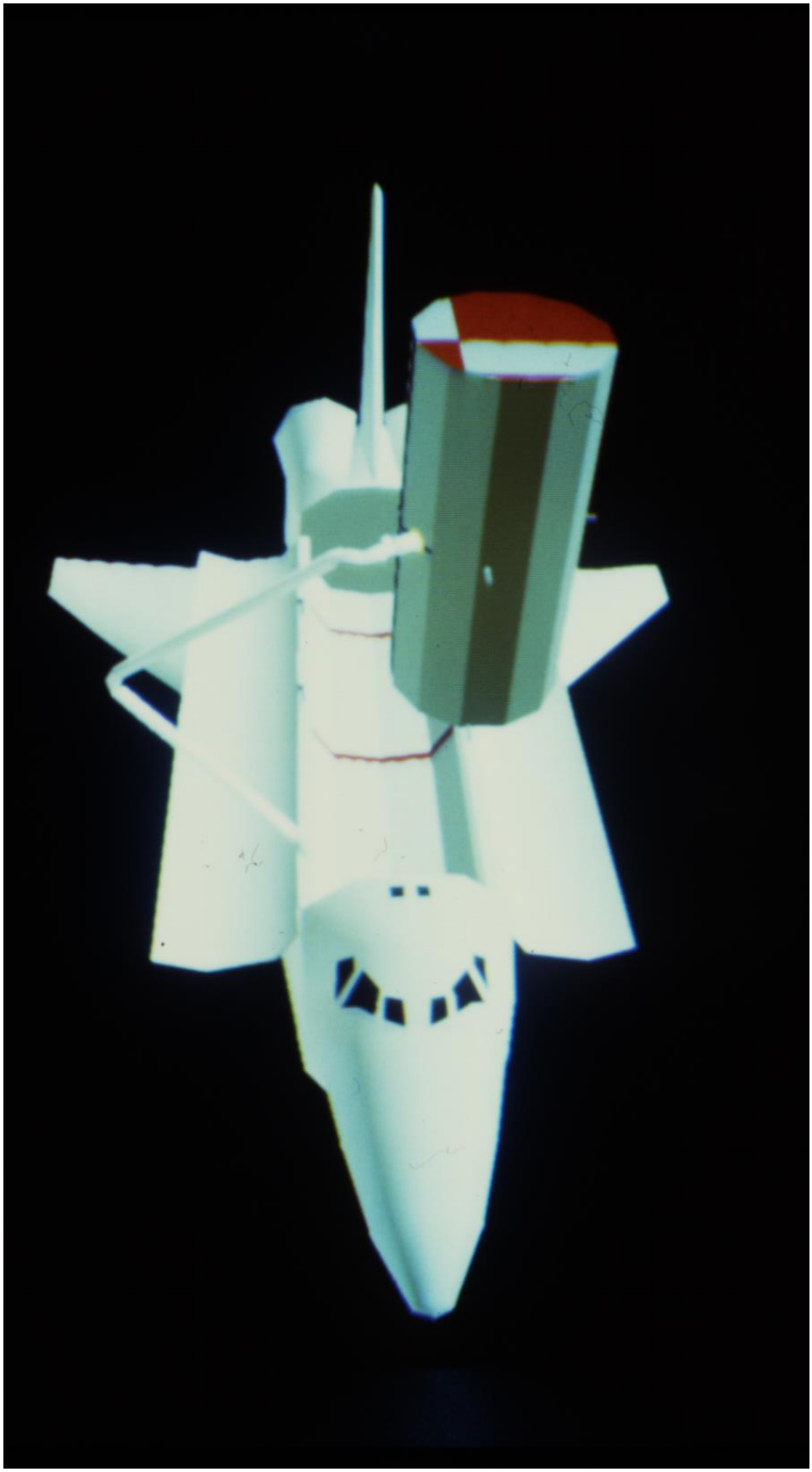


Ed Catmull's Hand 1972

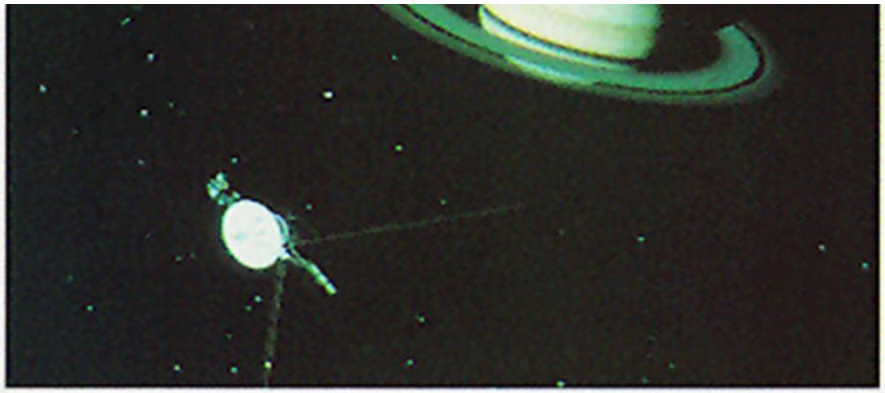


NYIT 1979

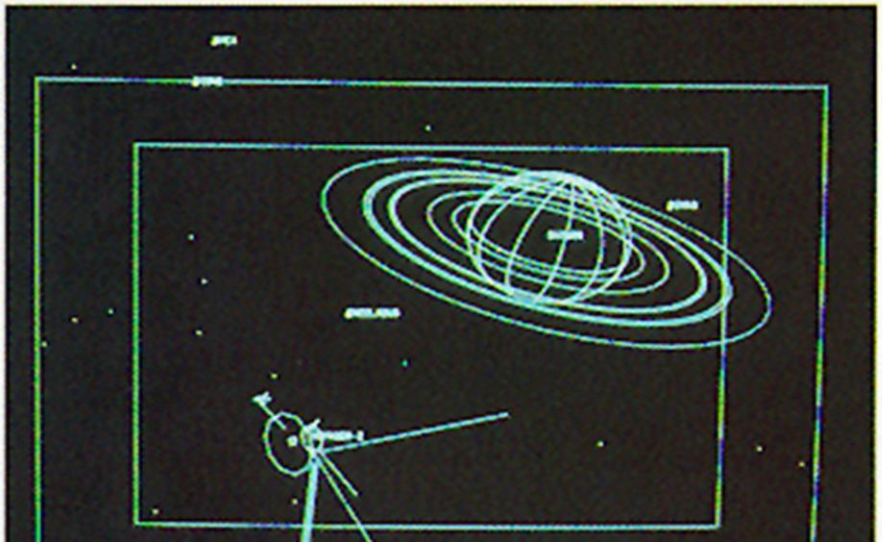




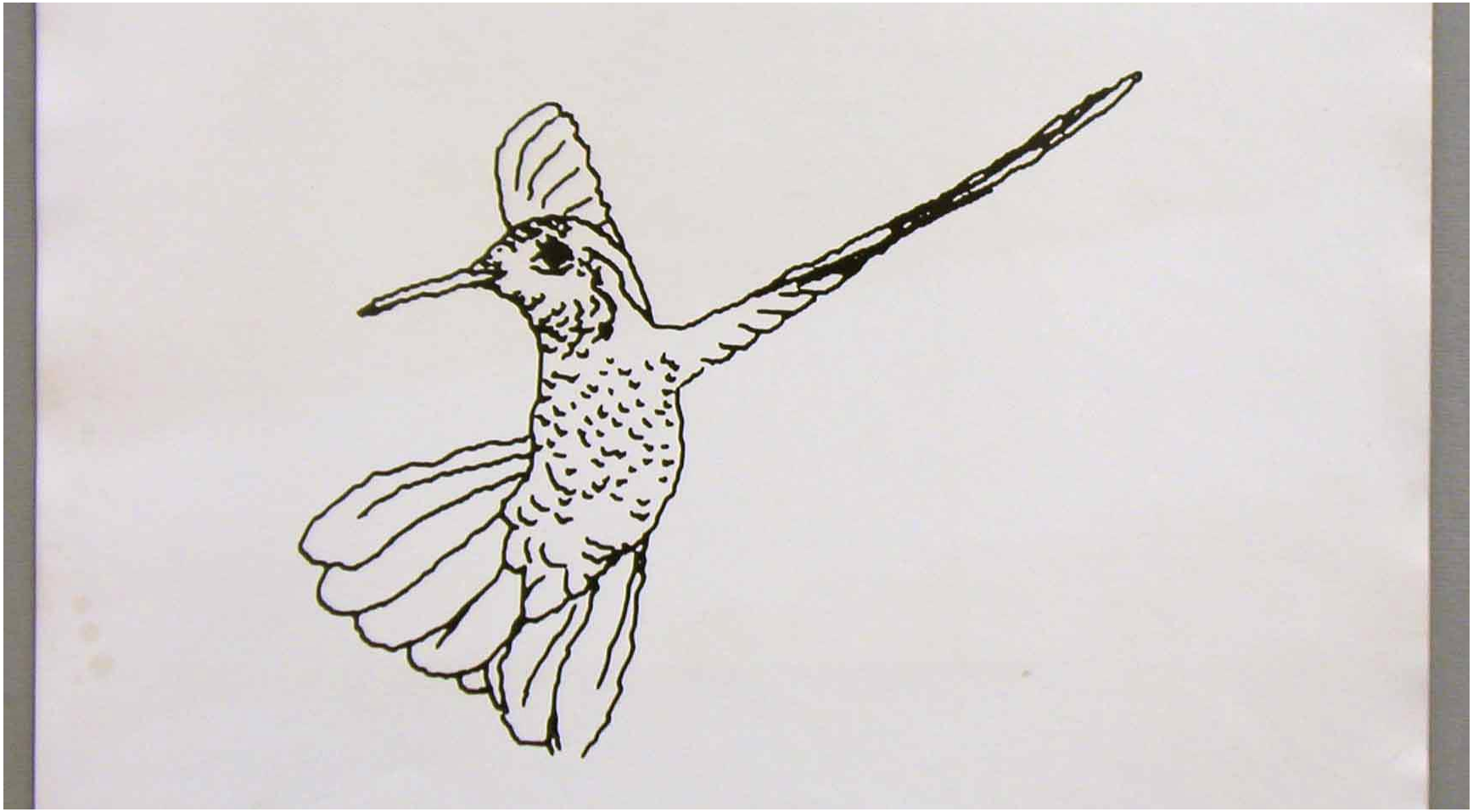
JPL Voyager, Jim Blinn











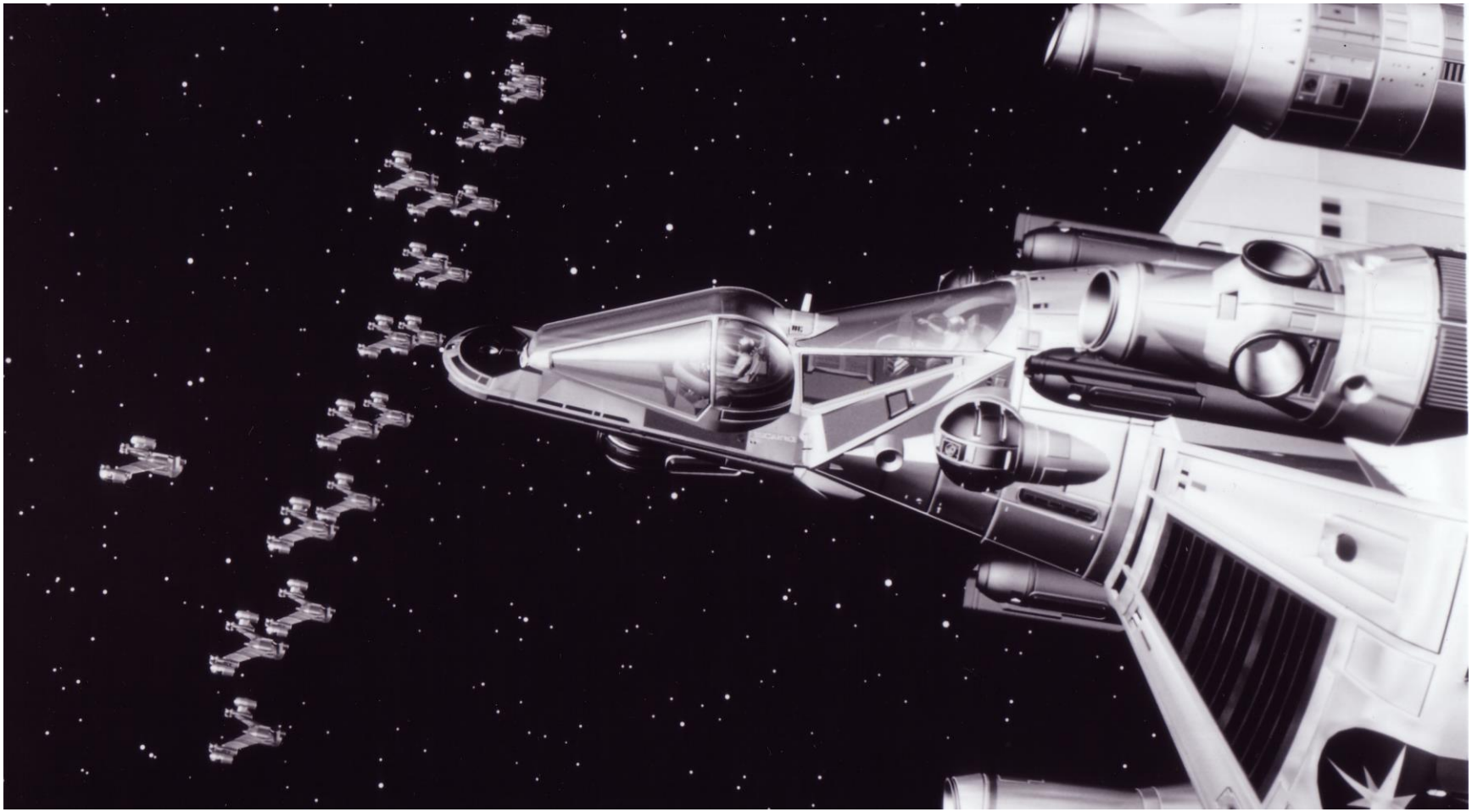
Pixar Team



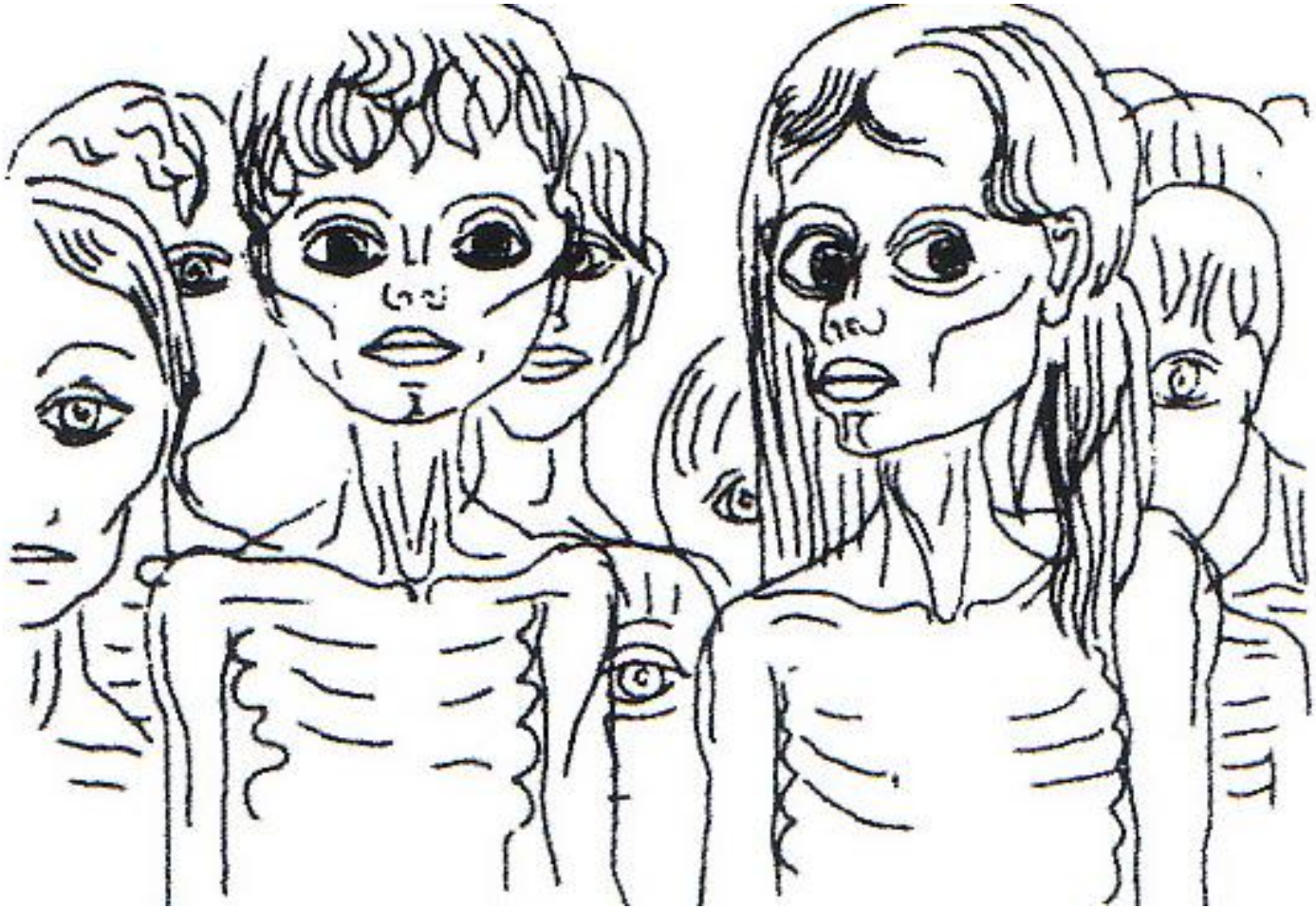
Toy Story



The Last Starfighter



Hunger



Jurassic Park 1993



Today

