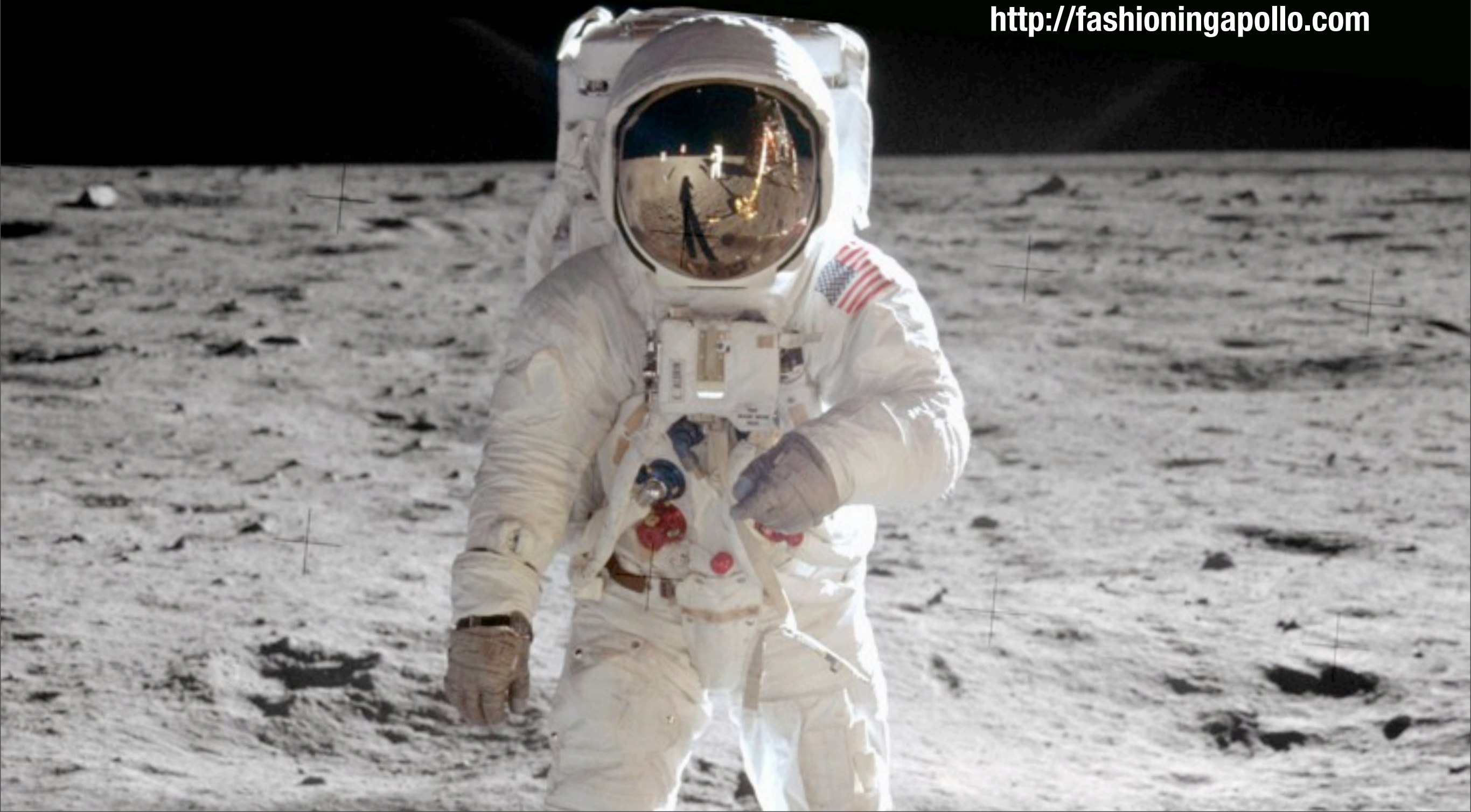


Fashioning Apollo

SPUR
April 20, 2011

Nicholas de Monchaux
demonchaux@berkeley.edu
<http://fashioningapollo.com>





DE MONCHAUX

APRIL 20, 2011

FASHIONING SPOOLS

LOCAL

AT THE SPUR URBAN CENTER GALLERY
SHOWING MARCH 15, 2011 — APRIL 20, 2011
spur.org/exhibits

REAL ESTATES

CODE

Digital techniques transform
abandoned public land into
a new urban ecology



Richard Hamilton, Towards a Definitive Statement on the Coming Trends in Men's Wear and Accessories (a) Together Let Us Explore the Stars, 1962

Yuri Gagarin, 1961



John F. Kennedy and Democratic congressional leaders watch the launch of John Glenn and the Mercury capsule atop an Atlas ICBM, February 20, 1962

APRIL 20, 2011
"Fill 'Er Up—I'm In A Race"



DE MONCHAUX

2000+

Architectural Design February 1967, price 5s.

APRIL 20, 2017

FASHIONING APOLLO



Architectural Design (London), February 1967

DE MONCHAUX

2000+

Architectural Design February 1967, price 5s.

APRIL 20, 2017

FASHIONING APOLLO



Architectural Design (London), February 1967

TWENTY-FIVE CENTS

APRIL 1, 1957



\$6.00 A YEAR

VOL. LXIX NO. 13

Time, April 1 1957

TWENTY-FIVE CENTS

APRIL 29, 1957



\$6.00 A YEAR

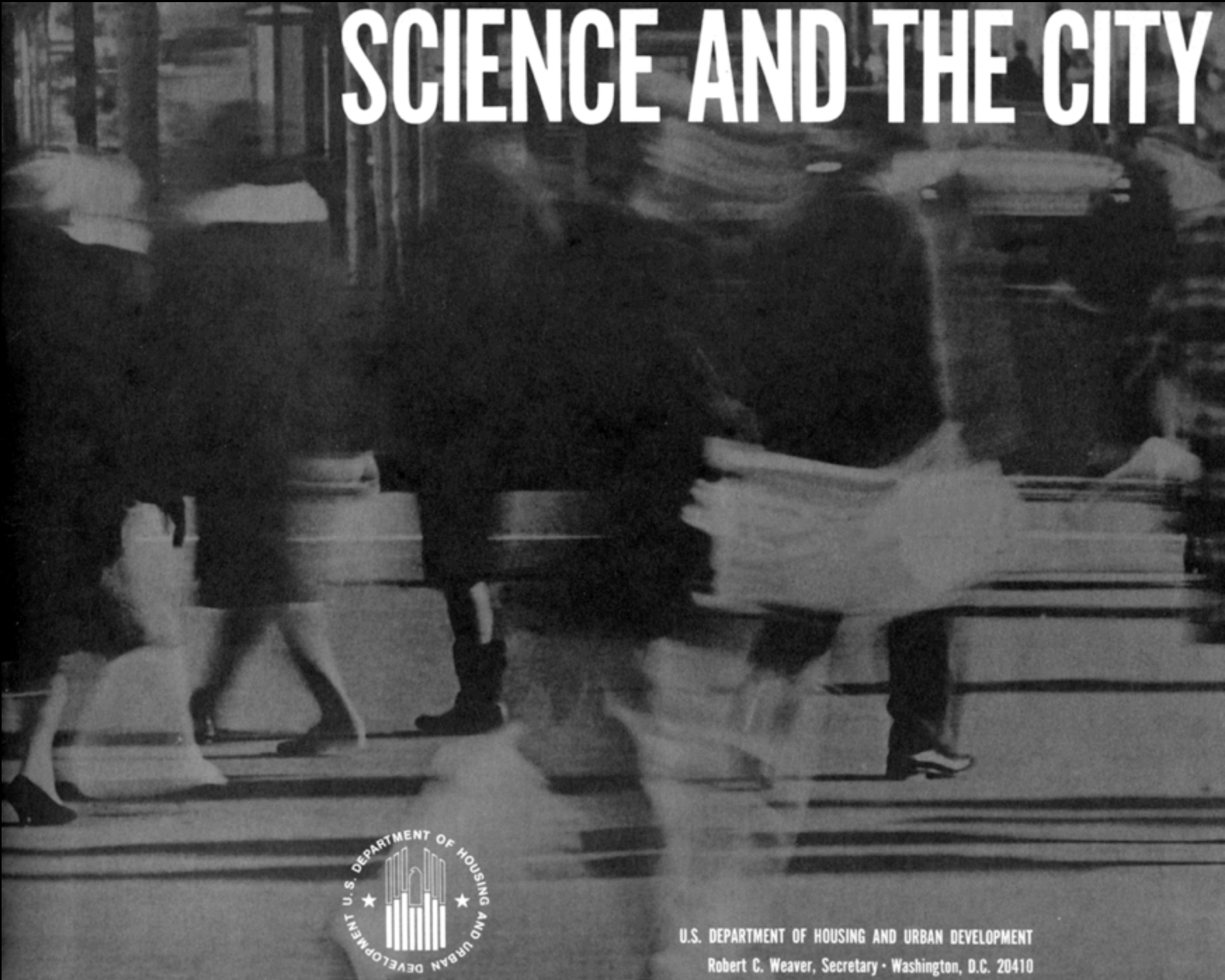
VOL. LXIX NO. 17

Time, April 29, 1957



Hubert Humphrey, 1968

SCIENCE AND THE CITY

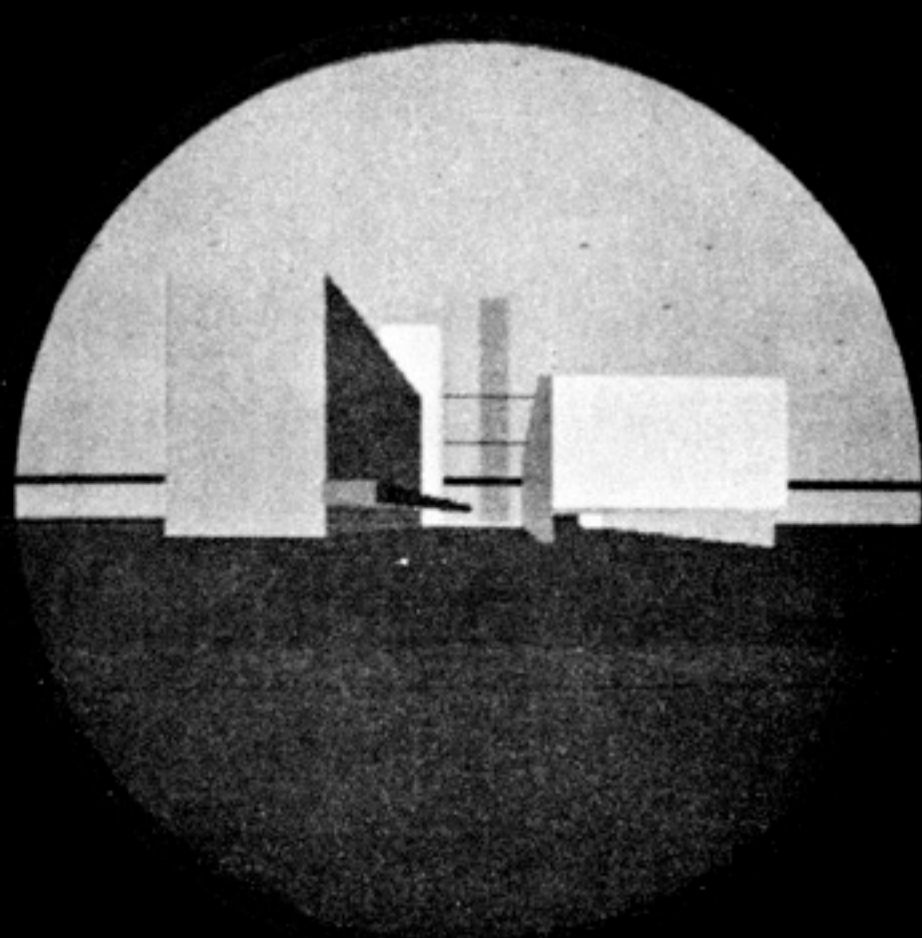
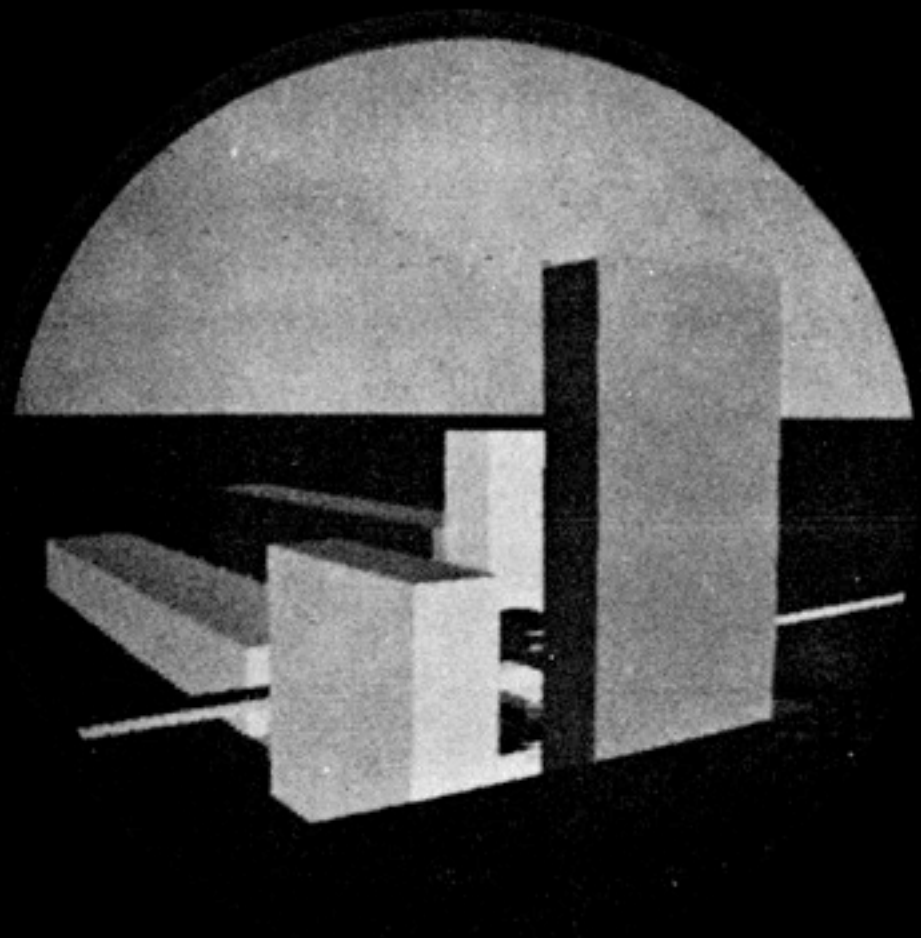
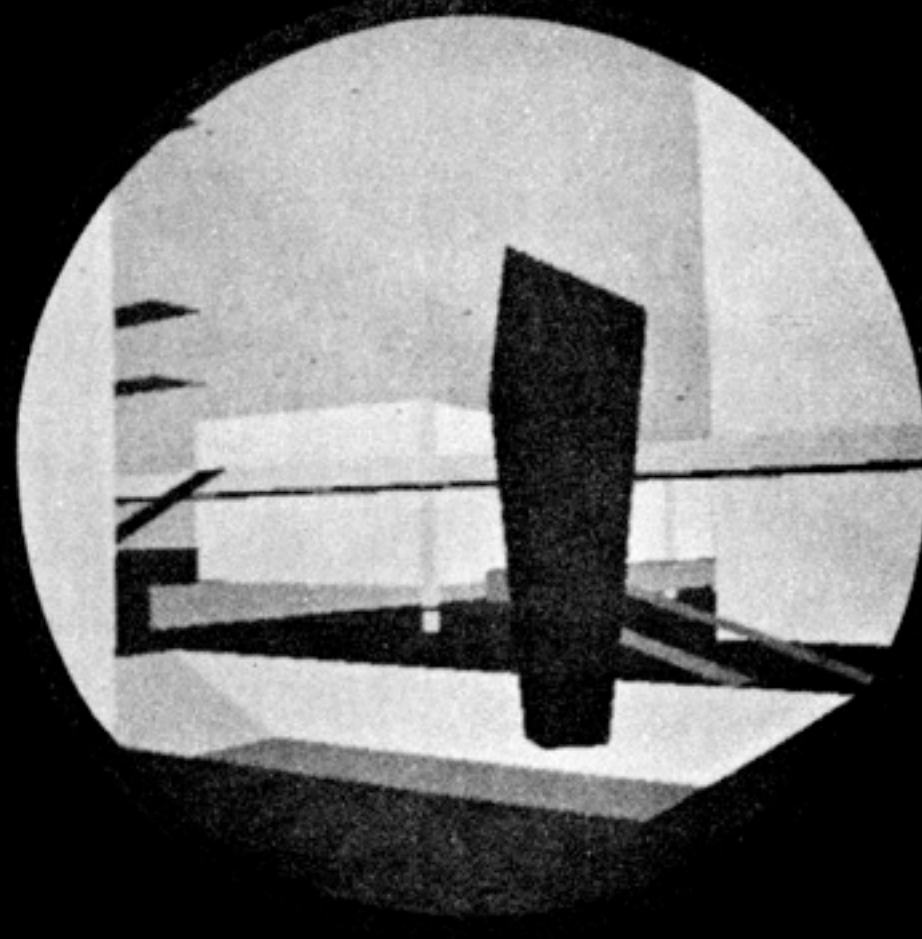
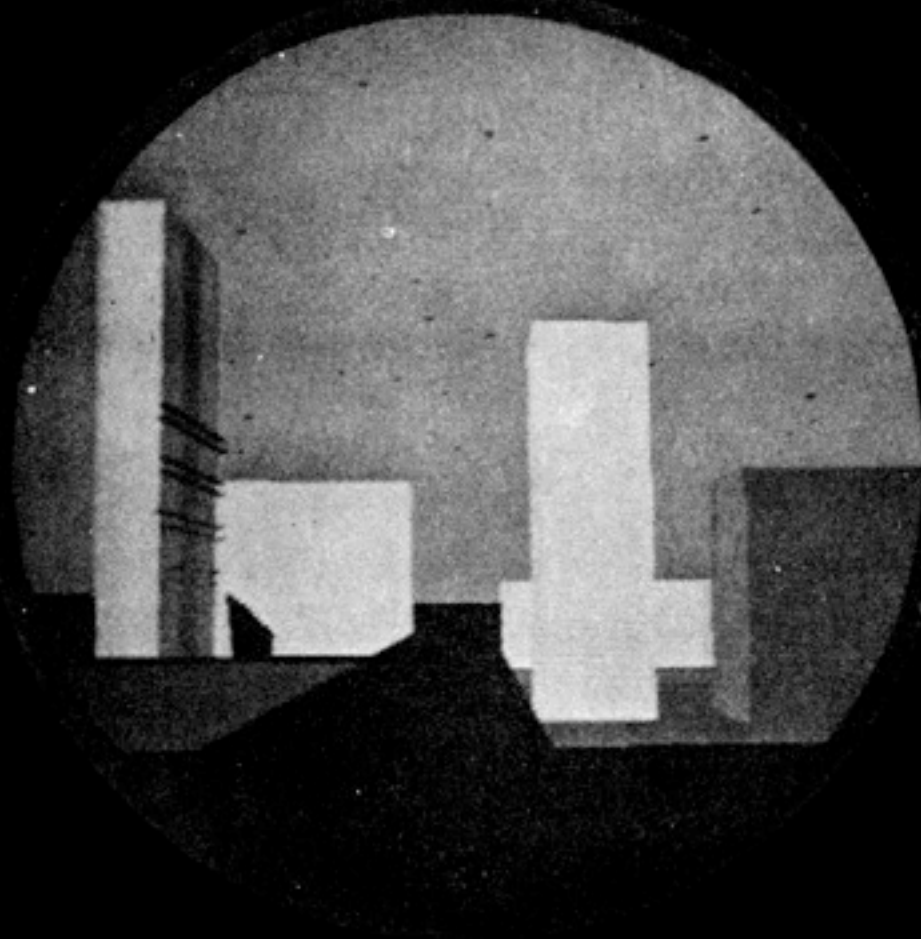


U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
Robert C. Weaver, Secretary • Washington, D.C. 20410

Science and the City: Report on a joint NASA / HUD seminar, Woods Hole, MA, 1966



Nuclear-propelled interplanetary spacecraft proposal, Harold Finger (later Director of Research for HUD), 1962



"Cityscape." film by Peter Kamnitzer using the Apollo Lunar Landing Simulator, 1962-66

SCIENCE



MAN REMADE TO LIVE IN SPACE

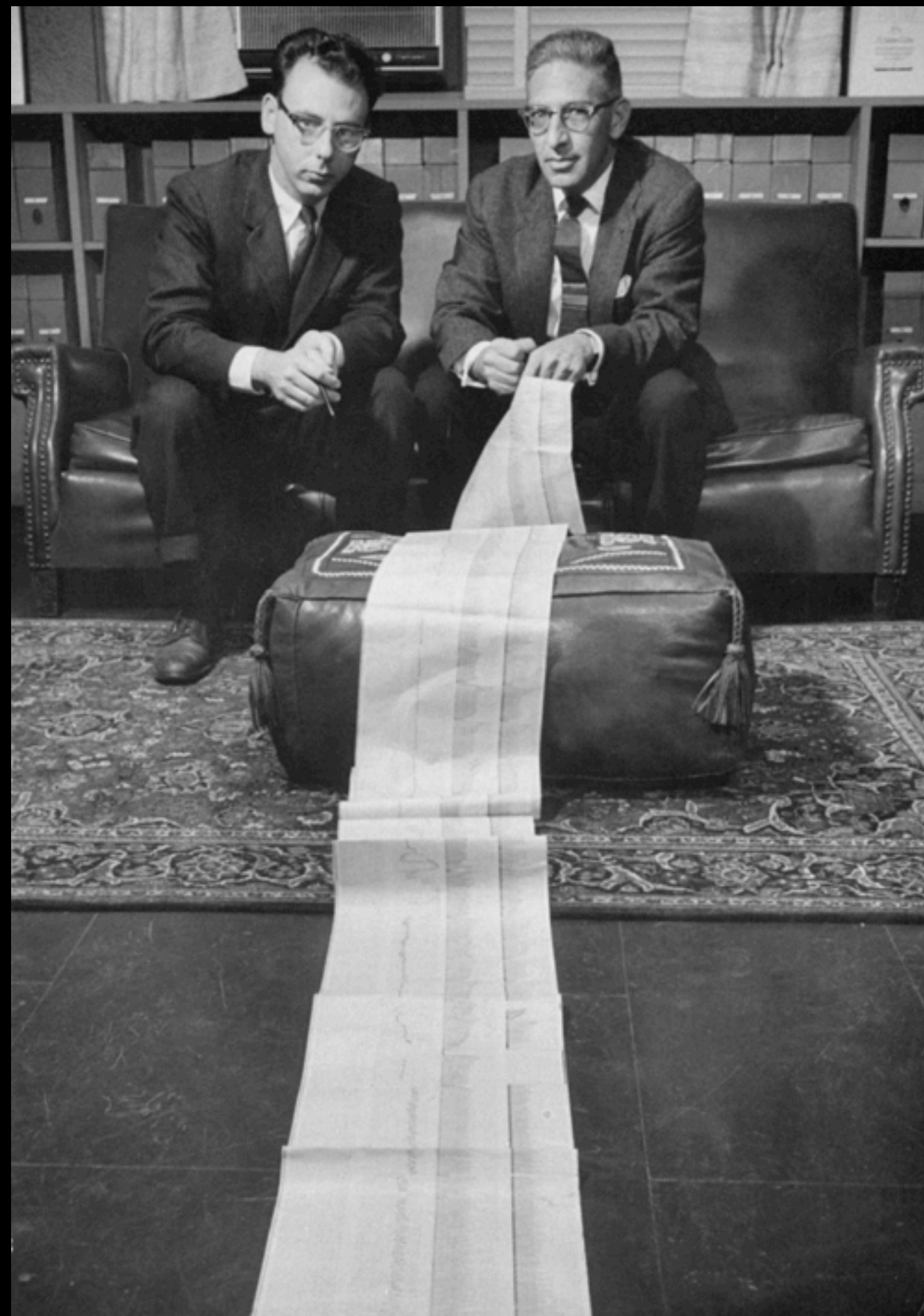
Striding buoyantly across the low-gravity surface of the moon, there may someday be strange new men—part human, part machine—like the ones above. They will have a strange name: CYBORGS (for CYBernetic ORganisms). Cyborgs, according to a daring new idea, will be men whose body organs and systems are automatically adjusted for life in unearthly environments by artificial organs and senses. Some of these devices will be attached, others actually implanted by surgery. With their aid cyborgs can dispense with clumsy, easy-to-puncture space suits in which earth conditions

are re-created. Instead they can move about safely wearing not much more than they would at home.

The artificial senses of cyborgs will measure changes inside the body and outside in the environment. They will signal artificial glands telling them what to secrete for regulating normal body functions. Then body temperature may fall to that of a fish in ice, or the pulse may quicken like a rosin's in flight, but the human organism will survive. Fantastic as the idea sounds, its originators (see next page) think that it is feasible and that much of the knowledge needed already exists.

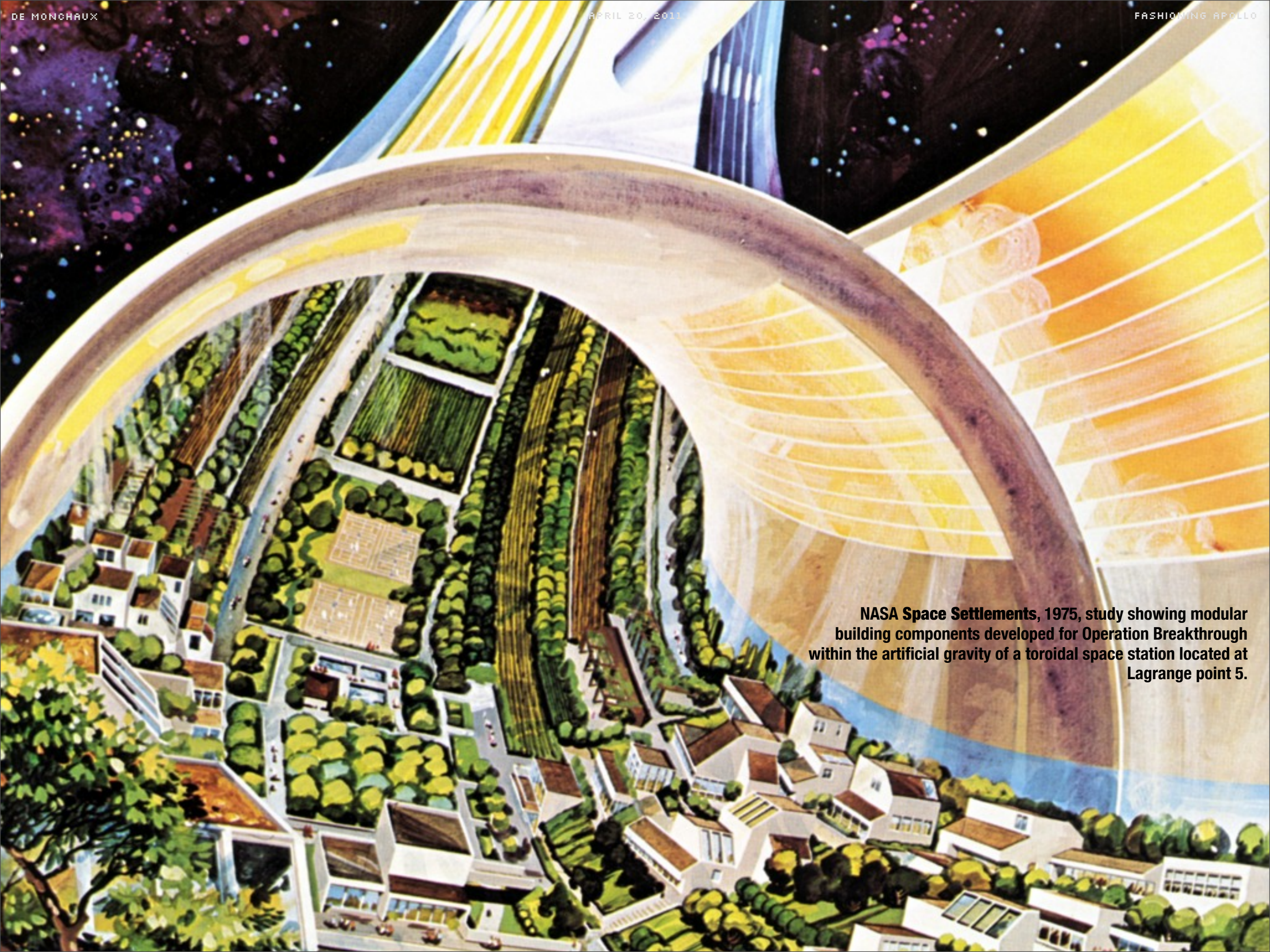
ON MOON cyborgs unroll cable to explosive for seismic blast. On front cyborg's belt, tubes pump chemicals to blood to control (from left) blood pressure, pulse, energy, tranquility, blood sugar, body temperature, radiation tolerance. Pumps obey sensors like radiation counter in his left thigh or blood-pressure gauge in his right thigh. Heart, in X-ray view, sends blood to the implanted converter which re-makes oxygen and carbon from CO₂, taking place of lungs. On back of other cyborg are food supply (top), master fuel cell, food processor and wastes' canister.

CONTINUED





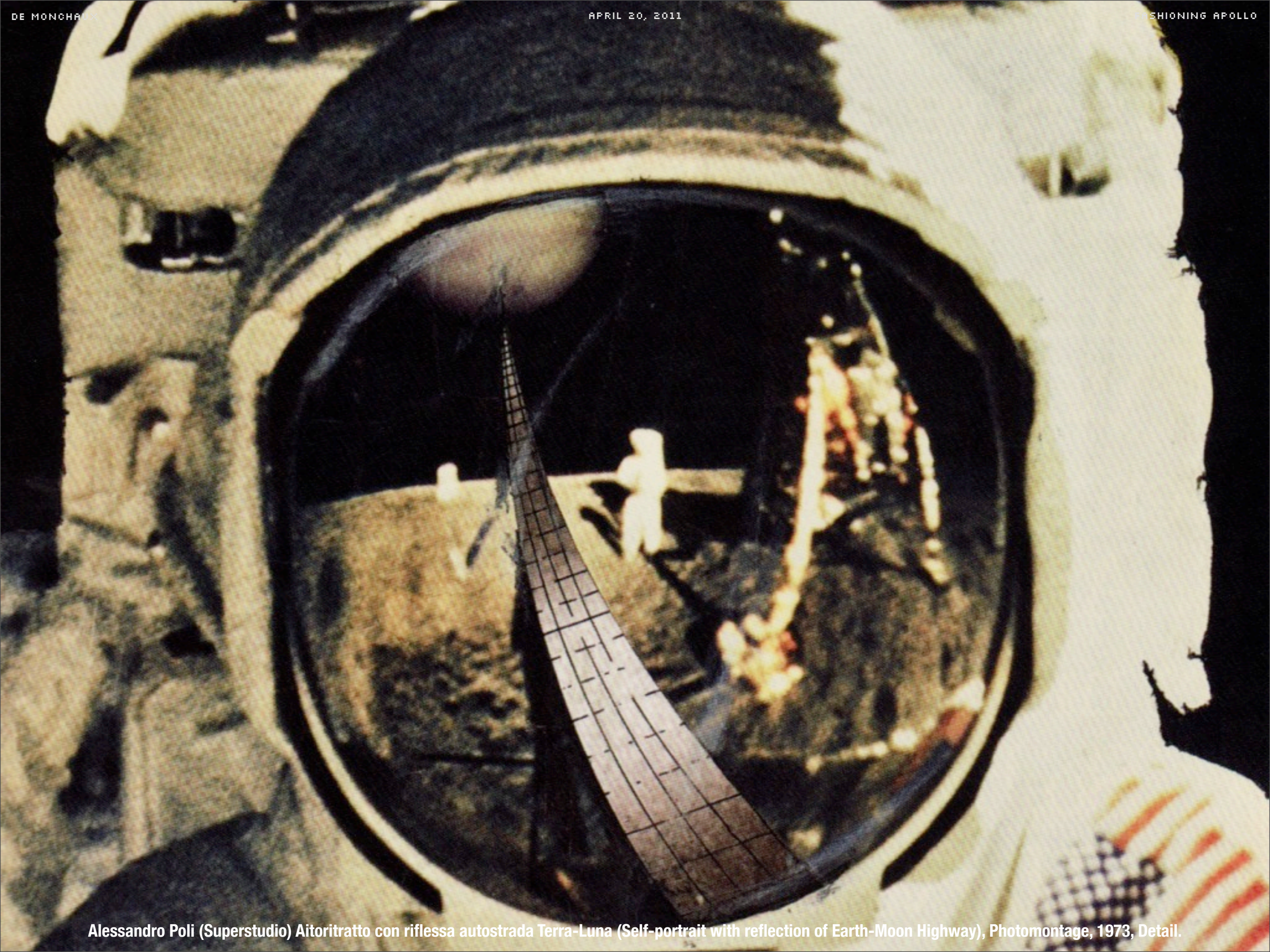
Ames AX-3, 1970-74



NASA Space Settlements, 1975, study showing modular building components developed for Operation Breakthrough within the artificial gravity of a toroidal space station located at Lagrange point 5.



Superstudio (Italy), Supersurface, The Happy Island, 1971



Alessandro Poli (Superstudio) Aitoritratto con riflessa autostrada Terra-Luna (Self-portrait with reflection of Earth-Moon Highway), Photomontage, 1973, Detail.



Astronaut Edwin E. "Buzz" Aldrin on the surface of the moon, July 21, 1969.
Aldrin is looking down at the systemized list of mission procedures sewn onto the surface of his left sleeve: NASA Image AS11-40-5903



ILC A7L Spacesuit without white Thermal Micrometeoroid Garment (TMG). Photograph: Mark Avino, Smithsonian Institution

A NEW DISCOVERY IN FIGURE CONTROL!



Not an outdated rubber garment, but a revolutionary method of curve control.



Slims you for everything from evening gown to bathing suit.



Not a two-way stretch but an All-way stretch that firms you whenever it touches.

The patented, five-ounce, light-as-air

Playtex[®] *Living* Girdle

MADE OF SMOOTH LIQUID LATEX
"A NATURE-SKIN[®] THAT MOLDS YOU IN"

First of its kind! Utterly unlike any girdle you've ever worn... feels like your own skin, weighs less than five ounces... light as a breeze! Not a corset... not an outdated rubber garment, but a revolutionary, modern method of curve-control as natural as your own lines, slimmed down.

Amazingly different! There are no seams, no stitches, no bones, no metal... here's a one-piece sheath of smooth liquid latex that actually lives and breathes with you! Not just a two-way stretch, but an All-way stretch. Gives with every motion of your body.

Becomes a part of you... so resilient, it flexes with your every muscle... controls, but does not constrict or bind!

The ideal all-occasion girdle that makes you inches slimmer in everything from an evening dress to a bathing suit! As comfortable for golf or driving as for hours of sitting at an office desk. Work or play, winter or summer, the Playtex Living Girdle never tires you! Always fresh... rinse in suds, pat with a towel and it's ready for instant use! Even removes the necessity of a sanitary belt... the smooth seamless panty-crotch holds the pad securely and protectively.

Delicately flower scented, in three colors... blossom pink, gardenia white, forget-me-not blue. Extra small, small, medium, and large. Your department store has these sizes. Or use the handy coupon below. Individually packaged in SLIM silver tubes. . . . \$2.00



Gives with every motion of your body... actually lives and breathes with you!



Slims the hips. Preserves that casual look so smart in today's clothes.



Flexes with your muscles... firmly controls, but does not constrict or bind.

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Please send me _____ Playtex Living Girdles at \$2 each

My waist measures _____ inches ☐ Check

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City _____ State _____

*Trade Mark Reg. U. S. Pat. Off.
†Trade Mark Copyright 1940 Int'l Latex Corp.



ILC Factory Floor, 1967



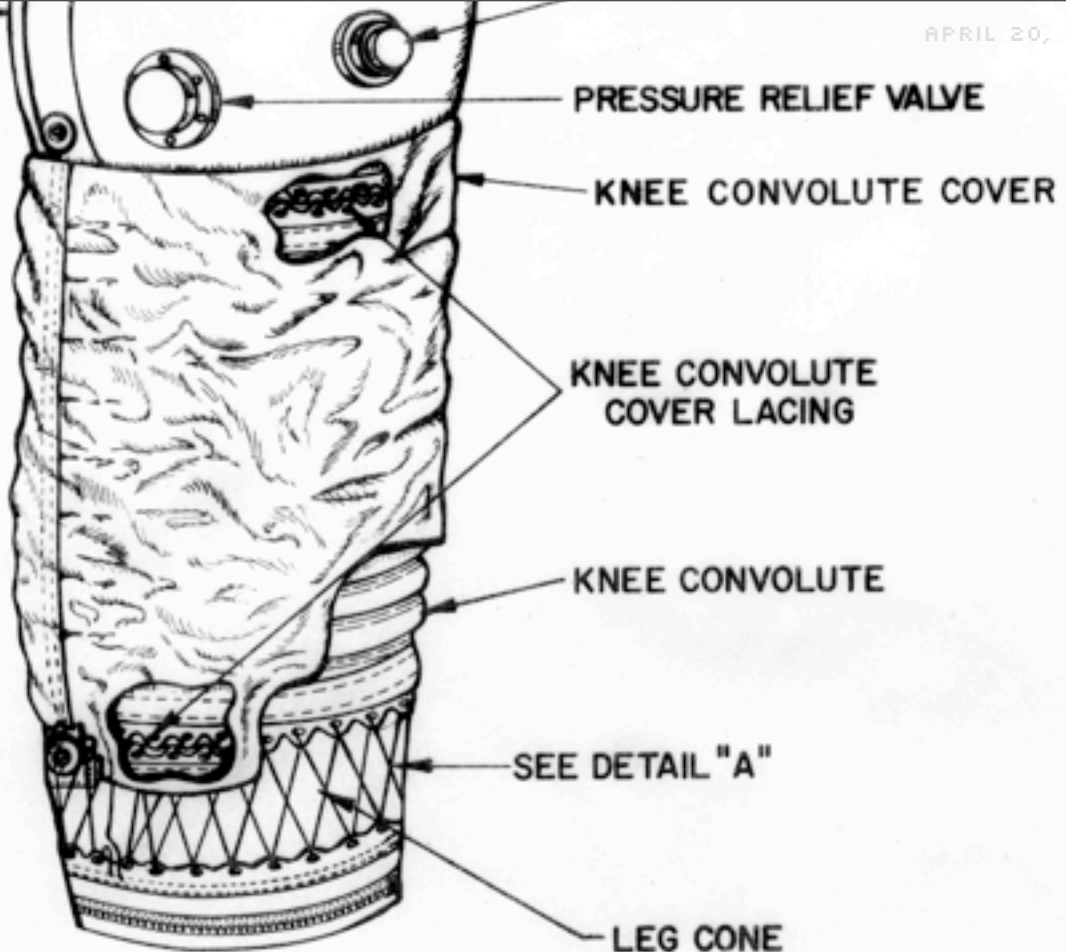
ILC Apollo Suit Prototype SPD-143 mated to Prototype Hamilton Standard PLSS, 1962



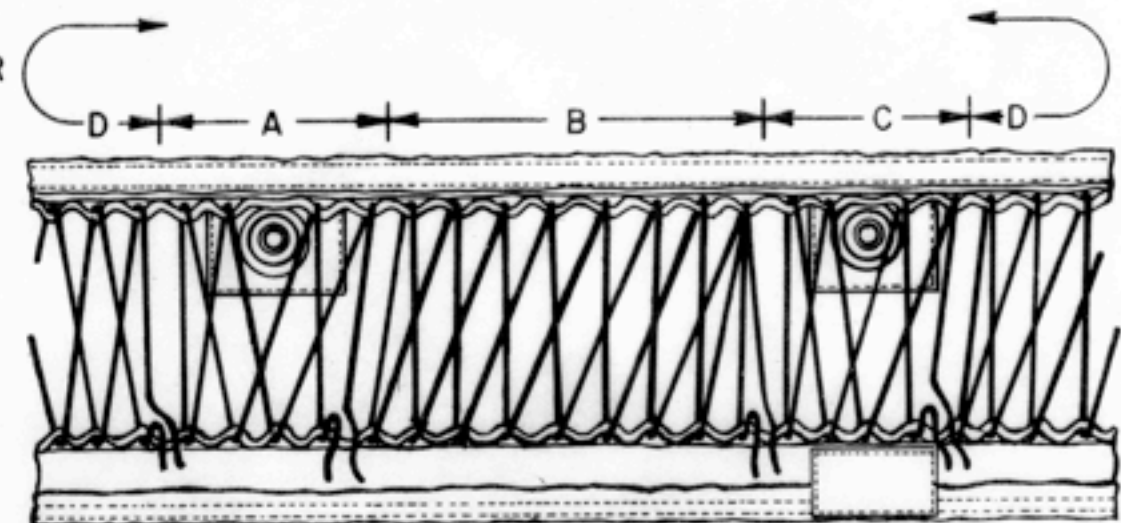
Hamilton Standard "Tiger" Suit, 1966



Adjusting Fit of A7L suit, ILC, 1968: Note paperwork in foreground.

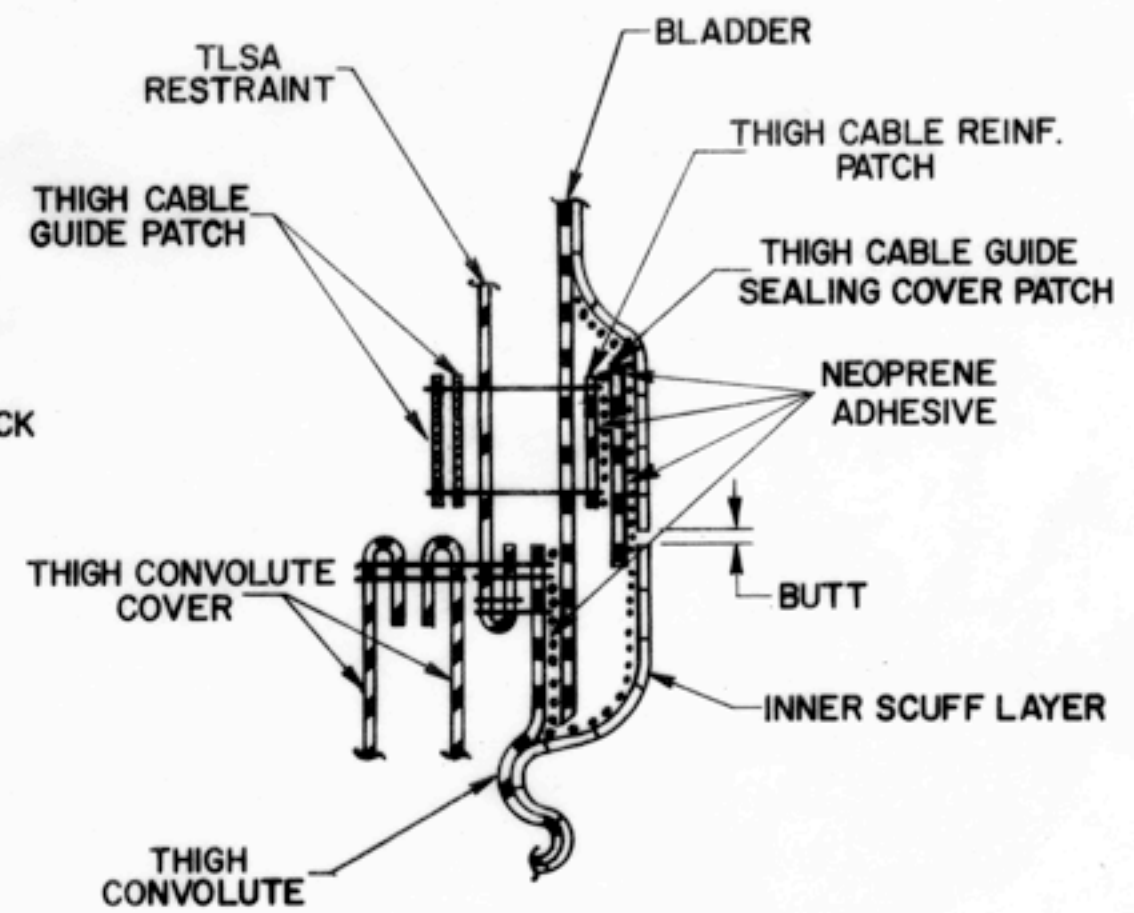
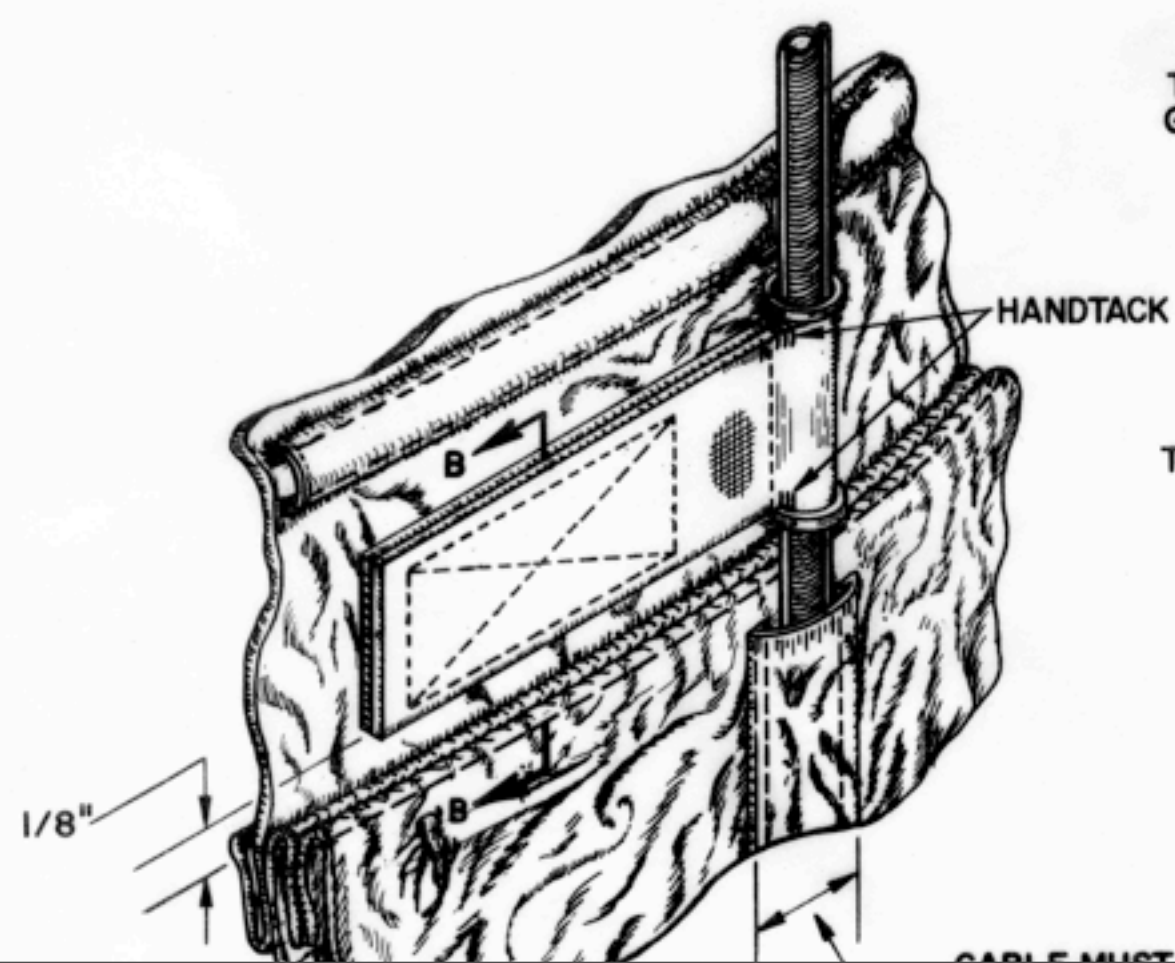


LEG ASSEMBLY



DETAIL A

LEG SIZING ADJUSTMENT



SECTION B-B



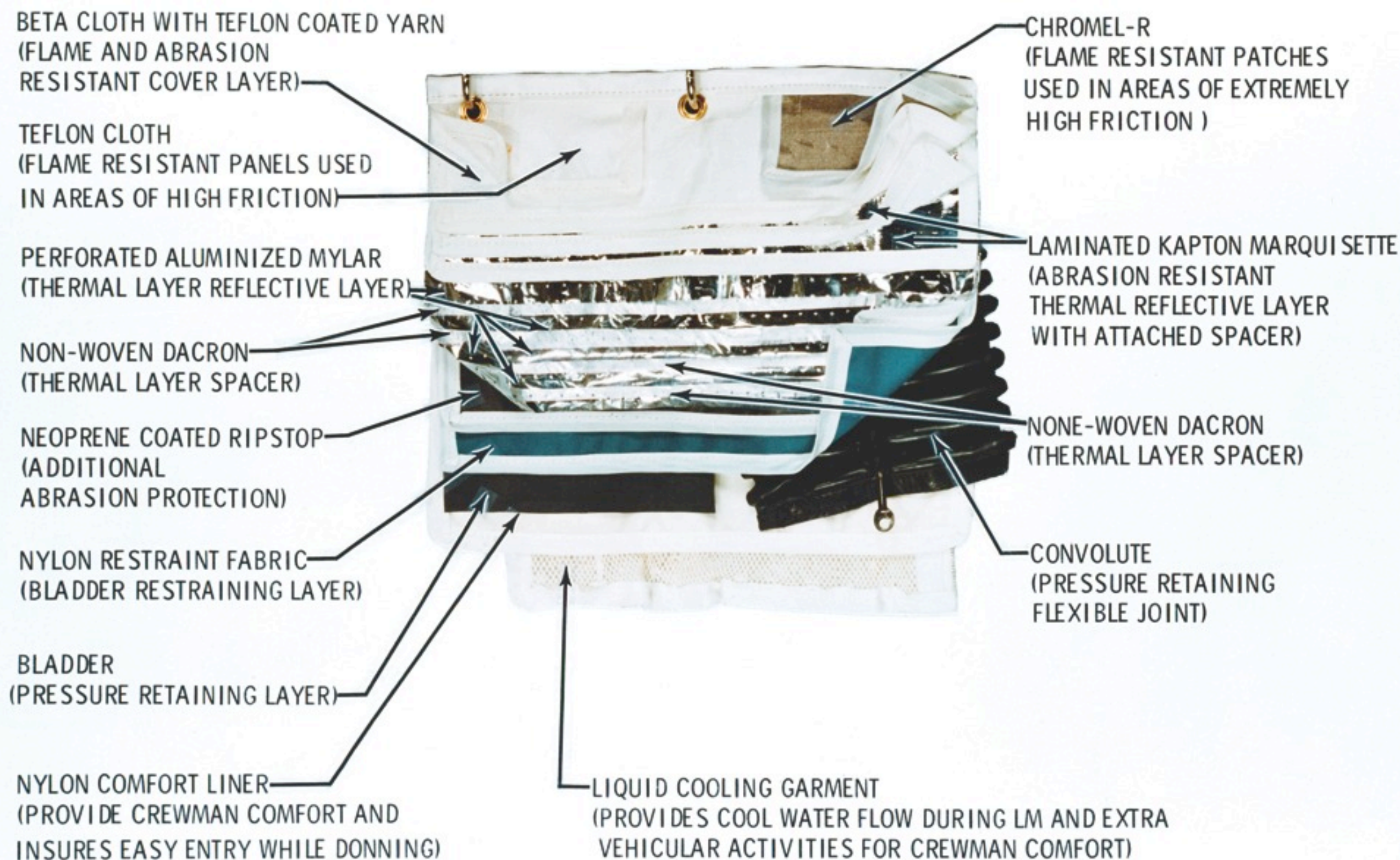
Pressurized "Omega" / A7LB in performance demonstration on Dover High School Football field, 1967



Davis, Brody with Chermayeff & Geismar, U.S.
Pavilion, Osaka World's Fair,
interior showing space exhibit and Litton RX-1
and RX-5, 1970

NASA-S-69-2649

SPACE SUIT CROSS-SECTION (EV CONFIGURATION)

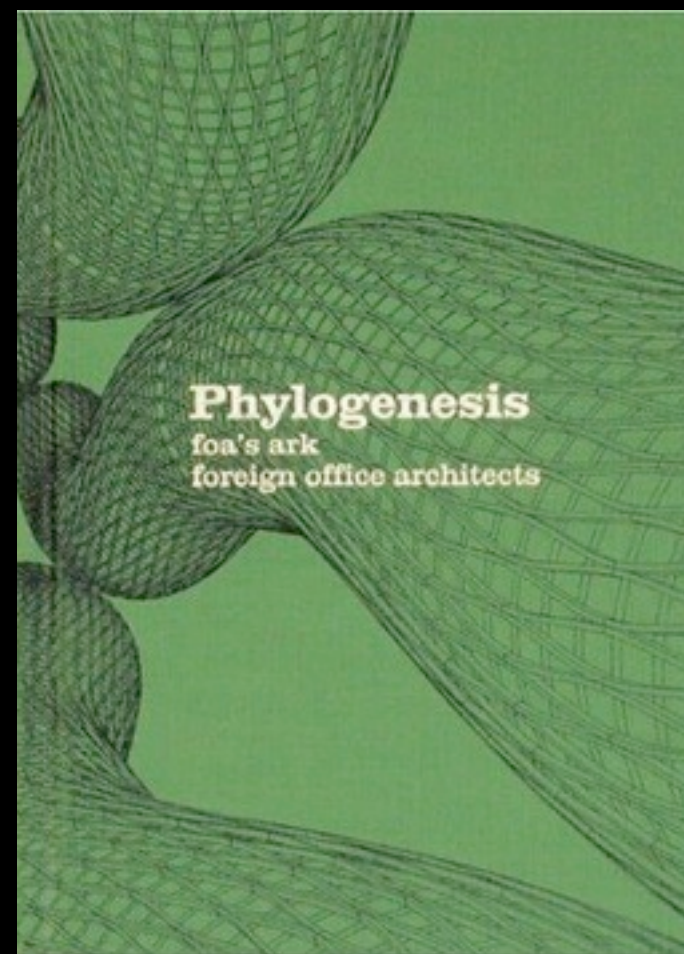
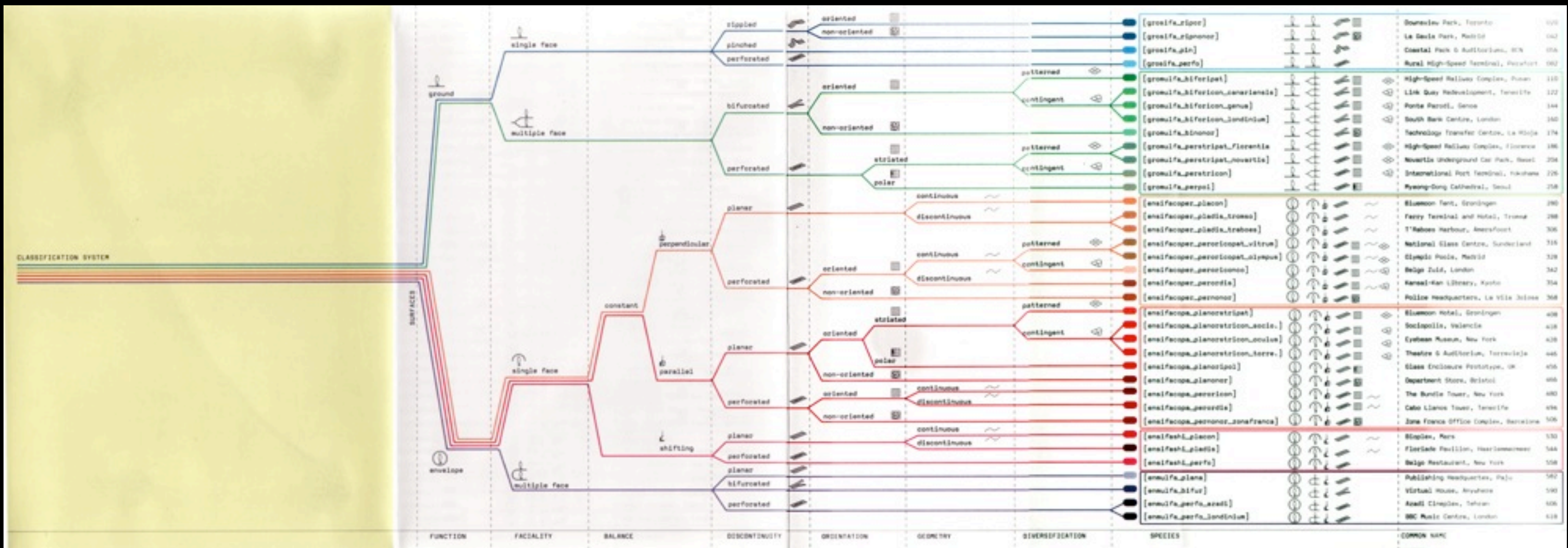




THE DEATH AND LIFE OF GREAT AMERICAN CITIES

JANE JACOBS

"Perhaps the most influential single work in
the history of town planning... a work of literature."
—*The New York Times Book Review*





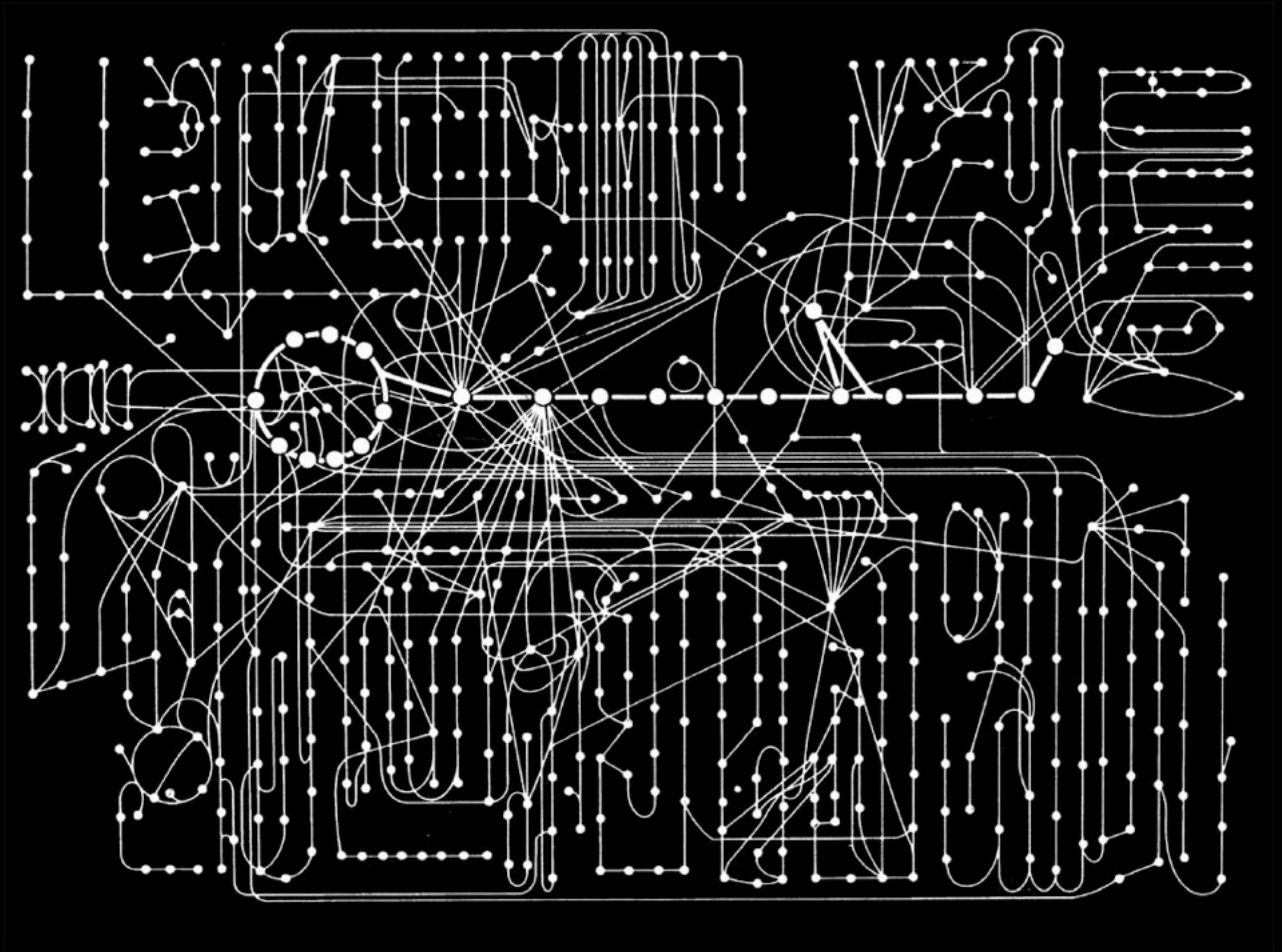
Emergence:
Morphogenetic Design
Strategies



Techniques and Technologies in
Morphogenetic
Design



Ames AX-3 Spacesuit, Rear View



Metabolic Network, human cell. From Kaufmann, Stuart *At Home in the Universe : The Search for the Laws of Self-Organization and Complexity*, 1996

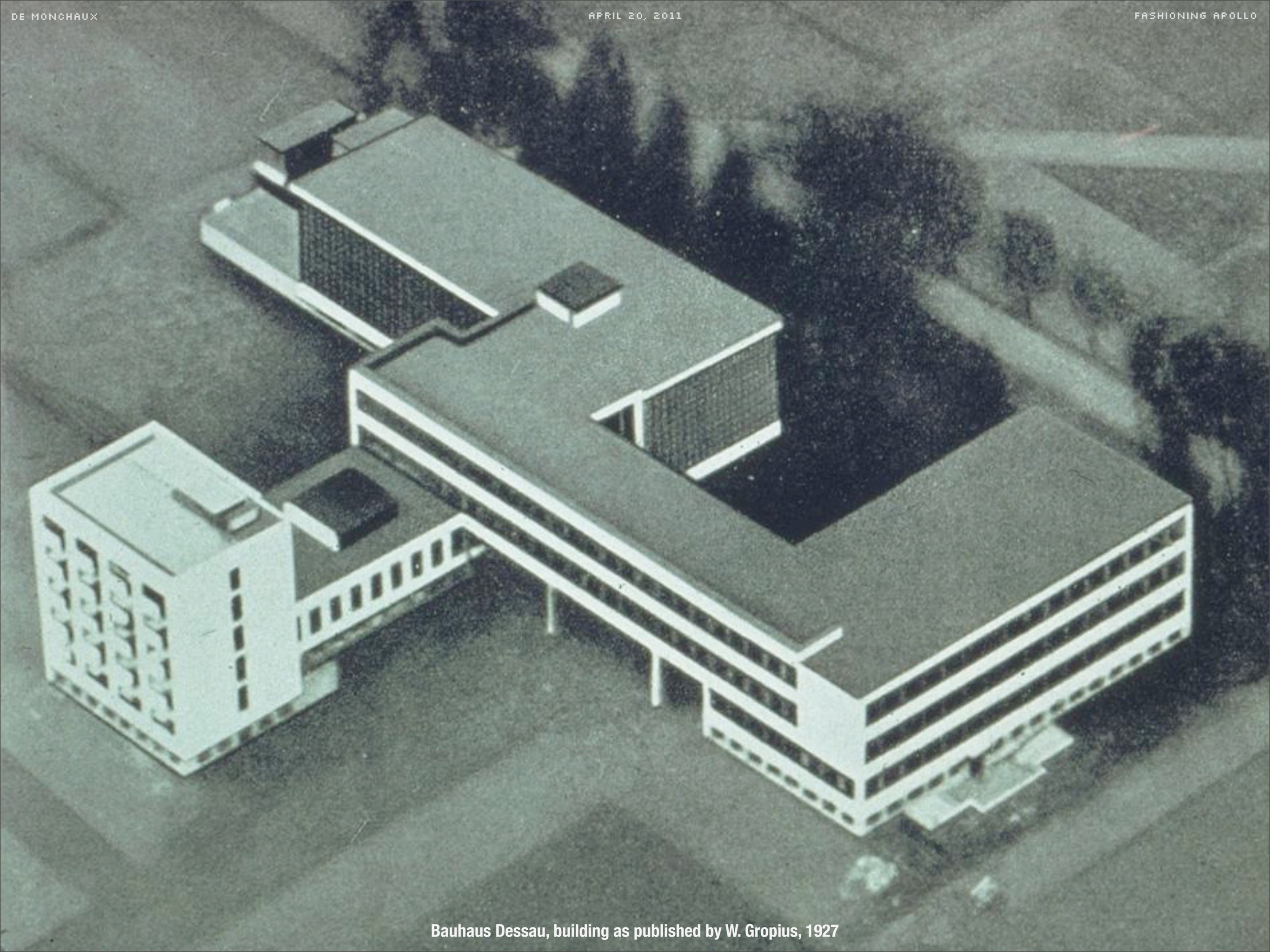


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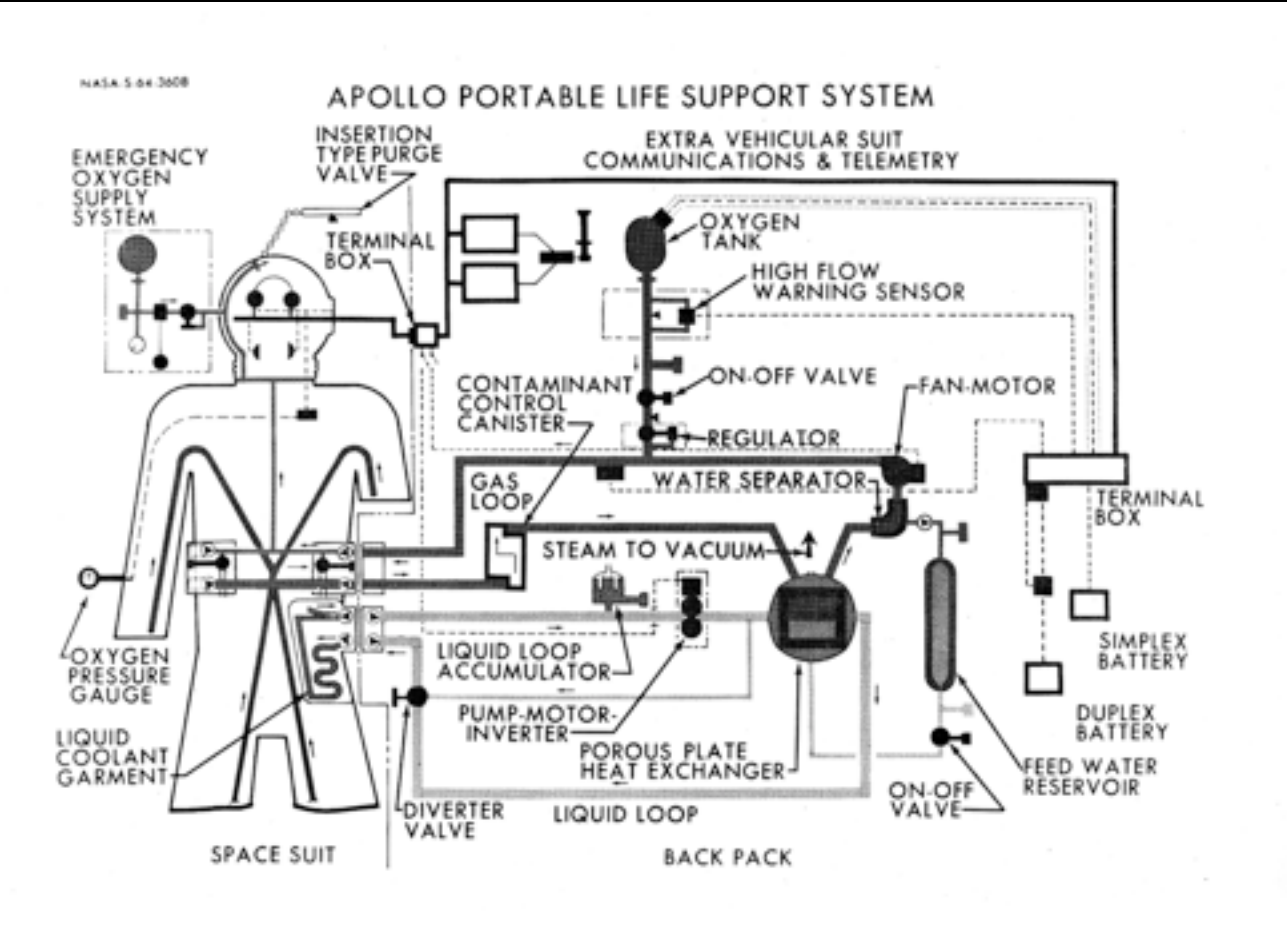
APRIL 20 2011

FASHIONING APOLLO

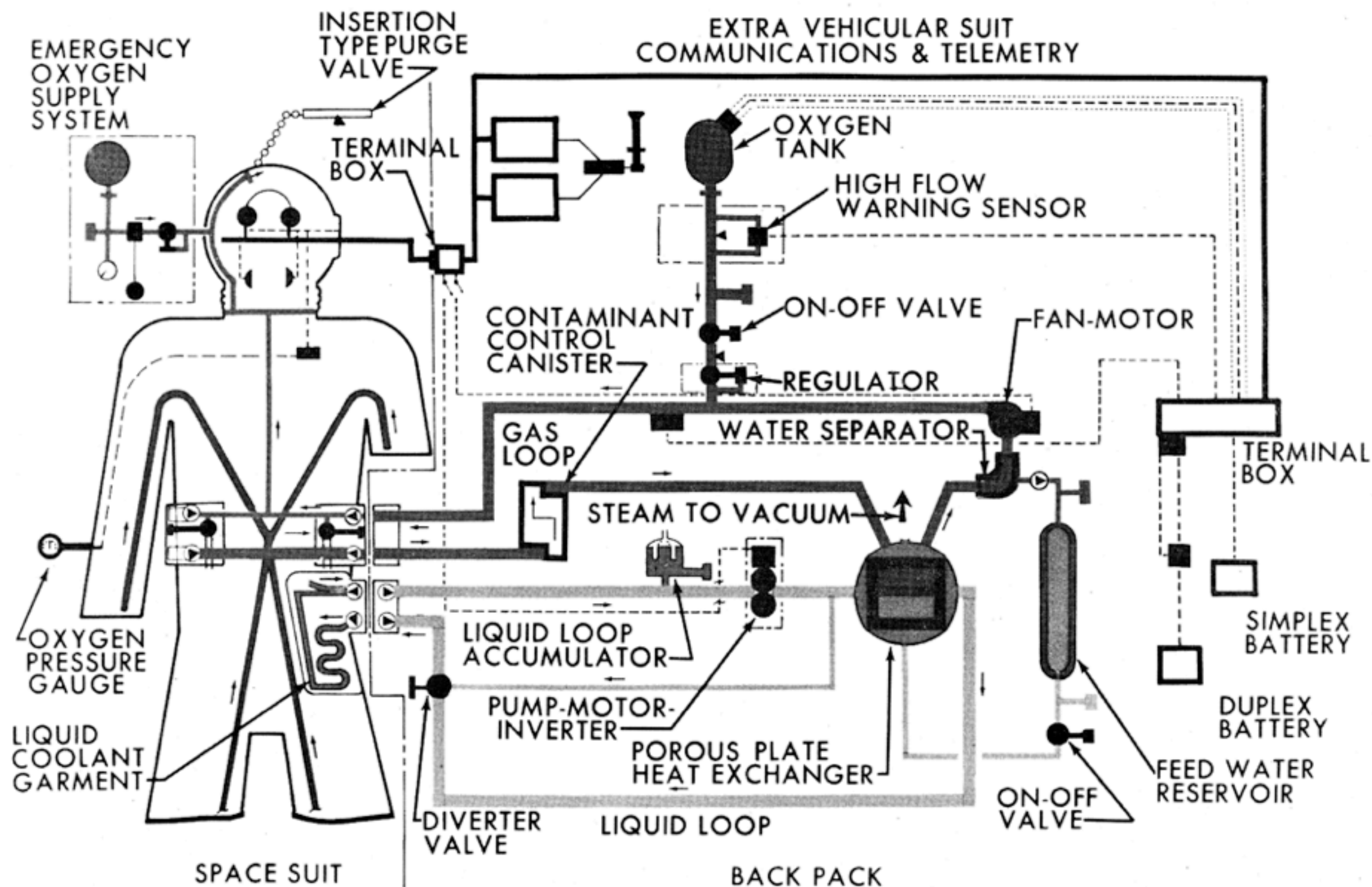
Dziga Vertov **Man with a Movie Camera** (Chelovek s kino-apparatom), 1929

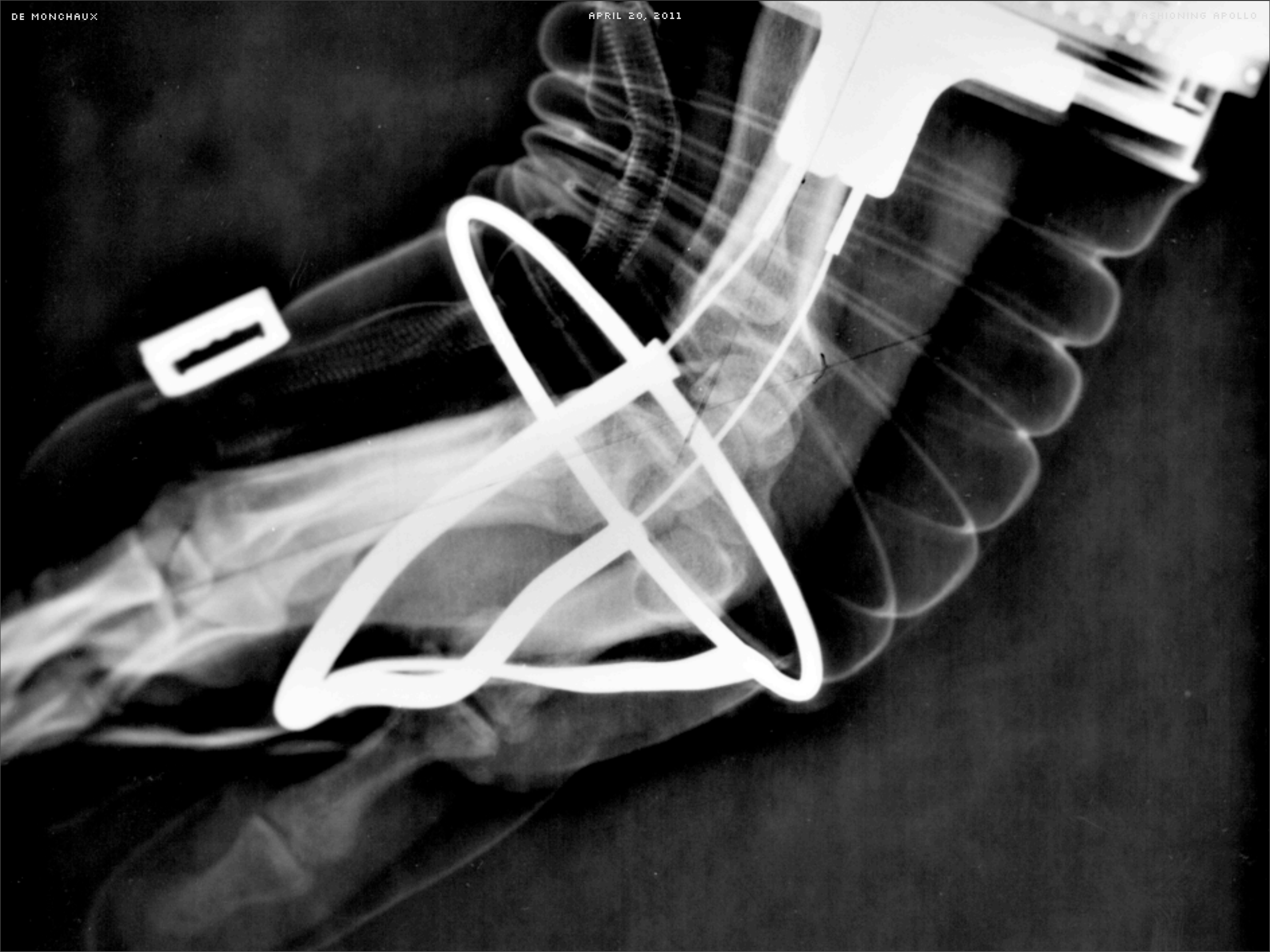


Bauhaus Dessau, building as published by W. Gropius, 1927



APOLLO PORTABLE LIFE SUPPORT SYSTEM







DE MONCHAUX

APRIL 20 2011

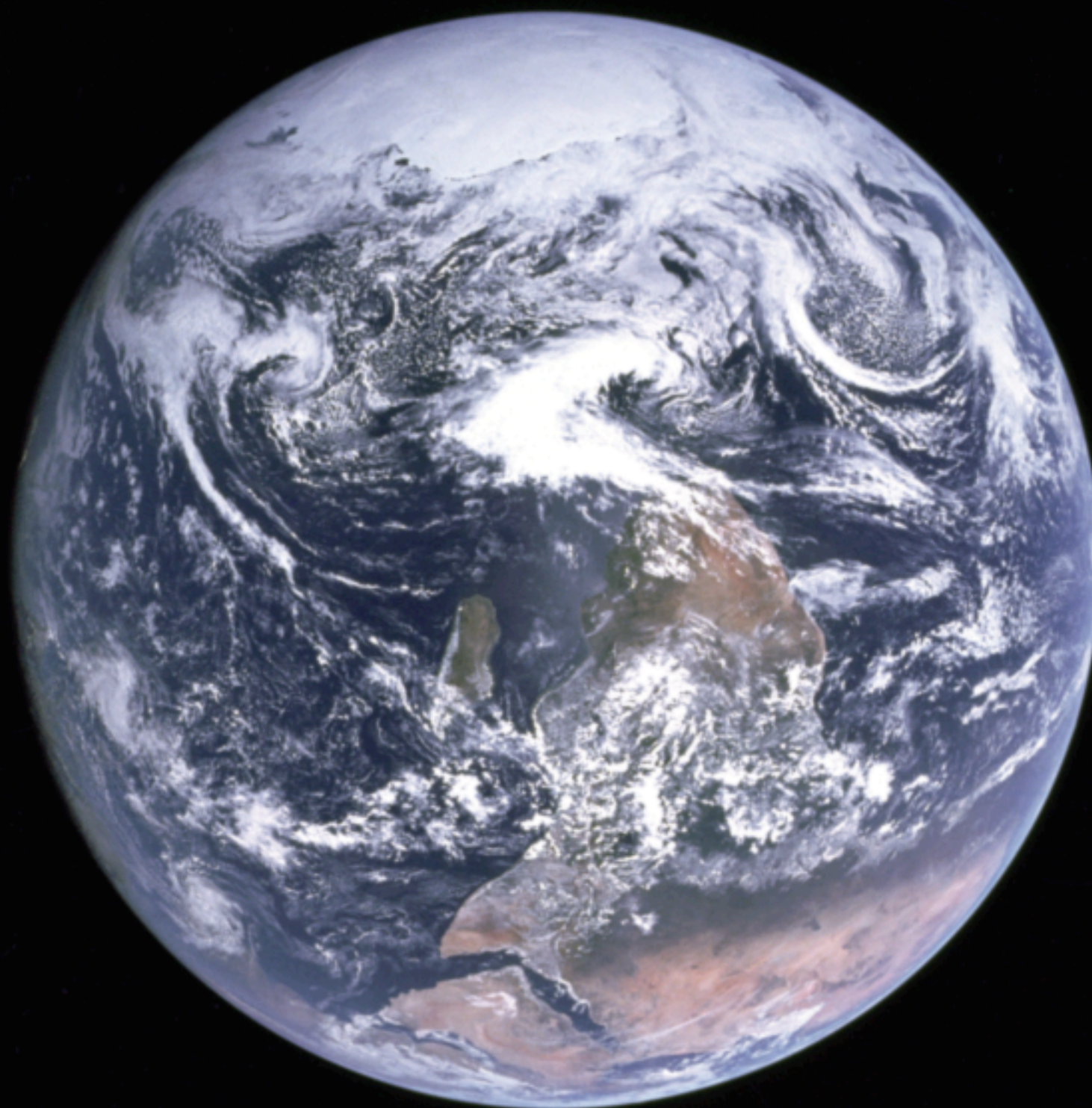
ASHIONING APOLLO





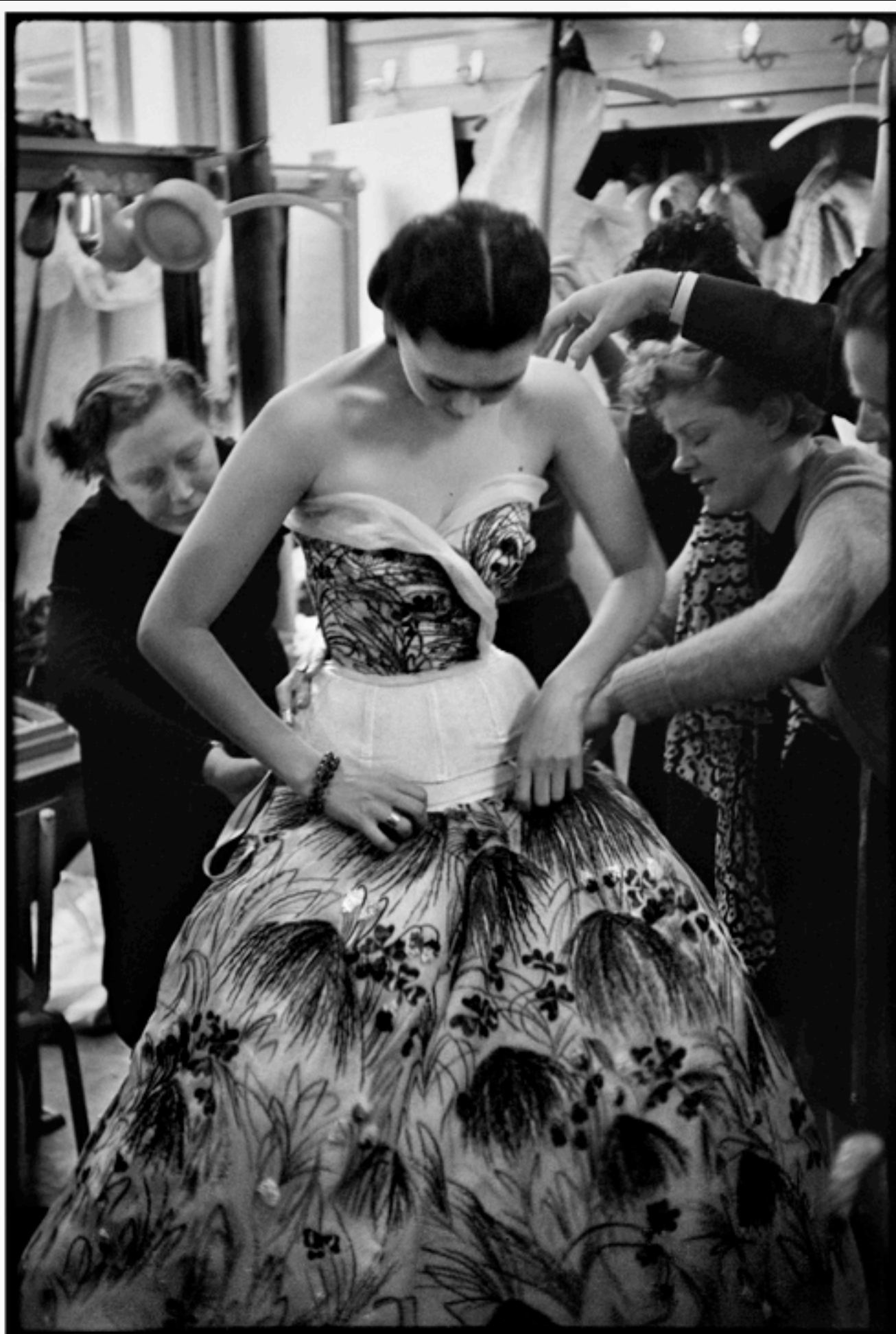


John Glenn shows President Kennedy a pressure chamber and
prototype Gemini space glove, July 4, 1962
NASA Photo 62-ADM-13



The whole earth photographed by Apollo 17 commander Eugene Cernan, December 1972, shown in its original orientation as photographed from the Apollo 17 Command Module *America*. NASA Image AS17-148-22727.





Backstage at the Spring/Summer 1953 Dior collection, "May"
dress from the Tulipe line, modeled by Alla.
Henri Cartier-Bresson / Magnum



Aldrin, Collins, and Armstrong walk along a corridor at the Kennedy Space Center on their way to the Saturn V/Apollo 11 vehicle. NASA Image AP11-69-H-1121.