

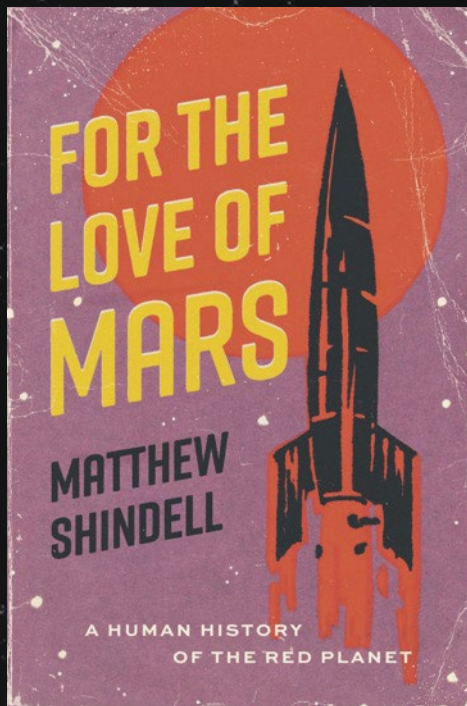
The Dream of Mars

A History of Imagining Life on Another World

Matthew Shindell
Space History Curator
National Air and Space Museum
Smithsonian Institution
Washington, DC



For the Love of Mars

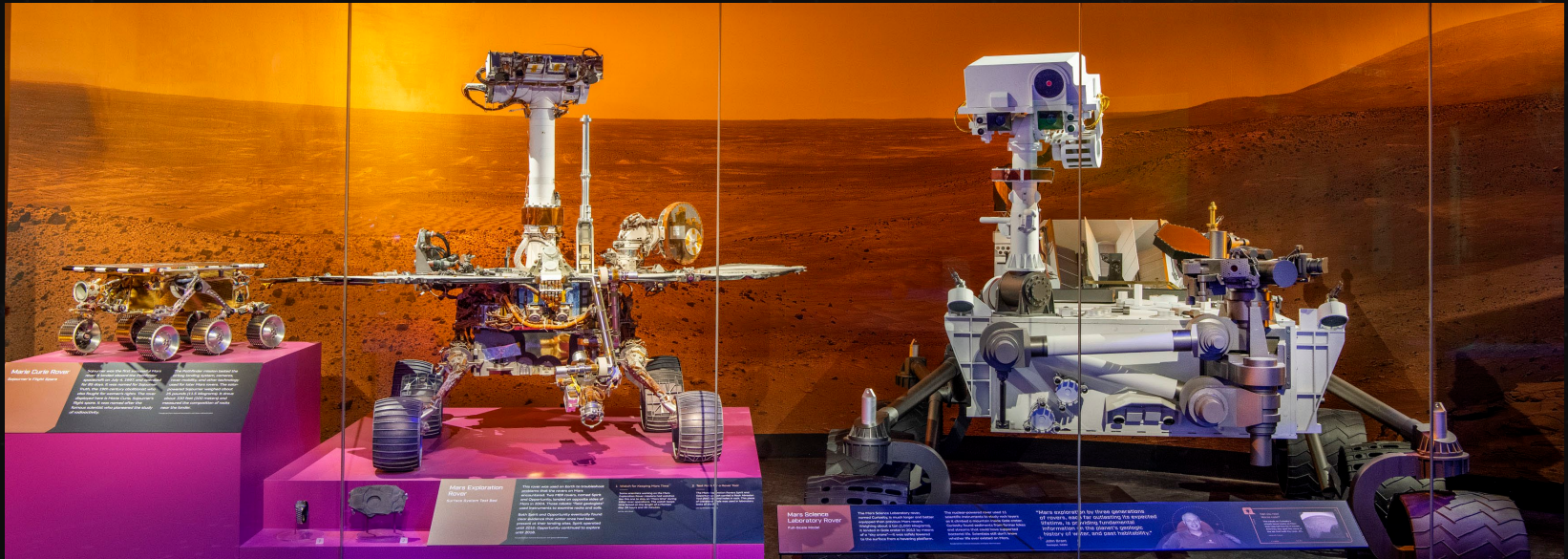


Available now in stores and on Amazon.com.

Coming



Exploring the Planets
National Air and Space Museum



Three Generations of Mars Rovers
National Air and Space Museum

SOME PEOPLE COMPLAIN
THAT WE SEE THE WORLD
THROUGH OUR CAMERAS.

KIDS THESE DAYS...



BUT TO ME, THE REALLY
EXCITING PART OF FINDING
SOMETHING NEW

WOW, YOU GOTTA
COME SEE THIS!



HAS ALWAYS BEEN
SHOWING IT TO OTHERS.

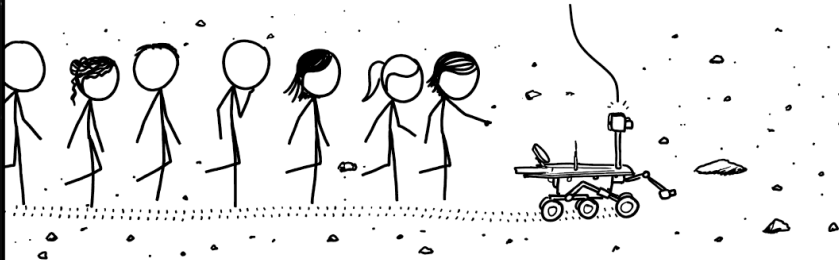
EXPLORING AN
ENTIRE NEW WORLD
WOULD ALREADY BE
THE ADVENTURE
OF A LIFETIME.



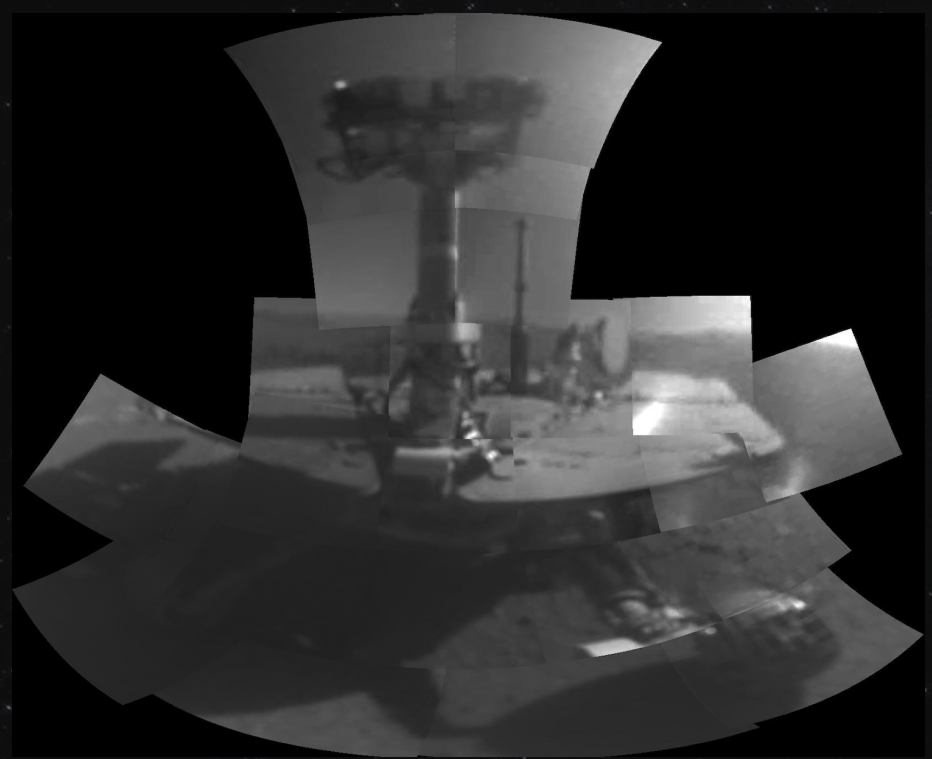
IMAGINE HAVING THE
CHANCE TO SHARE
EVERY NEW SIGHT

WITH SEVEN BILLION FRIENDS.

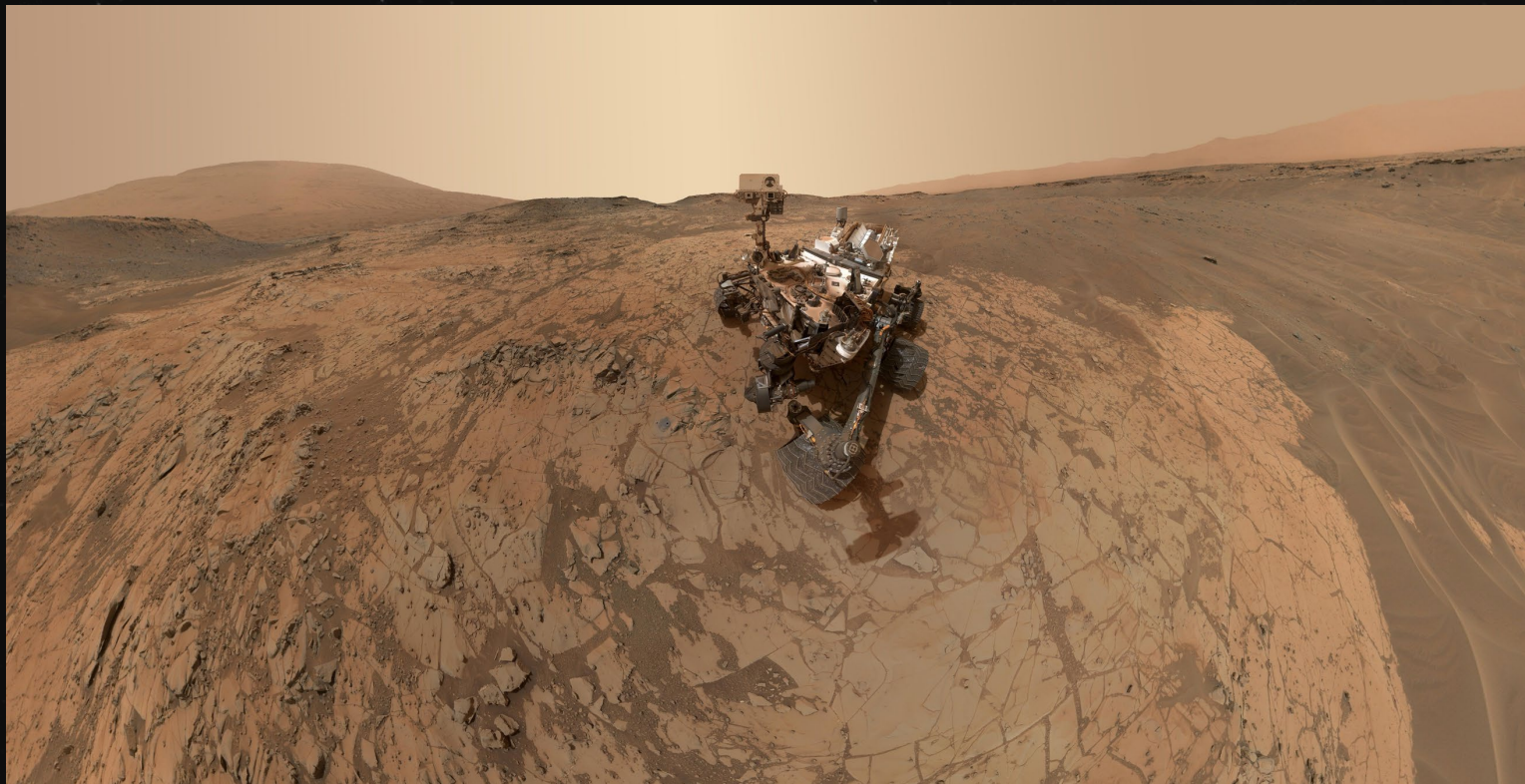
...AND HERE'S A TRENCH I DUG WITH MY WHEEL, AND HERE'S
WHERE A DUST DEVIL WENT *RIGHT* PAST ME, AND OVER THERE
IS THE BIGGEST CLIFF I'VE EVER SEEN, AND THIS IS...



XKCD web comic, "Opportunity Rover."



Opportunity's first "selfie" on Mars.
NASA/JPL.



Curiosity Rover, Selfie.
NASA/JPL-Caltech, 2015.



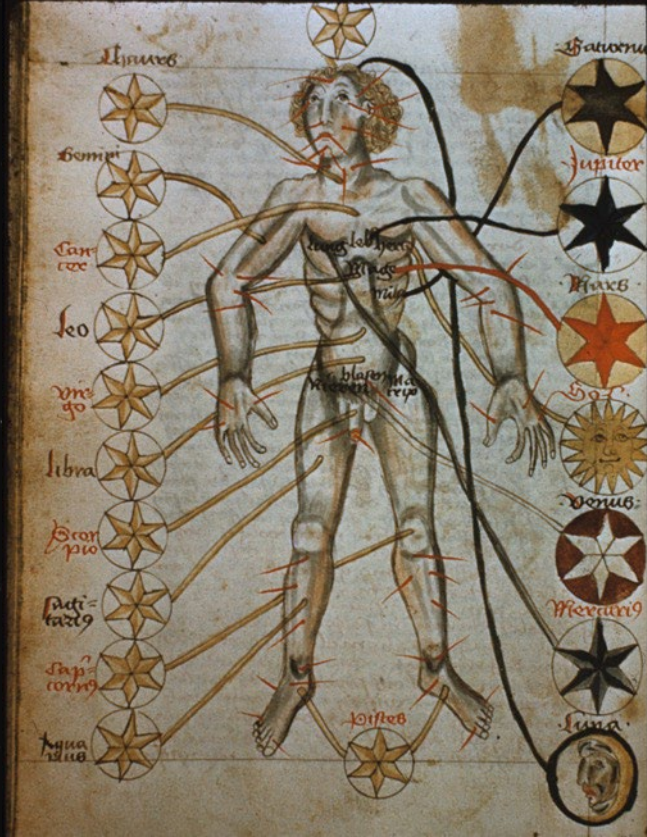
Mark Watney contemplates a familiar
Martian horizon.
Ridley Scott's *The Martian*.
20th Century Fox, 2015.



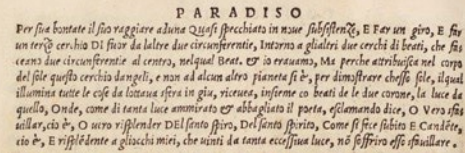
Settlement in a Martian cliffside.
The Expanse, Season 4.
Amazon Prime Video, 2019.



The "Mars Beast" in the Dresden Codex.
SLUB.



Zodiac man, from a 15th-century
German manuscript.
MacKinney Collection of Medieval
Medical Illustrations.



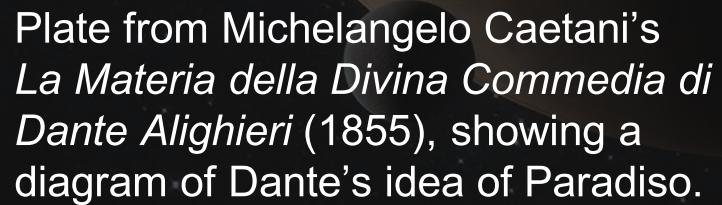
Ma Beatrice sì bella e sì ridente
Mi si mostrò; che tra quelle vedute
Sì uol lasciar, che non seguir la mente.

Vinta la mia infusa virtù da la troppa ecc
cessiva luce, che da quel cerchio d'angeli
mi uertua, Beat. mi si mostrò, dice'l poe



Illustration from Bartolomeu Velho's *Cosmographia* (1568).
Bibliothèque Nationale de France, Paris

IX. ORDINI DELLE TRE GERARCHIE CHE CIRANO INTORNO A DIO.





1908 facsimile of sections of Martin Behaim's 15th-century Erdapfel.
University of Wisconsin–Milwaukee Libraries.



Athanasius Kircher, *Itinerarium exstaticum* (1656).
Wellcome Collection.

spiritibus æternum amando fruar. *Cosmiel.* satis Theodidacte, en ad alia contemplanda procingimur; tempus est, ut reliquos nobis lustrandos mundanæ fabricæ globos adeamus. *Theodid:* fac quod iubes, relictoque solari globo mox in immensi ætheris domicilia longè sublimiori carpento quàm quo Prometheus vectum legimus, traduxit.

CAPVT VI.

*De itinere in globum Martis, & de mira
ejus constitutione.*

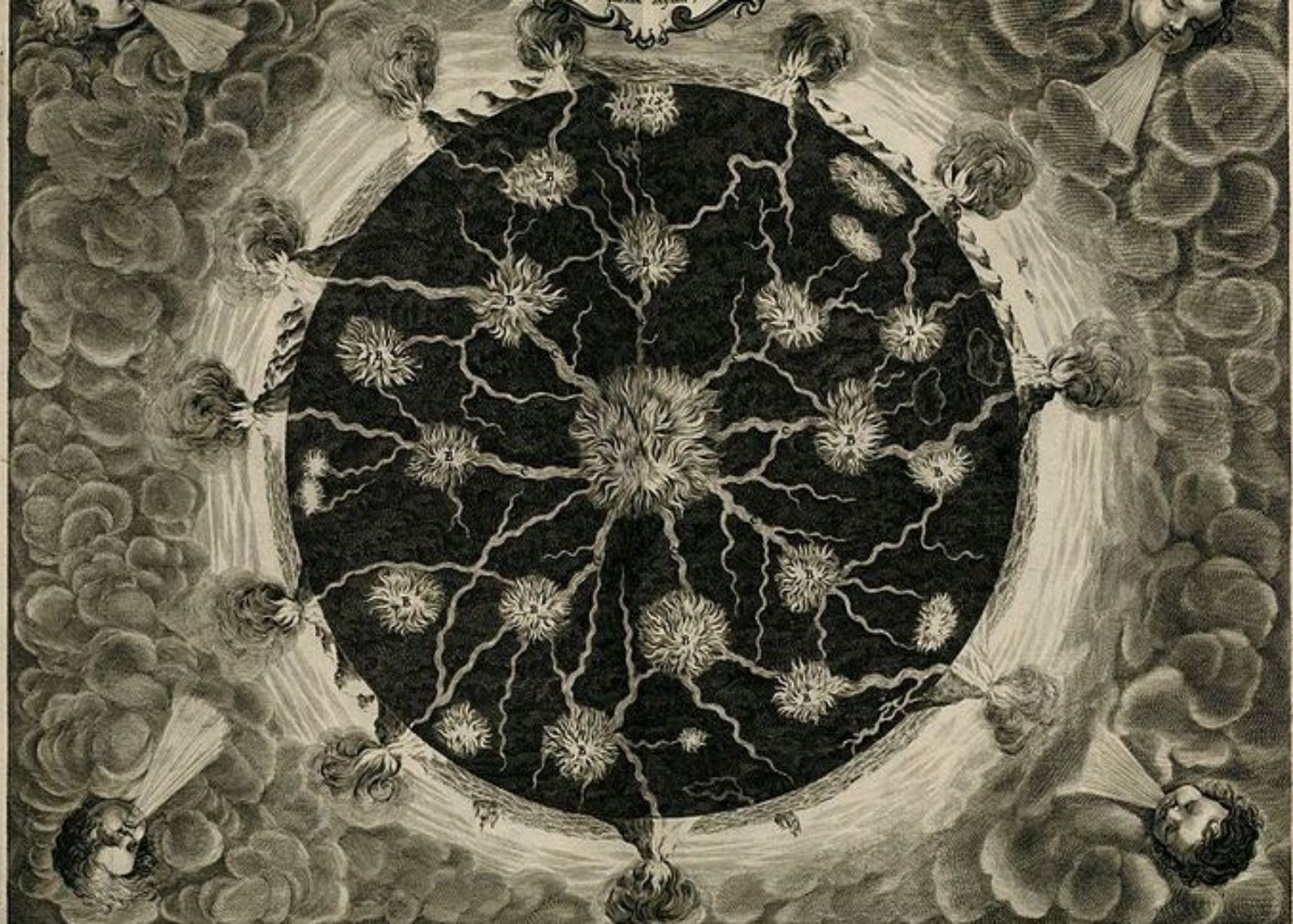
THEODIDACTVS. O *Cosmiel*, fidelis dux & director meus, vbinam locorum hæremus? & quando tandem noctem operiemus, quæ reliquam cælestis huius domicilij æconomiam contemplari possimus, siquidem adhuc vsque tempus (si tamen tempus in tam exotico rerum statu concipi possit) in perpetua eaque intensissima globi solaris luce morati, neque noctem, neque tenebras ullas, neque vllum ex reliquis mundanis globis videre contigit? Sed neque, quis mensis aut quis eius currens dies sit, recorder? *Cosmiel.* cum omnis temporis mensura sumatur ex comparatione immotæ telluris, ad eum, qui perpetuo circa eam sit siderum motum; in Sole verò ob intensam lucem omnes reliquorum globorum splendores evanescant,
cer-

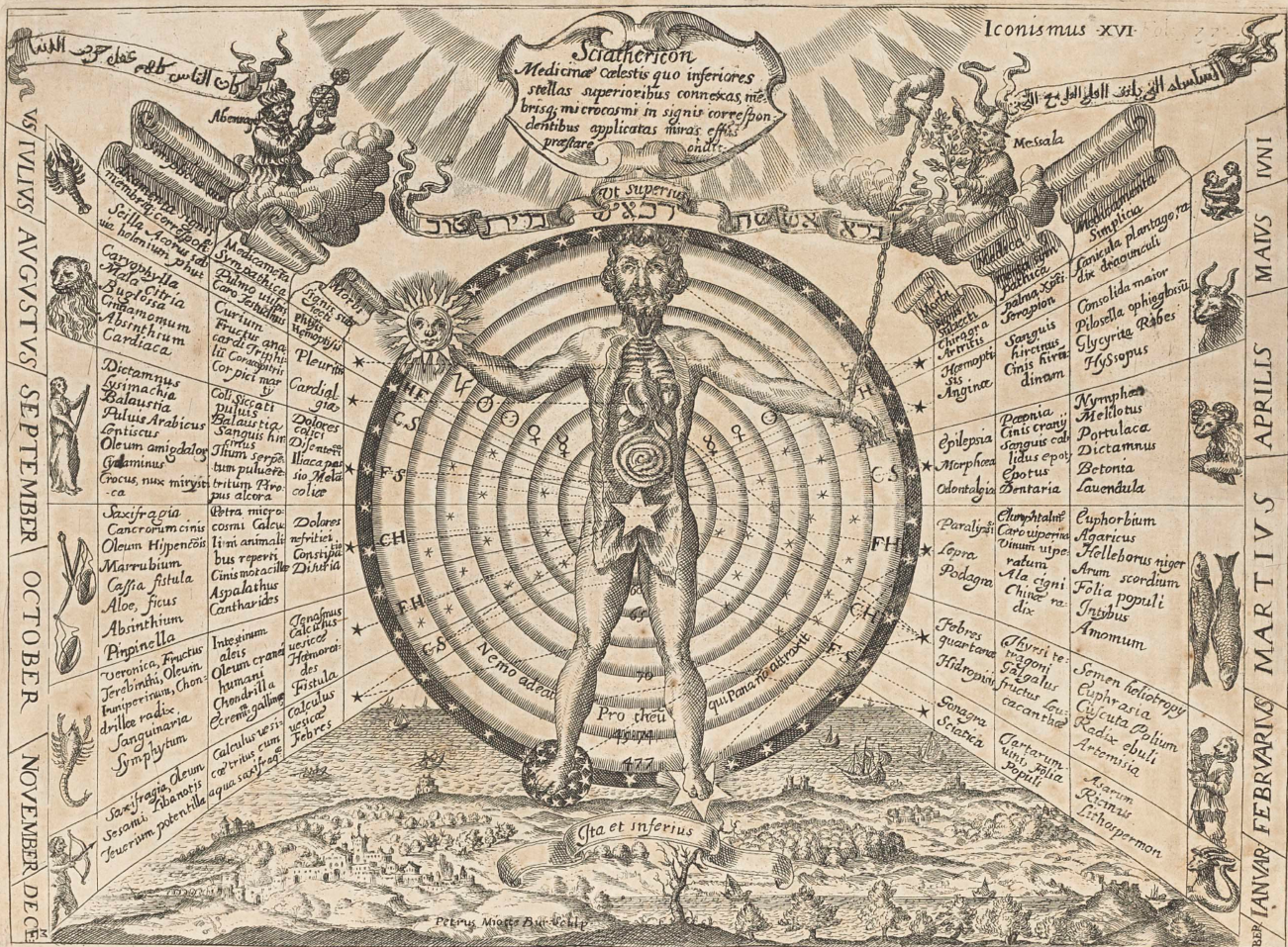
certum est in eo neque temporis mensuram, neque dierum noctiumque vicissitudines, neque ulla horarum discrimina assignari posse, cum hæc omnia exortu & occasu siderum, quorum hucusque nulum vidisti, dependeant; Scias tamen hoc eodem temporis momento, solem Romæ esse meridianum, festumque SS. Apostolorum Petri & Pauli summæ solennitate celebrari. *Theodid:* fierine potest, tam parum nos temporis à primo itineris nostri auspicio consumpsisse? *Cosmiel.* ita est, sed miranda rerum spectacula, quæ intuitus es, omne tibi hucusque impensum tempus breue reddiderunt; Sed agendum, prosequamur iter. Et mox incredibili velocitate in remotissimum me æthereæ regionis locum constituit *Cosmiel.* eleua oculos tuos. *Theodid:* O *Cosmiel*, horreo, cunctosque meos stupor occupat artus. *Cosmiel.* quid vides tanta admiratione dignum? *Theodid:* infernalem ego globum non oculis tantum intueri, sed & incredibili satidæque mephiti tantum non exanimatus sentire, quin & ingenti turbinum vertigine agitari videor: desine, desine obsecro ulterius provehi; magna enim mihi mala ab hoc globo imminere auguror; siquidem cholericæ pathemate penitus, & nescio quo iræ & indignationis motu incandescere sentio. *Cosmiel.* ne timeas fili mi, cum enim intra vorticem seu atmosphæram Martij globi constituaris, mirum non est, te vehementi eius influxu in tanta cholericæ affectionis pathemata concitari; contra quæ hoc balsami vitæ

Videri Theodidactum
globum Martis
constitutum; se-
coram eius
& influxus
vim.

TYPUS MONTIS
Æ T N Æ
ab Authore
Observati
A:1637.









18th-century mappemonde with astronomical observations of the Sun, Moon, and planets. Library of Congress.



Henrique Alvim Corrêa's
Martian illustrations in a
1906 French edition of H. G.
Wells, *The War of the
Worlds*.



Globes of Mars made in the 19th and early 20th centuries
present a world of continents and seas or one of vast
deserts and canal systems.
Whipple Museum of the History of Science, Cambridge.



American flag on Mars, displayed on
Viking 1 lander, 1976.
NASA.



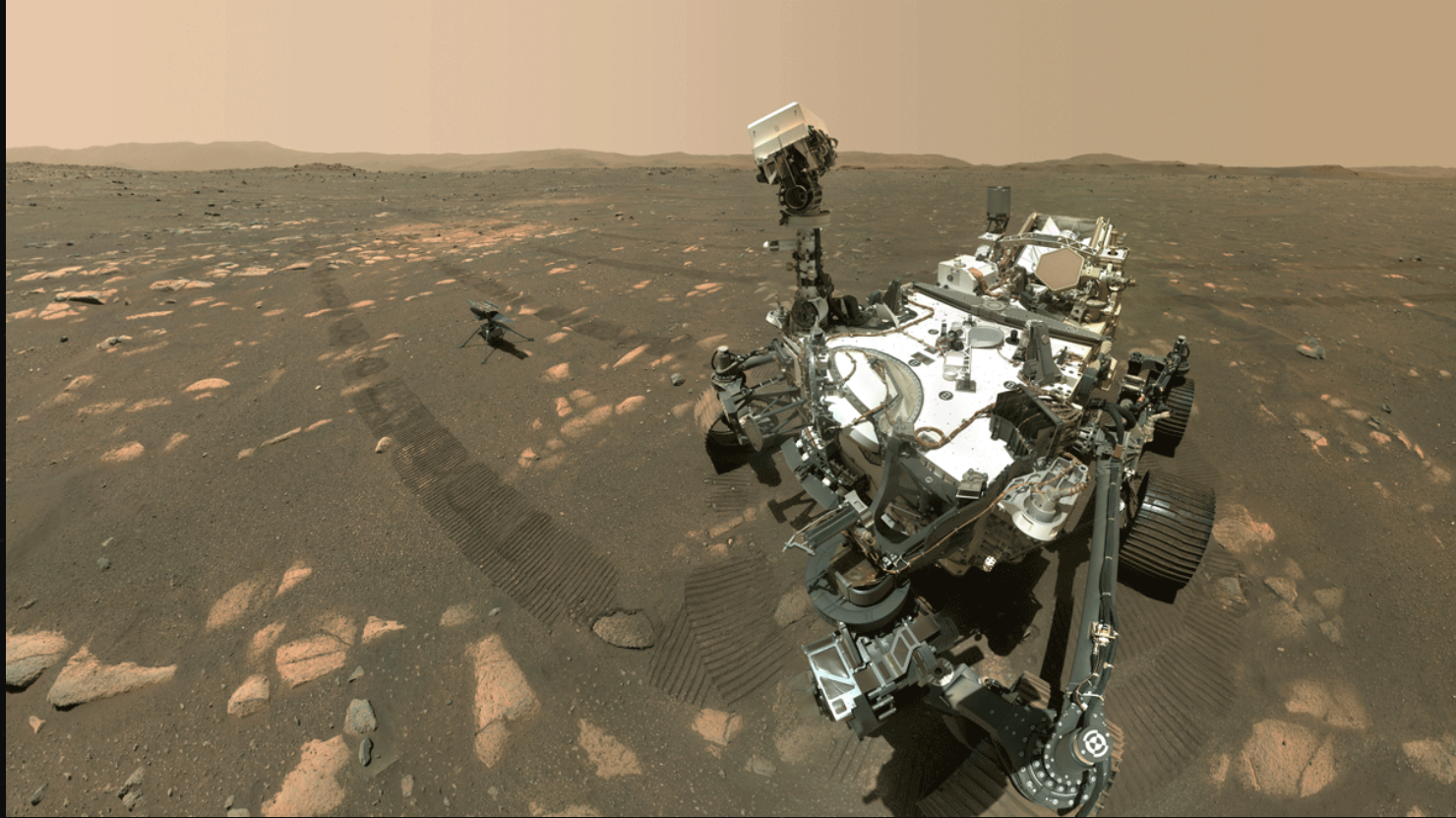
Mariner 9 Photomosaic Globe.
National Air and Space Museum.



Chesley Bonestell's illustration of a landing party
Included in Wernher von Braun and Willy Ley's
The Exploration of Mars (1956).
National Air and Space Museum.



Eric Brevig and Alex Funke in front of the miniature sets built for the 1990 film Total Recall.
Image courtesy of Eric Brevig.



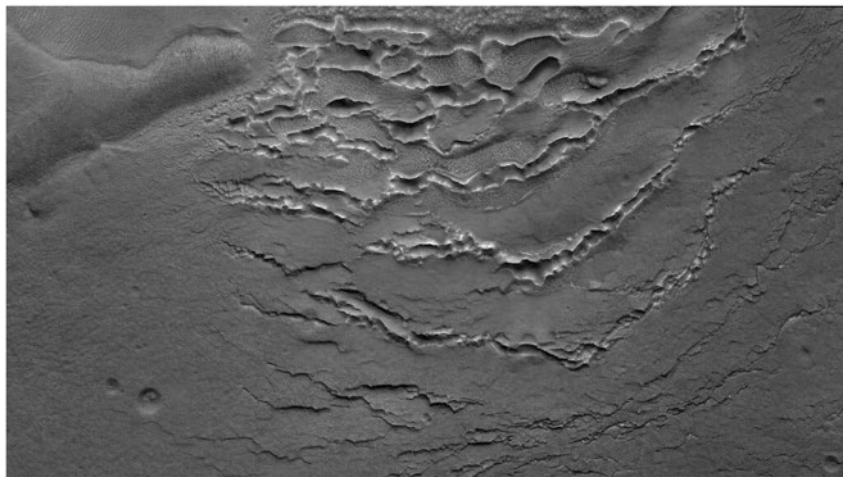
Perseverance Rover, Selfie with Ingenuity.
NASA/JPL-Caltech, 2021.

Katherine Kornei, "House-Hunting on Mars Has Already Started."
New York Times. October 29, 2022.

House-Hunting on Mars Has Already Started

Researchers identified nine caves on the red planet that might make suitable shelters for future astronauts.

 Give this article



A detail of the Deuteronilus Mensae region of Mars where researchers on Earth found a number of caves that could be suitable dwellings for future human visitors.
NASA/JPL/University of Arizona

By Katherine Kornei

Published Oct. 29, 2022 Updated Oct. 30, 2022



LOFTID Inflatable Heat Shield.

“In order to put people into space on the moon or send them to Mars, we need stuff — lots of it, which means we need to put a lot of mass into space,” Joe Del Corso.



Futures in Space
What will our lives be like?

**Thank
You**



