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Genius

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NATIONAL GEOGRAPHIC

ARTIST,
PROVOCATEUR,
ROGUE,
GENIUS,
PICASSO.

*"When I was a child,
my mother said
to me, 'If you become
a soldier, you'll be
a general. If you
become a monk, you'll
end up as the pope!'
Instead, I became
a painter and wound
up as Picasso."*

PLOTTING PLUTO

BY MATTHEW W. CHWASTYK

DISCOVERY

1 VENETIA BURNEY

This 11-year-old British girl gets credit for the idea to name the celestial body "Pluto," after the Roman god of the underworld.



2 CLYDE TOMBAUGH

He discovered the dwarf planet on February 18, 1930, while working at Lowell Observatory in Flagstaff, Arizona.



SCIENTISTS AND EXPLORERS

3 MUHAMMAD AL-IDRISI

The 12th-century Arab cartographer's book of global maps, *The Book of Pleasant Journeys Into Faraway Lands*, remained a definitive record for centuries.

4 JAMES LUDLOW ELLIOT

By carefully observing how planets block and reveal the light of distant stars, he discovered Uranus's rings and Pluto's thin atmosphere.

5 EDMUND HILLARY

The New Zealand mountaineer and Sherpa Tenzing Norgay were the first people to summit Mount Everest, Earth's highest point.

6 TENZING NORGAY

The icy mountain range—as high as 11,000 feet (3,350 meters)—is named for the Nepali Sherpa.

Latin translations

Cavus: steep-sided depression
 Dorsa: ridges
 Fossa, fossae: long, narrow depression(s)
 Montes: mountains
 Planitia: low plain
 Regio: region
 Terra: large landmass



ART: MATTHEW TWOMBLY SOURCES: ALAN STERN, SOUTHWEST RESEARCH INSTITUTE; R. SCHULZ, IAU-WGPSN; R. HAYWARD, USGS; NASA/JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY

Pluto's landscape was unknowable until the spacecraft New Horizons sped past in 2015. Now our cartographers have created National Geographic's first map of the dwarf planet, with Pluto's physical features officially named by the International Astronomical Union. Here are the people, spacecraft, and myths that provided inspiration.



Pluto's diameter is 1,476 mi (2,376 km), 19 percent of Earth's 7,926 mi (12,756 km).



PIONEERING SPACECRAFT

7 VOYAGER

The twin probes from NASA's first interstellar mission launched in 1977. Voyager 1 has left the solar system; Voyager 2 is on its way.

8 SPUTNIK

Launched by the U.S.S.R. in 1957, Sputnik 1 was the first human-made satellite to successfully enter Earth orbit.

9 HAYABUSA

In 2005 this unmanned Japanese spacecraft captured the first ever sample of a near-Earth asteroid.

UNDERWORLD MYTHOLOGY

10 DJANGGAWUL

In some Aboriginal lore the Djanggawul are three siblings from the land of the dead who created Earth's vegetation.

11 VIRGIL

In Dante's *Divine Comedy* the spirit of this ancient Roman poet guides the author through the levels of hell and purgatory.

12 ADLIVUN

From Inuit mythology, Adlivun, or "those who live beneath us," is both an icy, barren underworld and the souls who reside in it.

13 SLEIPNIR

In Norse mythology this eight-legged horse carries the god Odin on journeys to the underworld.

14 TARTARUS

The deepest pit in the ancient Greek underworld, it is a prison for criminals, monsters, and defeated deities.

