



THE  
EXTRAORDINARY  
ELEMENTS  
POSTCARD COLLECTION

COLIN STUART



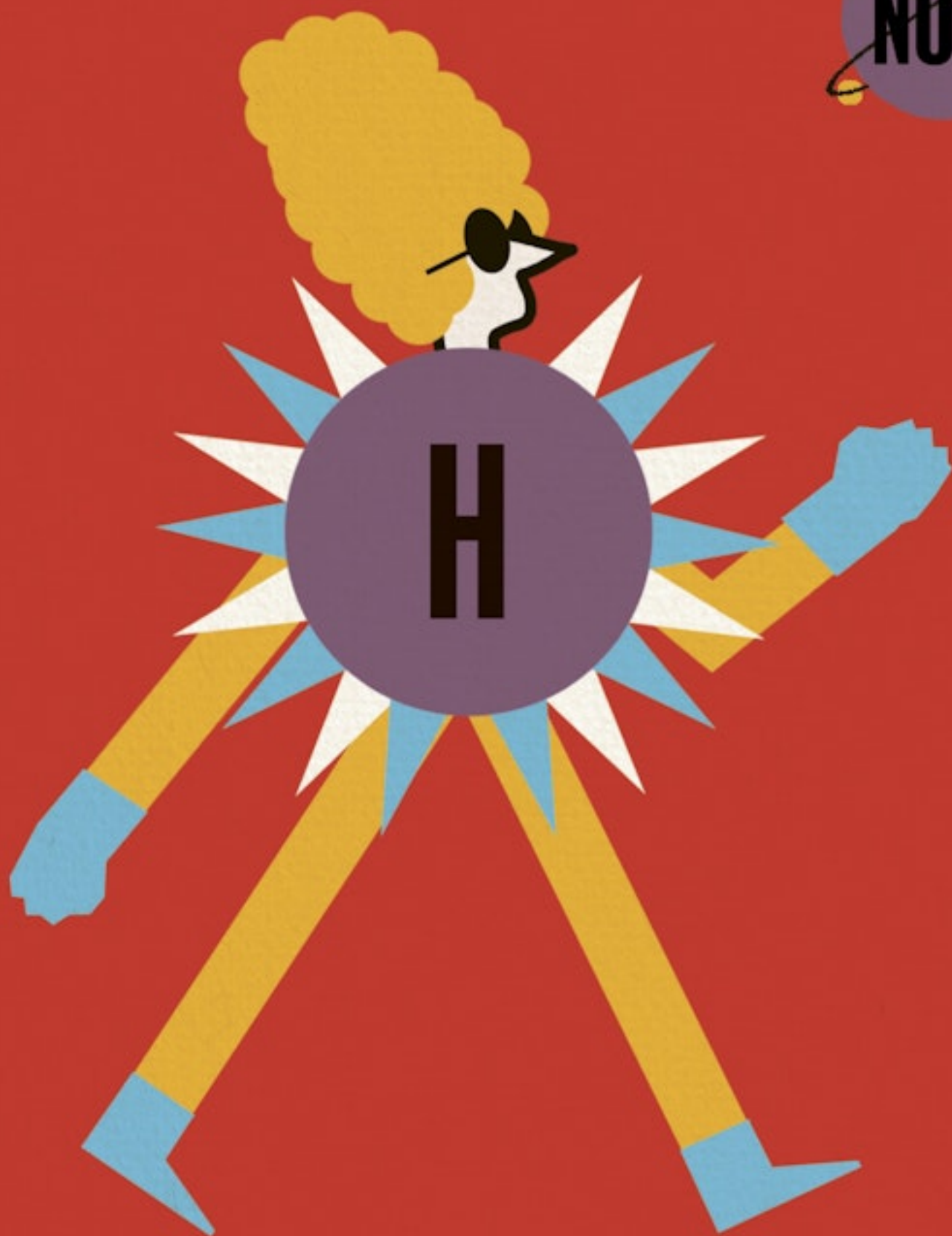
XIMO ABADÍA



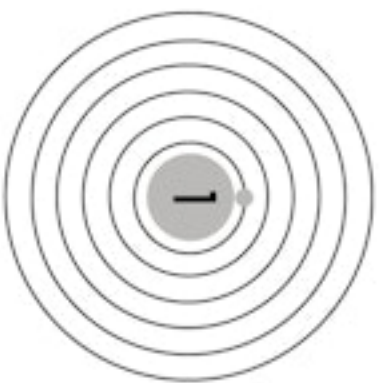
B  
I  
G  
P  
I  
C  
T  
U  
R  
E  
P  
R  
E  
S  
S



# HYDROGEN



*THE* REACTIVE NON-METALS



## HYDROGEN

The element that fuels the majority of stars.

# THE EXTRAORDINARY ELEMENTS

COLIN STUART AND XIMO ABADÍA

The Extraordinary Elements • © Colin Stuart and Ximo Abadía and Big Picture Press

---

---

---

---

---

---

---

---



# LITHIUM



*THE* **ALKAL<sup>i</sup> METALS**



## LITHIUM

This element creates the red colour in fireworks and is the title of a famous Nirvana single.

# THE EXTRAORDINARY ELEMENTS

COLIN STUART AND XIMO ABADÍA

The Extraordinary Elements • © Colin Stuart and Ximo Abadía and Big Picture Press

---

---

---

---

---

---

---

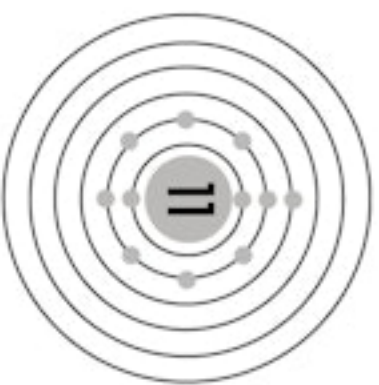
---



# SODIUM



*THE* **ALKALI METALS**



**SODIUM** This is often used in baking as sodium bicarbonate.

# THE EXTRAORDINARY ELEMENTS

COLIN STUART AND XIMO ABADÍA

The Extraordinary Elements • © Colin Stuart and Ximo Abadía and Big Picture Press

---

---

---

---

---

---

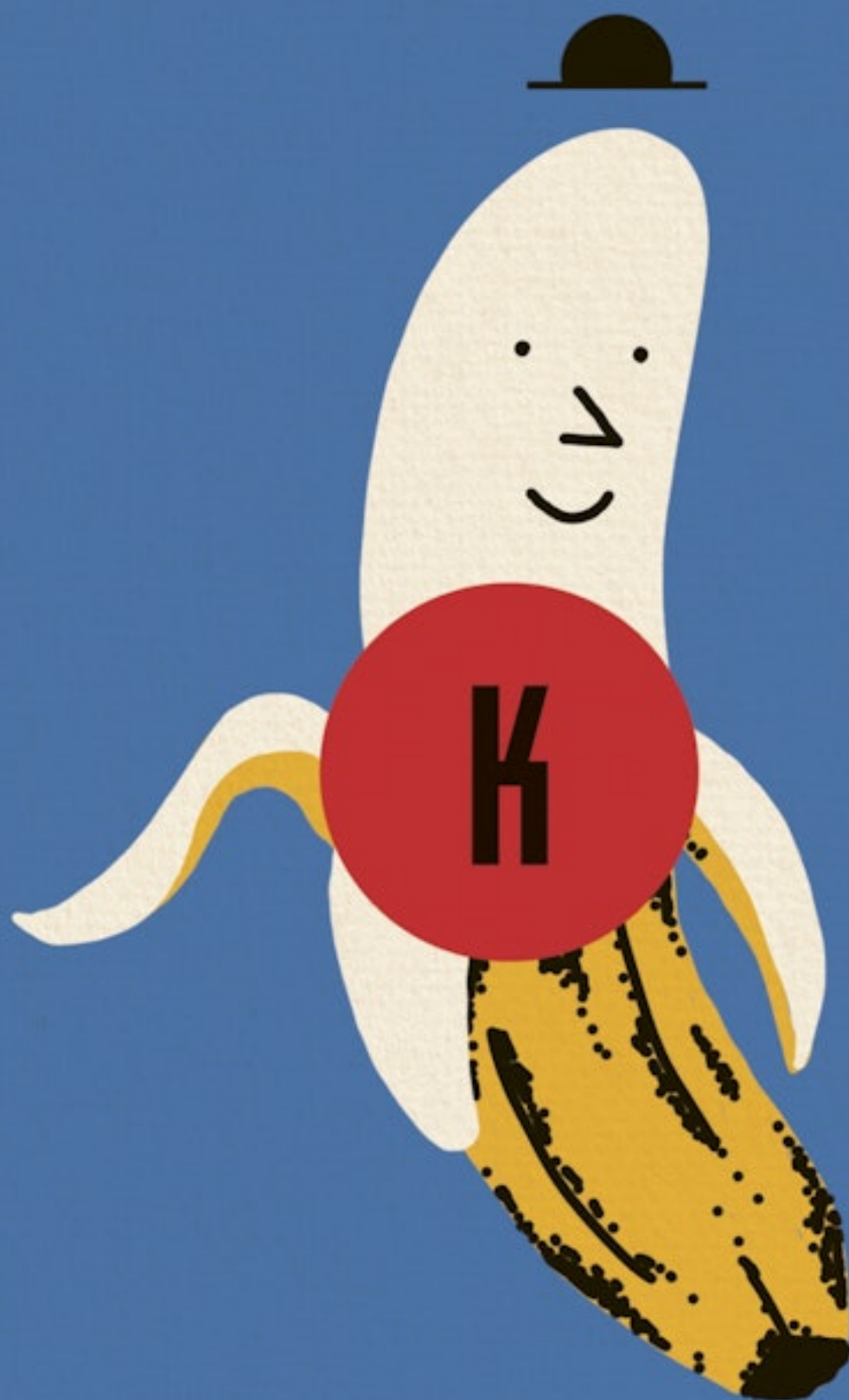
---

---





# POTASSIUM



---

*THE* **ALKALI METALS**

---





# THE EXTRAORDINARY ELEMENTS

COLIN STUART AND XIMO ABADÍA

---

---

---

---

---

---

---

---

## POTASSIUM

Bananas are rich in potassium, which is vital to human life.

The Extraordinary Elements • © Colin Stuart and Ximo Abadía and Big Picture Press

# RUBIDIUM



---

*THE* **ALKALI METALS**

---



## RUBIDIUM

This is an excellent detector of cancerous cells.

# THE EXTRAORDINARY ELEMENTS

COLIN STUART AND XIMO ABADÍA

---

---

---

---

---

---

---

---



# CAESIUM



*THE* **ALKALI METALS**



## CAESIUM

Atomic caesium clocks are the most accurate on Earth.

# THE EXTRAORDINARY ELEMENTS

COLIN STUART AND XIMO ABADÍA

The Extraordinary Elements • © Colin Stuart and Ximo Abadía and Big Picture Press

---

---

---

---

---

---

---

---

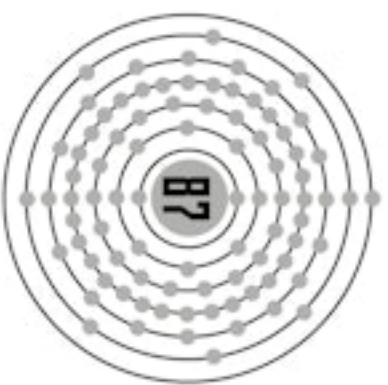


# FRANCIUM



*THE* **ALKALI METALS**





# THE EXTRAORDINARY ELEMENTS

COLIN STUART AND XIMO ABADÍA

---

---

---

---

---

---

---

---

**FRANCIUM**

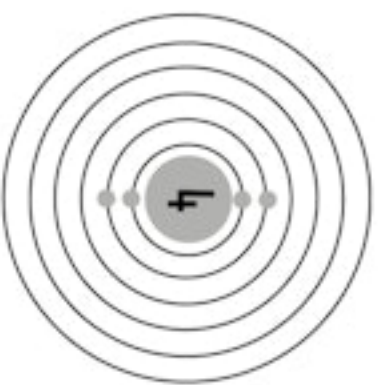
This element was discovered by French physicist, Marguerite Perey.

The Extraordinary Elements • © Colin Stuart and Ximo Abadía and Big Picture Press

# BERYLLIUM



*THE* ALKALI EARTH METALS



## **BERYLLIUM**

This element is used in weather-monitoring satellites.

# THE EXTRAORDINARY ELEMENTS

COLIN STUART AND XIMO ABADÍA

The Extraordinary Elements • © Colin Stuart and Ximo Abadía and Big Picture Press

---

---

---

---

---

---

---

---





# MAGNESIUM



---

*THE* **ALKALI EARTH METALS**

---



## MAGNESIUM

A key component of chlorophyll in plants.

# THE EXTRAORDINARY ELEMENTS

COLIN STUART AND XIMO ABADÍA

---

---

---

---

---

---

---

---



# CALCIUM



---

*THE* **ALKALI EARTH METALS**

---





## CALCIUM

Medics often use calcium sulfate as plaster.

# THE EXTRAORDINARY ELEMENTS

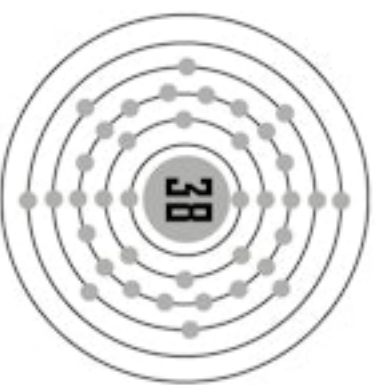
COLIN STUART AND XIMO ABADÍA

The Extraordinary Elements • © Colin Stuart and Ximo Abadía and Big Picture Press

# STRONTIUM



*THE* **ALKALI EARTH METALS**



## STRONTIUM

This silvery metal is often used in TV sets.

# THE EXTRAORDINARY ELEMENTS

COLIN STUART AND XIMO ABADÍA

The Extraordinary Elements • © Colin Stuart and Ximo Abadía and Big Picture Press

---

---

---

---

---

---

---

---

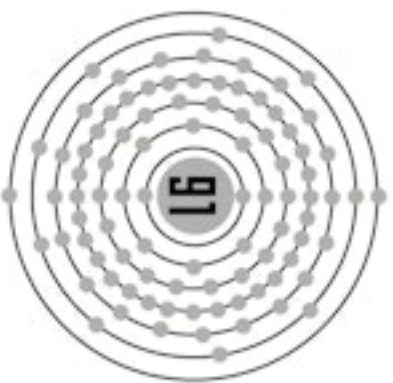


# BARIUM

NO. 56



*THE* ALKALI EARTH METALS



# THE EXTRAORDINARY ELEMENTS

COLIN STUART AND XIMO ABADIA

## PROTACTINIUM

One of the rarest elements on Earth, the presence of protactinium in ocean sediments allowed geologists to work out how the sea changed during the last ice age.

The Extraordinary Elements • © Colin Stuart and Ximo Abadia and Big Picture Press

---

---

---

---

---

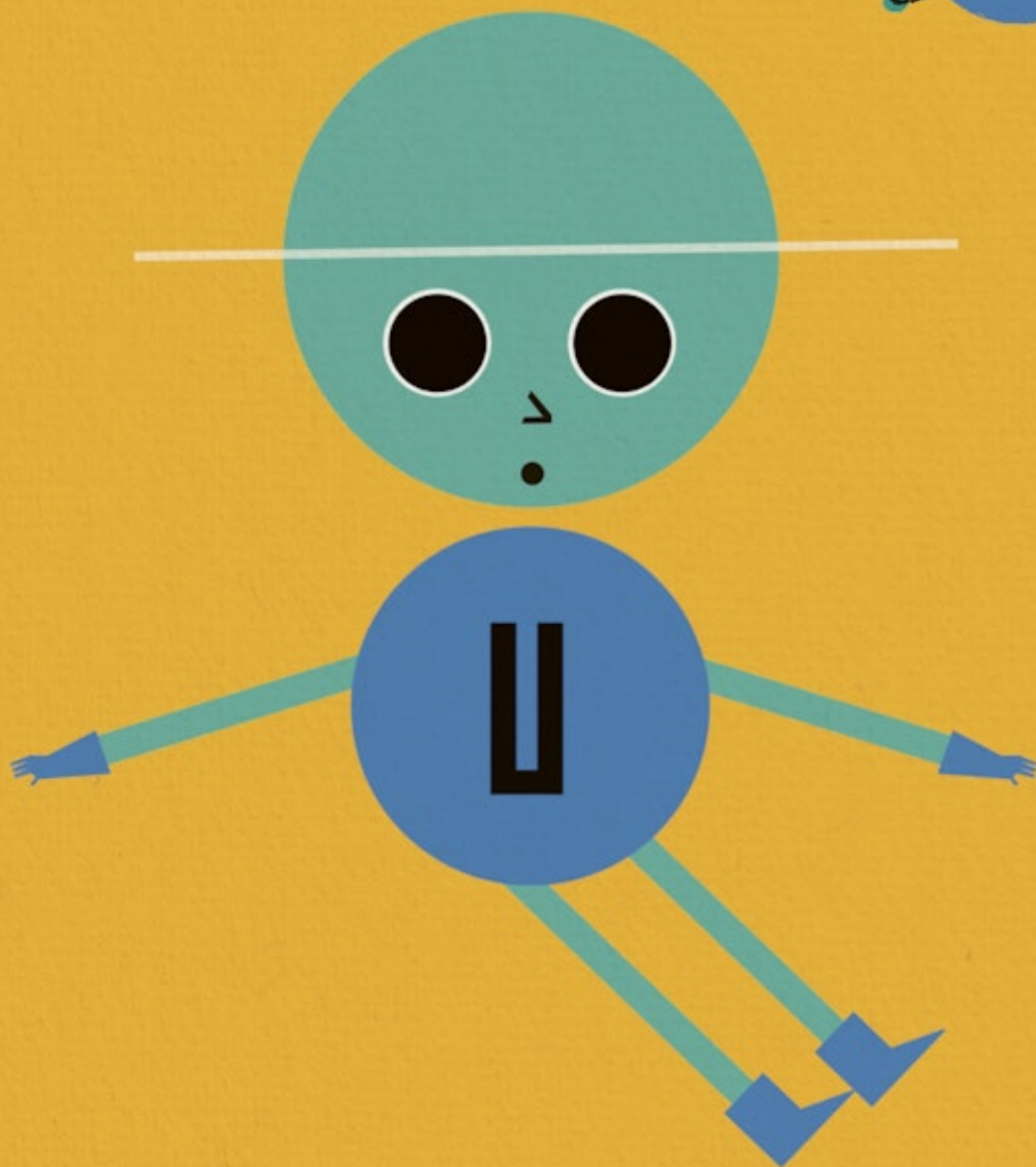
---

---

---

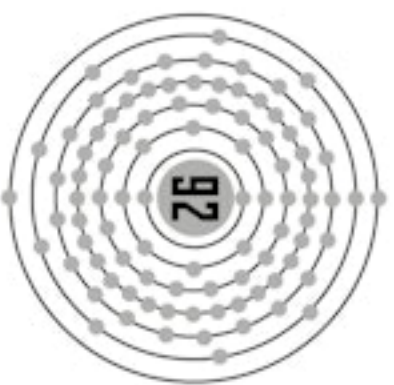


# URANIUM



*THE* **ACTINIDES**





## URANIUM

Named after the planet Uranus, this element is used in nuclear submarines and nuclear weapons.

# THE EXTRAORDINARY ELEMENTS

COLIN STUART AND XIMO ABADÍA

The Extraordinary Elements • © Colin Stuart and Ximo Abadía and Big Picture Press

---

---

---

---

---

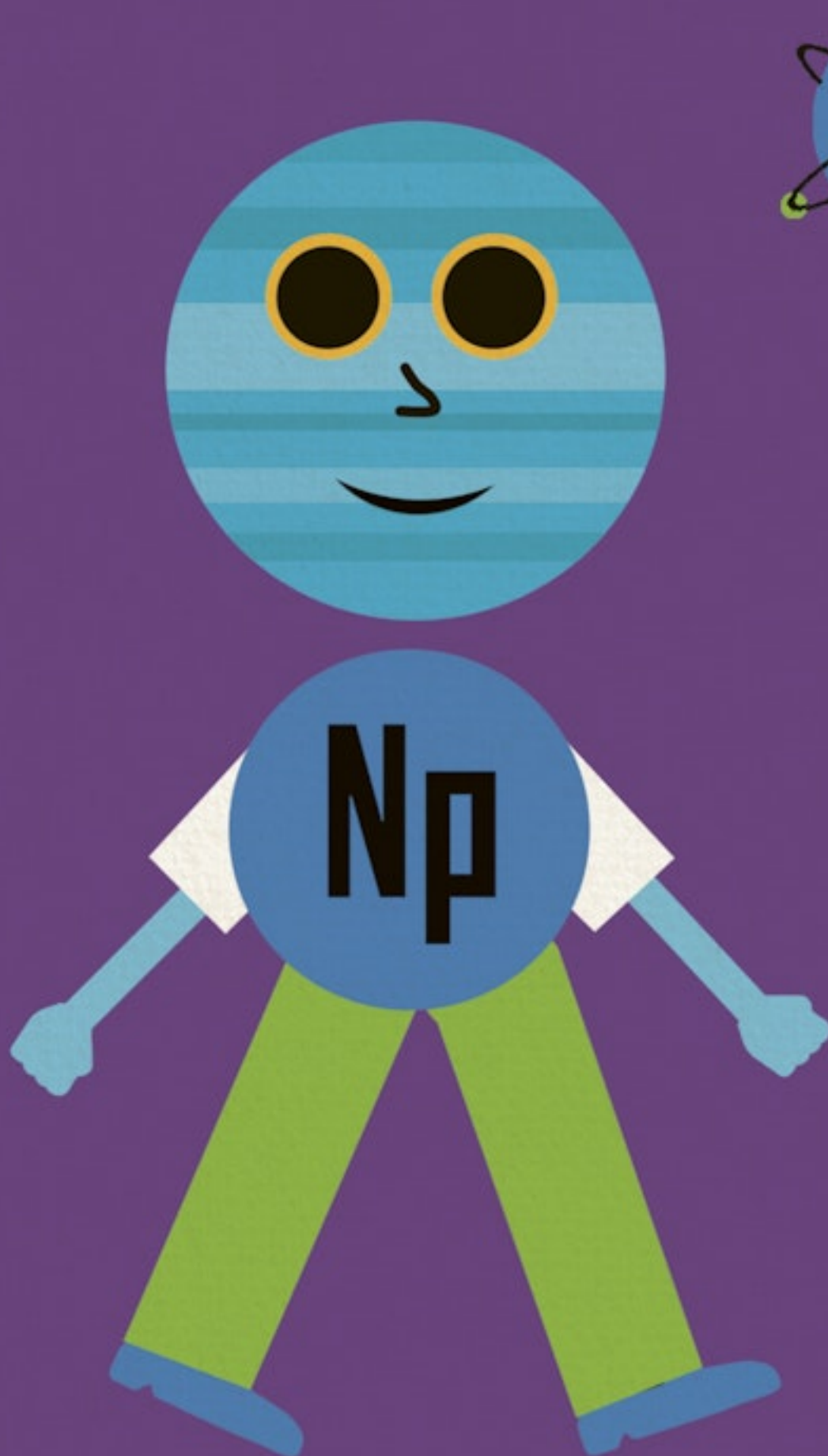
---

---

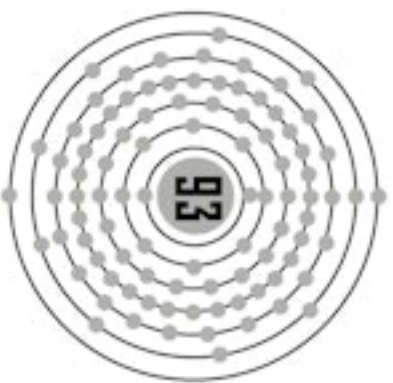
---



# NEPTUNIUM



*THE* **ACTINIDES**



# THE EXTRAORDINARY ELEMENTS

COLIN STUART AND XIMO ABADIA

---

---

---

---

---

---

---

---

## NEPTUNIUM

Named after the planet Neptune, this element can spontaneously catch fire at room temperature.

The Extraordinary Elements • © Colin Stuart and Ximo Abadia and Big Picture Press

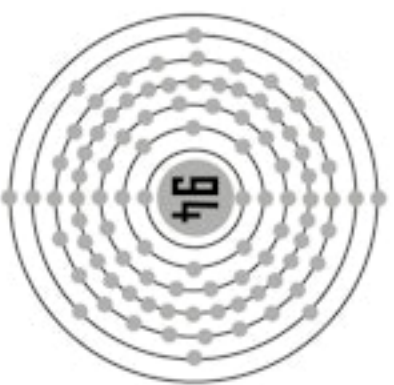




# PLUTONIUM



*THE* **ACTINIDES**



COLIN STUART AND XIMO ABADÍA

# THE EXTRAORDINARY ELEMENTS

---

---

---

---

---

---

---

---

## PLUTONIUM

Named after the dwarf planet Pluto, the space-themed name of this element is very apt as it is used as fuel for robotic spacecraft.

The Extraordinary Elements • © Colin Stuart and Ximo Abadía and Big Picture Press

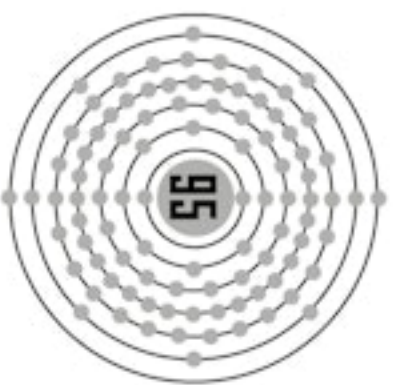


# AMERICIUM



*THE* ACTINIDES





# THE EXTRAORDINARY ELEMENTS

COLIN STUART AND XIMO ABADÍA

---

---

---

---

---

---

---

---

## AMERICIUM

Named after the Americas, americium is used in smoke detectors.

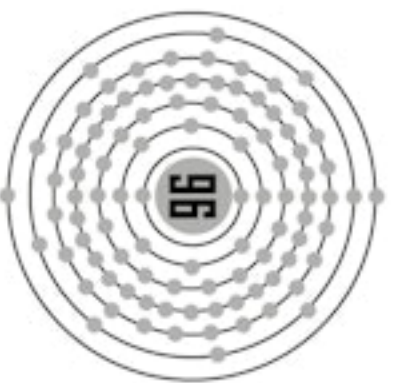
The Extraordinary Elements • © Colin Stuart and Ximo Abadía and Big Picture Press

# CURIUM

NO. 96



*THE* ACTINIDES



# THE EXTRAORDINARY ELEMENTS

COLIN STUART AND XIMO ABADIA

---

---

---

---

---

---

---

---

## CURIUM

Named after Pierre and Marie Curie who carried out pioneering work on radioactivity.

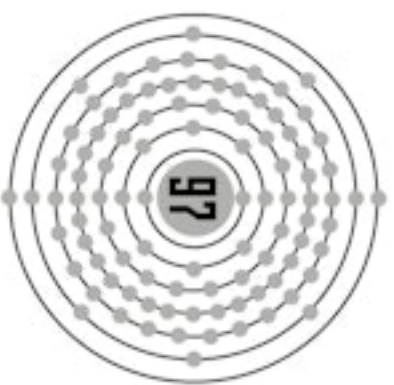
The Extraordinary Elements • © Colin Stuart and Ximo Abadia and Big Picture Press



# BERKELIUM



*THE* **ACTINIDES**



# THE EXTRAORDINARY ELEMENTS

COLIN STUART AND XIMO ABADÍA

---

---

---

---

---

---

---

---

---

---

## BERKELIUM

Named after Berkeley, the Californian city where it was discovered.  
Berkeley has a long history of protests, including civil rights.

The Extraordinary Elements • © Colin Stuart and Ximo Abadía and Big Picture Press

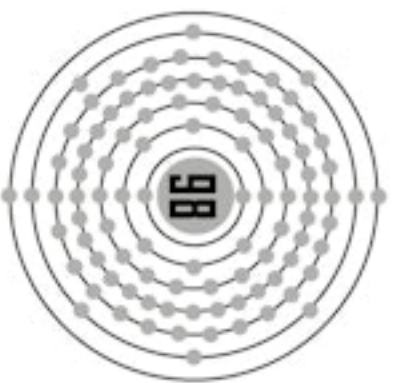


# CALIFORNIUM



*THE* **ACTINIDES**





## CALIFORNIUM

Also discovered at Berkeley, californium is used in some cancer treatments.

COLIN STUART AND XIMO ABADÍA

# THE EXTRAORDINARY ELEMENTS

The Extraordinary Elements • © Colin Stuart and Ximo Abadía and Big Picture Press

---

---

---

---

---

---

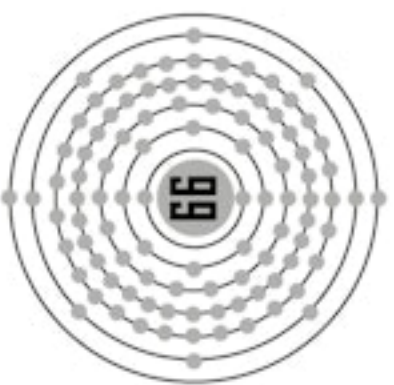
---

---

# EINSTEINIUM



*THE* ACTINIDES



## EINSTEINIUM

Named in honour of Albert Einstein, this element is incredibly rare and extremely radioactive.

# THE EXTRAORDINARY ELEMENTS

COLIN STUART AND XIMO ABADIA

The Extraordinary Elements • © Colin Stuart and Ximo Abadia and Big Picture Press

---

---

---

---

---

---

---

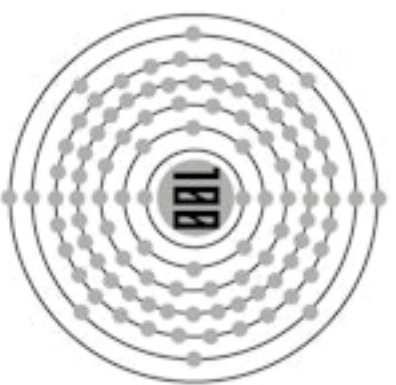
---



# FERMIUM



*THE* ACTINIDES



# THE EXTRAORDINARY ELEMENTS

COLIN STUART AND XIMO ABADÍA

---

---

---

---

---

---

---

---

## FERMIUM

Named after Enrico Fermi, who designed the first nuclear reactor.

The Extraordinary Elements • © Colin Stuart and Ximo Abadía and Big Picture Press

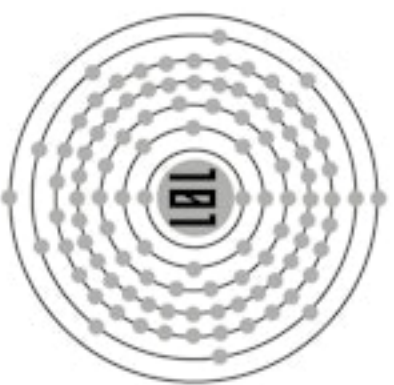


# MENDELEVIVM



*THE* **ACTINIDES**





# THE EXTRAORDINARY ELEMENTS

COLIN STUART AND XIMO ABADÍA

---

---

---

---

---

---

---

---

**MENDELEVIVUM**

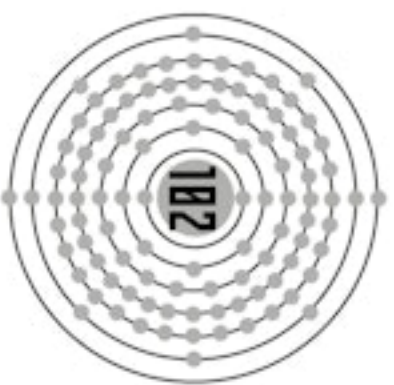
Named after Mendeleev, father of the periodic table.

The Extraordinary Elements • © Colin Stuart and Ximo Abadía and Big Picture Press

# NOBELIUM



*THE* ACTINIDES



## NOBELIUM

Named after Alfred Nobel, the creator of the Nobel Prize.

# THE EXTRAORDINARY ELEMENTS

COLIN STUART AND XIMO ABADÍA

---

---

---

---

---

---

---

---

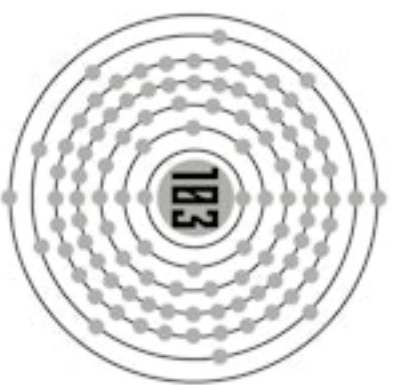


# LAWRENCIUM

~~NO. 103~~



*THE* **ACTINIDES**



# THE EXTRAORDINARY ELEMENTS

COLIN STUART AND XIMO ABADÍA

---

---

---

---

---

---

---

---

**LAWRENCIUM**

Named after American physicist Ernest Lawrence.

The Extraordinary Elements • © Colin Stuart and Ximo Abadía and Big Picture Press