

# Current Affairs

July 24

**1. A New Way to Make Element 116 Opens the Door to Heavier Atoms** *Source:* **Berkeley Lab News Center**

<https://newscenter.lbl.gov/2024/07/23/a-new-way-to-make-element-116-opens-the-door-to-heavier-atoms/#:~:text=A%20New%20Way%20to%20Make%20Element%20116%20Opens%20the%20Door%20to%20Heavier%20Atoms,-By%20Lauren%20Biron&text=Researchers%20at%20Berkeley%20Lab's%2088,the%20heaviest%20element%20yet%3A%20120.>

**2. Combining Trapped Atoms and Photonics to Create New Quantum Devices** *Source:* **Solondais**

<https://solondais.fr/2024/07/24/news234544/combining-trapped-atoms-and-photonics-to-create-new-quantum-devices/>

**3. Innovative photobiomodulation technique illuminates a new frontier in neurodegenerative disease treatment**

*Source:* **The International Society for Optics and Photonics**

[https://spie.org/news/innovative-photobiomodulation-technique-illuminates-a-new-frontier-in-neurodegenerative-disease-treatment#\\_=\\_](https://spie.org/news/innovative-photobiomodulation-technique-illuminates-a-new-frontier-in-neurodegenerative-disease-treatment#_=_)

**4. Nonlinear encoding in diffractive information processing using linear optical materials** *Source:* **nature**

<https://www.nature.com/articles/s41377-024-01529-8>

**5. Proton-conducting materials could enable new green energy technologies** *Source:* **MIT news**

<https://news.mit.edu/2024/proton-conducting-materials-could-enable-new-green-energy-technologies-0723>

**6. Stress granules play an unsuspected role in blood vessel formation** *Source:* **University of Montreal**

<https://nouvelles.umontreal.ca/en/article/2024/07/23/stress-granules-play-an-unsuspected-role-in-blood-vessel-formation/#:~:text=Stress%20granules%20play%20an%20unsuspected%20role%20in%20blood%20vessel%20formation,-UdeMNouvelles&text=A%20study%20published%20in%20Nature,crucial%20to%20our%20well%20being.>

**7. Producing water out of thin air** *Source:* **The University of Utah**

<https://attheu.utah.edu/science-technology/producing-water-out-of-thin-air/#:~:text=Device%20developed%20by%20U%20engineers,atmosphere%2C%20even%20in%20arid%20places.&text=Earth's%20atmosphere%20holds%20an%20ocean,Great%20Salt%20Lake%20800%20times.>

**8. Harris leads Trump 44% to 42% in US presidential race, Reuters/Ipsos poll finds** *Source:* **Reuters**

<https://www.reuters.com/world/us/harris-leads-trump-44-42-us-presidential-race-reutersipsos-poll-finds-2024-07-23/>

**9. UN envoy warns threat of terrorism ‘resurging’ with attacks by Islamic State extremists** *Source:* **The Indian Express**

<https://indianexpress.com/article/world/un-warns-threat-of-terrorism-attacks-by-islamic-state-extremists-9469669/>

**10. Netanyahu’s icy Washington welcome** *Source:* **Politico**

<https://www.politico.com/newsletters/national-security-daily/2024/07/23/netanyahus-icy-washington-welcome-00170705>

# Today In *History*

## *Find Out What happened On July 24*

### Important events of July 24

- **1783:** Simon Bolivar, great dynamic leader and social reformer, was born at Carcas. *Source:* [National Geographic Society](#)
- **1793:** France enacted copyright law. *Source:* [Primary Sources on Copyright](#)
- **1911:** Hiram Bingham III re-discovered Machu Picchu, “the Lost City of the Incas”. *Source:* [Machu Travel Peru](#)
- **1969:** Apollo-11 successfully landed in the Pacific Ocean. *Source:* [NASA Apollo 11 Mission Overview](#)
- **1977:** The four-day Libya-Egypt war occurred. *Source:* [Journal of Scientific Research in Arts](#)
- **1985:** Prime Minister Rajiv Gandhi and Sikh leader Sant Harchand Singh Longowal of Akali Dal signed a peace contract known as 'Punjab Accord' thus ending the four-year agitation in Punjab. *Source:* [Indian National Congress](#)
- **1923:** The borders of modern Turkey were settled in 1923 by this treaty, signed in Switzerland between Greece, Bulgaria and other countries involved in World War I. *Source:* [Deutsche Welle](#)
- **1991:** Finance Minister Manmohan Singh presented a budget laying the groundwork for economic reforms. *Source:* [The Economic Times](#)
- **1991:** Industrial licensing was scrapped. *Source:* [Mercatus Center George Mason University](#)
- **2008:** The 2008 leak at the Tricastin nuclear plant in France affected about 100 people. *Source:* [NBC News](#)