Science – February 15, 2019

• No Cosmology/Astrophysics news this issue
Nature – February 21, 2019

• Young star found 1300 light years away with NaCl and KCl (salt) disk surrounding it
• New moon (7th) for Neptune “Hippocamp”
  – https://www.nature.com/articles/d41586-019-00576-1
  – https://www.nature.com/articles/s41586-019-0909-9
NASA probe to make all-sky infrared map – SPHEREx to launch in 2023

http://science.sciencemag.org/content/363/6429/803
Gigantic Japanese detector seeks supernova neutrinos
– https://www.nature.com/articles/d41586-019-00598-9
Science – March 1, 2019

• Impact craters on Pluto and Charon indicate a deficit of small Kuiper belt objects
  – http://science.sciencemag.org/content/363/6430/955

• Compact radio emission indicates a structured jet was produced by a binary neutron star merger
  – http://science.sciencemag.org/content/363/6430/968
Nature – March 7, 2019

- Earth’s hydrogen atmosphere reaches out beyond moon’s orbit
  - http://doi.org/c23q
Science – March 8, 2019

• No cosmology/astrophysics news this issue
A distance to the Large Magellanic Cloud that is precise to one per cent = 49.59 ± 0.09 kiloparsecs

- https://www.nature.com/articles/s41586-019-0999-4
• The Inner Lives of Neutron Stars
Miscellaneous

• Next meeting will be April 10 (1 week early)
• National Geographic – March 2019
  – Search for life
  – Who’s out there
  – Next wave of planet hunters
  – Intelligent aliens
  – Hunting for habitability
  – Breakthrough Starshot

http://101iq.com/RCA