

Cosmology/Astrophysics News

June 20, 2018

for Rose City Astronomers SIG

<http://101iq.com/RCA>

Rosette Nebula - Taken with a Celestron RoweAckerman on an old Paramount mount using Dan Gray's brushless controller, LRGBH filters, about total of 5 hours. FLI camera with Kodak 16804 chip

Science – May 18, 2018

- Neutron stars' quark matter not so strange
 - <http://science.sciencemag.org/content/360/6390/697>
- 2020 Mars rover to include 1.8kg helicopter
 - <http://d2ufo47lrtsv5s.cloudfront.net/content/360/6390/690.full>



Nature – May 24, 2018

- Fly-by checks out Europa's geyser – water
 - <http://doi.org/cpqd>
- China's Queqiao probe carries technologies that could one day explore the Universe's dark ages
 - <https://www.nature.com/articles/d41586-018-05231-9>
- Pulsars seen through a new lens – plasma
 - <https://www.nature.com/articles/d41586-018-05185-y>
 - <https://www.nature.com/articles/s41586-018-0133-z>

Science – May 25, 2018

- Simulating the future of our Universe – why are energy densities of matter and dark energy are approximately equal
 - <https://academic.oup.com/mnras/article-abstract/477/3/3744/4966995>

Nature – May 31, 2018

- Dark-matter detector draws a blank – XENON1T detector in Italy
 - <https://www.nature.com/articles/d41586-018-05257-z>
- A small amount of mini-charged dark matter could cool the baryons in the early universe
 - <https://www.nature.com/articles/s41586-018-0151-x>

Science – June 1, 2018

- The Galaxy Builders – simulating galaxy formation – realistic results – surprising insights
 - <http://science.sciencemag.org/content/360/6392/954>
- Dunes across the Solar System
 - <http://science.sciencemag.org/content/360/6392/960.full>
- Dunes on Pluto
 - <http://science.sciencemag.org/content/360/6392/992>

Nature – June 7, 2018

- Prevalent lightning sferics at 600 megahertz near Jupiter's poles
 - <https://www.nature.com/articles/s41586-018-0156-5>

Science – June 8, 2018

- Middleweight black holes found at last
 - <http://science.sciencemag.org/content/360/6393/1057>
- Organic molecules on Mars
 - <http://science.sciencemag.org/content/360/6393/1054>
 - <http://science.sciencemag.org/content/360/6393/1068.full>
 - <http://science.sciencemag.org/content/360/6393/1093>
 - <http://science.sciencemag.org/content/360/6393/1096>

Scientific American – June 2018

- Milky Way Remapped
 - <https://www.nature.com/scientificamerican/journal/v318/n6/full/scientificamerican0618-18.html>
- The Secret Life of the Sun
 - <https://www.nature.com/scientificamerican/journal/v318/n6/full/scientificamerican0618-26.html>
- What is Space-time?
 - <https://www.nature.com/scientificamerican/journal/v318/n6/full/scientificamerican0618-55.html>
- What is Dark Matter?
 - <https://www.nature.com/scientificamerican/journal/v318/n6/full/scientificamerican0618-58.html>