

New StarGazer Newsletter Index - July 2012 - July 2017

Number	Article Name	Author	Co-Author(s)	Date	Issue	Page	Keywords
Column1	Column2	Column3	Column4	Column5	Column6	Column7	Column8
14	"Pro-Am" Astronomy-Lowell Amateur Research Initiative	Linda Billard		August 2012 - October 2012	2V1	4	
145	2015 Society of Amateur Radio Astronomers Conference	Scott Lansdale		May 2015 - July 2015	1V4	10	
187	A Novel Mode of Astronomical Observing Detects Gravitational Waves	Bart Billard		May 2016 - July 2016	1V5	1	
162	A Progress Report on the Mark Slade Remote Observatory (MSRO)	Jerry Hubbell		November 2015 - January 2016	3V4	1	
209	A Stargazer's Report—The Southern Hemisphere	Ryan Repoza		November 2016 - January 2017	3V5	1	
89	Adventures at the Winter Star Party	Jerry Hubbell		February 2014 - April 2014	4V2	12	
30	Adventures in Using a Fiber-Fed Spectrometer for Astronomical Purposes	Jerry Hubbell		November 2012 - January 2013	3V1	7	
23	An Astronomical Journey... From Department Store Telescope to Personal Observatory	Scott Busby		November 2012 - January 2013	3V1	1	
37	Announcement: Help Lowell Observatory Restore the Clark Telescope	Linda Billard		February 2013 - April 2013	4V1	3	
74	Announcement: Jerry Hubbell Appointment to ALPO Staff	Linda Billard		November 2013 - January 2014	3V2	5	
155	Announcement: New Book - Remote Observatories for Amateur Astronomers: Using High-Powered Telescopes from Home	Linda Billard	Jerry Hubbell	August 2015 - October 2015	2V4	6	
22	Announcement: Scientific Astrophotography: How Amateurs Can Generate and Use Professional Imaging Data	Linda Billard	Jerry Hubbell	August 2012 - October 2012	2V1	10	
153	Annual Picnic—With Special Guests from the Voice of America (VOA)	Ron Henke	Linda Billard	August 2015 - October 2015	2V4	4	
120	Another Successful Outreach Event at Shiloh Schools, Kilmarnock	Linda Billard		November 2014 - January 2015	3V3	10	
202	Astronomical Journeys: What I Did on My Summer Vacation!	Jerry Hubbell		August 2016 - October 2016	2V5	4	
53	Astronomical Mentoring—How You Can Share Your Knowledge With Beginners of All Ages	Jerry Hubbell		May 2013 - July 2013	1V2	9	
156	Astronomy and the Invention of Mathematics	Glenn Holliday		August 2015 - October 2015	2V4	7	
178	Astronomy at the Marine Corps Museum—No Stars or Planets—But Great Fun Anyway	Ron Henke	Linda Billard	February 2016 - April 2016	4V4	4	
144	Astronomy Festival on the National Mall	Ron Henke		May 2015 - July 2015	1V4	9	
141	Astronomy Globes	Scott Busby		May 2015 - July 2015	1V4	5	
139	Astronomy Math - How Many Planets Are There in the Observable Universe?	Scott Busby		May 2015 - July 2015	1V4	3	
28	Astronomy Math - Telescope Magnification	Scott Busby		November 2012 - January 2013	3V1	6	
96	Astronomy Math: Betelgeuse Distance	Scott Busby		May 2014 - July 2014	1V3	3	
220	Astronomy Math: Calculating the Force of Gravity	Scott Busby		February 2017 - April 2017	4V5	3	
189	Astronomy Math: Coefficient, Base, Exponent	Scott Busby		May 2016 - July 2016	1V5	3	
128	Astronomy Math: Doppler Shift	Scott Busby		February 2015 - April 2015	4V3	3	
152	Astronomy Math: Earth's Gravity	Scott Busby		August 2015 - October 2015	2V4	3	
211	Astronomy Math: Gravity	Scott Busby		November 2016 - January 2017	3V5	3	
164	Astronomy Math: Hubble Deep Field	Scott Busby		November 2015 - January 2016	3V4	3	
108	Astronomy Math: Inverse Square Law	Scott Busby		August 2014 - October 2014	2V3	3	
85	Astronomy Math: Light Travel	Scott Busby		February 2014 - April 2014	4V2	3	
49	Astronomy Math: Matching Eye to Telescope	Scott Busby		May 2013 - July 2013	1V2	3	
177	Astronomy Math: Scientific Notation	Scott Busby		February 2016 - April 2016	4V4	3	
201	Astronomy Math: Scientific Notation II	Scott Busby		August 2016 - October 2016	2V5	3	
117	Astronomy Math: Sidereal Time	Scott Busby		November 2014 - January 2015	3V3	3	
40	Astronomy Math—Focal Ratio	Scott Busby		February 2013 - April 2013	4V1	7	
47	Astronomy Night on the National Mall Brings the Universe Down to Earth	Terry Barker	Linda Billard	May 2013 - July 2013	1V2	1	
94	Astronomy Night on the National Mall—June 6, 2014	Ron Henke	Linda Billard	May 2014 - July 2014	1V3	1	
54	Astronomy Reading Room - Strange New Worlds, Rocket Men	Bart Billard		May 2013 - July 2013	1V2	11	
72	Astronomy Math: Light Speed	Scott Busby		November 2013 - January 2014	3V2	3	
61	Astronomy Math: Diffraction Limit	Scott Busby		August 2013 - October 2013	2V2	3	
175	Astrophotography With a Camera...But No Telescope!	Tom Watson		February 2016 - April 2016	4V4	1	
81	Astrophotography for the Beginning Amateur Astronomer	Jerry Hubbell		November 2013 - January 2014	3V2	13	
227	Book Review: Black Hole Blues and Other Songs from Outer Space	Bart Billard		February 2017 - April 2017	4V5	12	
205	Book Review: Einstein's Telescope by Evalyn Gates	Bart Billard		August 2016 - October 2016	2V5	13	
226	Book Review: Hidden Figures	Payal Patel		February 2017 - April 2017	4V5	11	
101	Book Review: Star Testing Astronomical Telescopes	Jerry Hubbell		May 2014 - July 2014	1V3	10	
191	Book Review: The Exoplanet Handbook by Michael Perryman	Jerry Hubbell		May 2016 - July 2016	1V5	7	
225	Caledon Observing Report (January 28, 2017)	Scott Lansdale		February 2017 - April 2017	4V5	10	
157	Cataract Eye Surgery, Astronomy, and Other Pursuits	Jerry Hubbell		August 2015 - October 2015	2V4	8	
126	Celebrating the Hubble Space Telescope's 25th Anniversary	David Abbou		February 2015 - April 2015	4V3	1	
75	Comet ISON—R.I.P?	Linda Billard		November 2013 - January 2014	3V2	6	
137	Cosmic Radiation—What Happens in Space May Not Stay in Space	Tom Watson		May 2015 - July 2015	1V4	1	
124	Creating Flickr Photo Albums for the www.RAClub.org/about/gallery	Don Clark		November 2014 - January 2015	3V3	15	
194	Detecting Solar X-Rays	Tom Watson		May 2016 - July 2016	1V5	11	
140	England Run Event—Escape the Ordinary	Scott Lansdale		May 2015 - July 2015	1V4	4	
29	Ethos Eyepieces—Why They're a Good Investment	Joe Francis		November 2012 - January 2013	3V1	6	
142	Exploring the Moon: Mons Rümker—An Unusual Volcanic Feature	Jerry Hubbell		May 2015 - July 2015	1V4	6	

62	Eyepieces for Beginning Astronomers	Joe Francis		August 2013 - October 2013	2V2	4
111	EZ Binoc Mount	Terry Barker		August 2014 - October 2014	2V3	7
133	Features of the Moon: Mare Vaporum	Jerry Hubbell		February 2015 - April 2015	4V3	10
129	Field Trip to Fan Mountain Observatory	Linda Billard		February 2015 - April 2015	4V3	4
190	First Impressions of Tucson	Ron Henke		May 2016 - July 2016	1V5	5
182	Focus On: Kepler	Jerry Hubbell		February 2016 - April 2016	4V4	15
204	Focus On: Montes Apennines and Palus Putredinis	Jerry Hubbell		August 2016 - October 2016	2V5	10
215	FOCUS ON: Montes Taurus and Taurus-Littrow Valley	Jerry Hubbell		November 2016 - January 2017	3V5	13
193	Focus On: Palus Epidemiarum and Capuanus	Jerry Hubbell		May 2016 - July 2016	1V5	9
228	FOCUS ON: Schiller-Zucchi Basin	Jerry Hubbell		February 2017 - April 2017	4V5	13
59	Foray into Radio Astronomy	Scott Lansdale		August 2013 - October 2013	2V2	1
121	Forensic Astronomy—New CSI Series?	Linda Billard		November 2014 - January 2015	3V3	10
88	How to Spice Up Your Astronomy Life—Try an RSS Reader	Terry Barker		February 2014 - April 2014	4V2	8
168	I Want You to Do One Thing Tonight on Twitter	Terry Barker		November 2015 - January 2016	3V4	10
21	Image of the Quarter - Comet 168P/Hergenrother	Scott Busby		August 2012 - October 2012	2V1	10
11	Image of the Quarter - Partial Solar Eclipse Sunset	Linda Billard	Ranny Heflin	May 2012 - July 2012	1V1	10
149	Image of the Quarter: Archimedes Mountain & Crater	Ron Henke		May 2015 - July 2015	1V4	18
125	Image of the Quarter: Comet Lovejoy	Scott Busby		November 2014 - January 2015	3V3	16
46	Image of the Quarter: Comet Pan-Starrs	Ranny Heflin		February 2013 - April 2013	4V1	16
58	Image of the Quarter: Crescent Nebula (NGC 6888)	Ben Ashley		May 2013 - July 2013	1V2	16
69	Image of the Quarter: First Quarter Moon	Jerry Hubbell		August 2013 - October 2013	2V2	16
232	Image of the Quarter: Hickson Compact Group 44	Ron Henke		February 2017 - April 2017	4V5	19
93	Image of the Quarter: Jupiter	David Abbou		February 2014 - April 2014	4V2	16
82	Image of the Quarter: M81 & M82	Ben Ashley		November 2013 - January 2014	3V2	16
174	Image of the Quarter: Marius Crater	Ron Henke		November 2015 - January 2016	3V4	17
105	Image of the Quarter: Mars!	Scott Busby		May 2014 - July 2014	1V3	14
136	Image of the Quarter: Mercury, Venus, and the Moon	Scott Lansdale		February 2015 - April 2015	4V3	16
217	Image of the Quarter: NGC 2261 Hubble's Variable Nebula	Myron Wasiuta		November 2016 - January 2017	3V5	16
208	Image of the Quarter: NGC 6781 Planetary Nebula	Myron Wasiuta		August 2016 - October 2016	2V5	17
114	Image of the Quarter: Partial Solar Eclipse and Sun Spots	David Abbou		August 2014 - October 2014	2V3	14
186	Image of the Quarter: Satellite Flare at Curtis Park	Tom Watson		February 2016 - April 2016	4V4	22
197	Image of the Quarter: Saturn	Scott Busby		May 2016 - July 2016	1V5	17
161	Image of the Quarter: Sun	Myron Wasiuta		August 2015 - October 2015	2V4	16
34	Image of the Quarter: The Lunar Southern Highlands	Jerry Hubbell		November 2012 - January 2013	3V1	14
50	ISON—Dazzle or Dud?	Linda Billard		May 2013 - July 2013	1V2	4
106	It's a Zoo Out There—Using the Galaxy Zoo System to Aid in the Search for SO Galaxies	Lauren Nicholson Lennon		August 2014 - October 2014	2V3	1
104	July 2014—IOTA Conference/SARA Conference	Bart Billard	Bart Billard, Scott Lansdale	May 2014 - July 2014	1V3	13
165	Large Binocular Telescope Observatory—Investigating Io's Volcanic Activity	Linda Billard		November 2015 - January 2016	3V4	4
110	Learning About Astronomy on the Web—My Favorite Resources	Ron Henke		August 2014 - October 2014	2V3	6
132	LightSail—Flight by Light	Linda Billard		February 2015 - April 2015	4V3	8
115	Looking for a Grab-and-Go?—Try a Short Tube Refractor	Ron Henke		November 2014 - January 2015	3V3	1
78	Lucy in the Sky with Diamonds—A Diamond in a Class by Itself	Linda Billard		November 2013 - January 2014	3V2	9
99	Magazines for Free—and Yes, Astronomy Is One of Them	Terry Barker		May 2014 - July 2014	1V3	7
2	Major Outreach Event - Venus Transit	Linda Billard		May 2012 - July 2012	1V1	1
192	Make Magazine	Terry Barker		May 2016 - July 2016	1V5	8
167	Memories of Astronomy	Myron Wasiuta		November 2015 - January 2016	3V4	8
198	Message from Tucson	Ron Henke		August 2016 - October 2016	2V5	1
224	MSRO Director and Assistant Director Give Talk to Commonwealth Governors School Students	Myron Wasiuta		February 2017 - April 2017	4V5	10
203	Music of the Stars	Linda Billard		August 2016 - October 2016	2V5	9
35	NEAF—The World's Premier Astronomy and Telescope Show	Linda Billard	Jerry Hubbell, Terry Barker, Don Clark	February 2013 - April 2013	4V1	1
86	NEAIC & NEAF—America's Premier Astronomy Expo	Linda Billard	Bart Billard, Jerry Hubbell	February 2014 - April 2014	4V2	4
42	Near-Earth Objects: Find Them Before They Find Us	Linda Billard		February 2013 - April 2013	4V1	11
4	News Clip: Minor Planet Observations Reported to ALPO	Linda Billard	Jerry Hubbell	May 2012 - July 2012	1V1	4
112	Observe the Moon Events at Porter Library (Stafford) and Wilderness Elementary School (Spotsylvania)	David Abbou	Ron Henke	August 2014 - October 2014	2V3	11
5	Observing and Equipment Tips: Observing/Imaging the Sun	Jerry Hubbell		May 2012 - July 2012	1V1	5
6	Observing and Equipment Tips: Point and Look for Alt/Az Mounts	Bart Billard		May 2012 - July 2012	1V1	5
97	Okay, So What's an Occultation?	Bart Billard		May 2014 - July 2014	1V3	4
214	Op Ed: How Should Beginners Start Observing the Sky?	Jerry Hubbell		November 2016 - January 2017	3V5	11
26	Outreach at Shiloh Schools, Kilmarnock	Glenn Holliday	Linda Billard	November 2012 - January 2013	3V1	4
172	Outreach Events: Night in Washington's Day at Kenmore Plantation	Glenn Holliday		November 2015 - January 2016	3V4	16
173	Outreach Events: Park Ridge Elementary School	David Abbou		November 2015 - January 2016	3V4	17

130	Paleoastronomy...What Did We Know and When Did We Know It?	Glenn Holliday		February 2015 - April 2015	4V3	5
70	PANOPTES—Aiming for Exoplanets With a Can(n)on?	Bart Billard		November 2013 - January 2014	3V2	1
154	Perseids Meteor Shower Viewing Party at Shenandoah National Park	Ron Henke	Linda Billard	August 2015 - October 2015	2V4	5
212	Prehistoric Astronomy	Tom Watson		November 2016 - January 2017	3V5	7
36	President's Corner	Jerry Hubbell		February 2013 - April 2013	4V1	3
116	President's Corner: New President	Ron Henke		November 2014 - January 2015	3V3	3
127	President's Corner: Upcoming Events	Ron Henke		February 2015 - April 2015	4V3	3
24	President's Corner—Observing in Cold Weather	Jerry Hubbell		November 2012 - January 2013	3V1	3
138	President's Corner - Current Events	Ron Henke		May 2015 - July 2015	1V4	3
48	President's Corner - Summer Observing	Jerry Hubbell		May 2013 - July 2013	1V2	3
84	President's Corner: Ben's Departure, NEAIC/NEAF	Jerry Hubbell		February 2014 - April 2014	4V2	3
176	President's Corner: Fond Farewell, Ron's Departure	Ron Henke		February 2016 - April 2016	4V4	3
210	President's Corner: Future Events	Scott Lansdale		November 2016 - January 2017	3V5	3
188	President's Corner: New President	Scott Lansdale		May 2016 - July 2016	1V5	3
71	President's Corner: New RAClub Website	Jerry Hubbell		November 2013 - January 2014	3V2	3
199	President's Corner: Newsletter Overview	Scott Lansdale		August 2016 - October 2016	2V5	3
219	President's Corner: Outreach and Articles	Scott Lansdale		February 2017 - April 2017	4V5	3
95	President's Corner: Presentation Links	Jerry Hubbell		May 2014 - July 2014	1V3	3
60	President's Corner: Recruiting Members	Jerry Hubbell		August 2013 - October 2013	2V2	3
107	President's Corner: Stepping Down	Jerry Hubbell		August 2014 - October 2014	2V3	3
163	President's Corner: Technical Articles	Ron Henke		November 2015 - January 2016	3V4	3
151	President's Corner: Traveling Around	Ron Henke		August 2015 - October 2015	2V4	3
13	President's Corner-Club Membership and What it Means to You	Jerry Hubbell		August 2012 - October 2012	2V1	3
166	Probing the Makeup of a Meteorite	Tom Watson		November 2015 - January 2016	3V4	6
213	Product Review: Hoya Didymium Red Intensifier	Tom Watson		November 2016 - January 2017	3V5	10
221	Product Review: HyperStar Lens	Ron Henke		February 2017 - April 2017	4V5	4
222	Product Review: iOptron CubePro Alt-Azimuth Mount	Tom Watson		February 2017 - April 2017	4V5	7
223	Product Review: Sky Watcher Star Adventurer Tracking Mount	Tom Watson		February 2017 - April 2017	4V5	8
135	RAClub Presentation: April 2015—Are We Alone?	Bart Billard	Ron Henke	February 2015 - April 2015	4V3	14
185	RAClub Presentation: April 2016—Kepler Update: 2016	Bart Billard	Bart Billard	February 2016 - April 2016	4V4	20
231	RAClub Presentation: April 2017—Your Next Home, Your Next Planet—Mars	Glenn Holliday		February 2017 - April 2017	4V5	17
171	RAClub Presentation: January 2016—Remote Observatory Planning Session	Bart Billard	Jerry Hubbell	November 2015 - January 2016	3V4	15
45	RAClub Presentations: April 2013—The Adventures of Voyager Across the Solar Heliopause	Bart Billard	Glenn Holliday	February 2013 - April 2013	4V1	14
92	RAClub Presentations: April 2014—How to Obtain Your IAU Minor Planet Center (MPC) Observatory Code	Bart Billard	Jerry Hubbell	February 2014 - April 2014	4V2	15
32	RAClub Presentations: December 2012—NASA Kepler Mission Update	Bart Billard	Bart Billard	November 2012 - January 2013	3V1	11
79	RAClub Presentations: December 2013—Status and Impact of Kepler and Amateur Transit Observation Opportunities	Bart Billard	Bart Billard	November 2013 - January 2014	3V2	11
122	RAClub Presentations: December 2014—Radio Jove Summary	Bart Billard	Scott Lansdale	November 2014 - January 2015	3V3	11
170	RAClub Presentations: December 2015—A Tribute to Mark Slade	Bart Billard	Myron Wasiuta	November 2015 - January 2016	3V4	13
43	RAClub Presentations: February 2013—Engineering a Fiber-Fed Spectrometer for Astronomical Use	Bart Billard	Jerry Hubbell	February 2013 - April 2013	4V1	12
90	RAClub Presentations: February 2014—Photometry and Astrometry for the Amateur Astronomer	Bart Billard	Jerry Hubbell	February 2014 - April 2014	4V2	13
183	RAClub Presentations: February 2016—Rare Earth	Bart Billard	Ron Henke	February 2016 - April 2016	4V4	18
229	RAClub Presentations: February 2017—Pluto and New Horizons	Scott Lansdale		February 2017 - April 2017	4V5	15
33	RAClub Presentations: January 2013—New Equipment “Show and Tell”	Bart Billard	Members	November 2012 - January 2013	3V1	13
80	RAClub Presentations: January 2014—Show-and-Tell on New Equipment and Activities	Bart Billard	Jerry Hubbell, Myron Wasiuta, Ben Ashely	November 2013 - January 2014	3V2	12
123	RAClub Presentations: January 2015—So, How Big Is the Solar System?	Ron Henke		November 2014 - January 2015	3V3	12
216	RAClub Presentations: January 2017 - "All About Telescopes"	Bart Billard	Members	November 2016 - January 2017	3V5	15
9	RAClub Presentations: July 2012- Home Observatory	Bart Billard	Scott Busby	May 2012 - July 2012	1V1	7
57	RAClub Presentations: July 2013—Engineering a Scientific Observing Program: Getting the Best from Yourself and Your Equipment	Bart Billard	Jerry Hubbell	May 2013 - July 2013	1V2	15
148	RAClub Presentations: July 2014—New Planetary Science From Dawn, Rosetta, and New Horizons	Glenn Holliday		May 2015 - July 2015	1V4	16
196	RAClub Presentations: July 2016—Astronomy in the News	Bart Billard	Members	May 2016 - July 2016	1V5	16
8	RAClub Presentations: June 2012- Outfitting the Compleat Astronomer Update	Bart Billard	Michael Masters	May 2012 - July 2012	1V1	6
56	RAClub Presentations: June 2013—Neutron Stars	Bart Billard	Joe Francis	May 2013 - July 2013	1V2	13
103	RAClub Presentations: June 2014—Dragon Eats Saturn and Orion	Bart Billard	Terry Barker	May 2014 - July 2014	1V3	12
147	RAClub Presentations: June 2015—Free Lance-Star Astronomy Column and NASA Ambassador Duties	David Abbou		May 2015 - July 2015	1V4	15
44	RAClub Presentations: March 2013—VLF Radio Astronomy—From Start to SID	Bart Billard	Scott Lansdale	February 2013 - April 2013	4V1	13
91	RAClub Presentations: March 2014—Yet Another Kepler Update	Bart Billard	Bart Billard	February 2014 - April 2014	4V2	14
134	RAClub Presentations: March 2015—It's a Zoo Out There	Bart Billard	Lauren Nicholson Lennon	February 2015 - April 2015	4V3	12
184	RAClub Presentations: March 2016—Remote Observatory Program Review	Bart Billard	Ron Henke, Jerry Hubbell	February 2016 - April 2016	4V4	19
230	RAClub Presentations: March 2017—MSRO Demonstration	Jerry Hubbell		February 2017 - April 2017	4V5	16
7	RAClub Presentations: May 2012- Digital Single-Lens Reflex (DSLR) Astrophotography Basics	Bart Billard	Ranny Heflin	May 2012 - July 2012	1V1	6
55	RAClub Presentations: May 2013—Open Forum on New Astronomy Gear	Bart Billard	Members	May 2013 - July 2013	1V2	12

102	RAClub Presentations: May 2014—Star Testing	Bart Billard	Myron Wasiuta	May 2014 - July 2014	1V3	10
146	RAClub Presentations: May 2015—Practice Run for England Run Library Outreach Event	Bart Billard	Ron Henke, Scott Lansdale	May 2015 - July 2015	1V4	14
18	RAClub Presentations: October 2012-NASA Mercury MESSENGER Mission Update	Bart Billard	Brenda Conway	August 2012 - October 2012	2V1	7
68	RAClub Presentations: October 2013—Video: Seeing in the Dark	Bart Billard	Timothy Ferris	August 2013 - October 2013	2V2	15
160	RAClub Presentations: October 2015—Tools for Lunar Observing and Imaging	Bart Billard	Jerry Hubbell	August 2015 - October 2015	2V4	15
207	RAClub Presentations: October 2016—How Astronomy Invented Pretty Much Everything	Bart Billard	Glenn Holliday	August 2016 - October 2016	2V5	16
17	RAClub Presentations: September 2012- Supernovae	Bart Billard	Joe Francis	August 2012 - October 2012	2V1	6
67	RAClub Presentations: September 2013—DSLR Imaging Using Narrowband Filters and the Hubble Palette	Bart Billard	Ranny Heflin	August 2013 - October 2013	2V2	13
113	RAClub Presentations: September 2014—Prehistory and Cryptozoology of the Telescope	Glenn Holliday		August 2014 - October 2014	2V3	11
159	RAClub Presentations: September 2015—Chasing Shadows	Bart Billard	Bart Billard	August 2015 - October 2015	2V4	13
206	RAClub Presentations: September 2016—MSRO Projects	Bart Billard	Myron Wasiuta, Jerry Hubbell	August 2016 - October 2016	2V5	14
195	RAClub Presentations: June 2016—Astrophotography Without the Telescope: A Look at Photography Using Camera and Lens	Bart Billard	Members	May 2016 - July 2016	1V5	14
65	RAClub Annual Picnic	Scott Busby		August 2013 - October 2013	2V2	12
77	Recent RAClub Outreach Events—Shiloh and Local Schools	Linda Billard	Ben Ashley, David Abbou	November 2013 - January 2014	3V2	9
119	Remote Observatories for the Amateur Astronomer	Jerry Hubbell	Rich Williams	November 2014 - January 2015	3V3	6
143	RTGs, Mars, and The Martian	Terry Barker		May 2015 - July 2015	1V4	8
51	Serious Binoculars for Serious Astronomical Observing	Linda Billard	Joe Fordham	May 2013 - July 2013	1V2	5
87	Shakespeare—Amateur Astronomy Enthusiast?	Glenn Holliday		February 2014 - April 2014	4V2	7
158	Shining a Light on Solar Fusion	Tom Watson		August 2015 - October 2015	2V4	10
38	Shoestring Astrophotography	David Abbou		February 2013 - April 2013	4V1	4
31	Shoot for the Stars—Library Outreach for Kids	Linda Billard		November 2012 - January 2013	3V1	11
100	Society of Amateur Radio Astronomers (SARA) Conference 2014	Scott Lansdale		May 2014 - July 2014	1V3	9
109	Solar Flares—Radio Astronomy Observation Notes for the Second Week September 2014	Scott Lansdale		August 2014 - October 2014	2V3	4
200	Special Event: Night in Washington's Day, November 12	Linda Billard		August 2016 - October 2016	2V5	3
20	Star Gazing- RAClub & University fo Mary Washington Philharmonic	Linda Billard		August 2012 - October 2012	2V1	9
218	Star Party Weekend at Stratford Hall	Linda Billard		February 2017 - April 2017	4V5	1
180	Star Party—Curtis Park, Stafford County	Ron Henke		February 2016 - April 2016	4V4	13
12	Stars in the Classroom	David Abbou		August 2012 - October 2012	2V1	1
64	Sun and Earth 2012 Polar Shifts	Scott Busby		August 2013 - October 2013	2V2	8
118	Superconducting Detectors—Taking Spectral Imaging to a New Level	Bart Billard		November 2014 - January 2015	3V3	4
98	Telescope Automation at the US Naval Observatory	Jerry Hubbell		May 2014 - July 2014	1V3	6
39	The Flashlight Test—Inspecting Your Telescope and/or Eyepiece Optics—Why Bother?	Linda Billard	Jerry Hubbell	February 2013 - April 2013	4V1	6
150	The Mark Slade Observatory Project	Jerry Hubbell		August 2015 - October 2015	2V4	1
179	The Mark Slade Remote Observatory (MSRO): Status Update May 2016	Jerry Hubbell		February 2016 - April 2016	4V4	10
76	The 2013 Arizona Science and Astronomy Expo (ASAE)	Jerry Hubbell		November 2013 - January 2014	3V2	7
41	Three Outreach Events in Two Days!	Linda Billard	David Abbou, Terry Barker	February 2013 - April 2013	4V1	10
52	Tim Puckett and POSS—Hunting Supernovae	Linda Billard		May 2013 - July 2013	1V2	7
19	Tips for Beginners from the "Pros"	Scott Busby	Myron Wasiuta	August 2012 - October 2012	2V1	8
66	Two Successful “International Observe the Moon Night” Outreach Events	Ben Ashley	Linda Billard	August 2013 - October 2013	2V2	13
10	Upcoming Special Event- RAClub & University of Mary Washington Philharmonic The Planets of Gustav Holst	Linda Billard		May 2012 - July 2012	1V1	9
63	Update...ISON—Dazzle or Dud?	Linda Billard		August 2013 - October 2013	2V2	7
27	Uranus—Rings and Moons Aplenty	Linda Billard		November 2012 - January 2013	3V1	5
131	Use NASA's “Eyes” Program to Travel the Solar System	Terry Barker		February 2015 - April 2015	4V3	7
73	Using the Celestron Micro?Guide Eyepiece to Make Astronomical Measurements	Glenn Faini		November 2013 - January 2014	3V2	4
169	Video Occultation Timing	Bart Billard		November 2015 - January 2016	3V4	12
3	Visiting Professional Observatories	Jerry Hubbell		May 2012 - July 2012	1V1	3
25	Website Review—Apollo Lunar Surface Journal	Linda Billard		November 2012 - January 2013	3V1	3
1	Welcome to the New RAClub StarGazer Newsletter	Jerry Hubbell		May 2012 - July 2012	1V1	1
15	What's in a Name... or How the Moon's Mountains Got Their Names	Linda Billard		August 2012 - October 2012	2V1	5
16	What's Wrong With This Telescope?	Ben Ashley	Linda Billard	August 2012 - October 2012	2V1	5
83	Why I Love Astronomy and How I Became an Astroimager	Ben Ashley		February 2014 - April 2014	4V2	1
181	You Really Are Made of Stardust	Linda Billard		February 2016 - April 2016	4V4	14