



WGSSBN Bulletin



Volume 3, #8

2023 June 12

Published on behalf of the International Astronomical Union (98-bis Blvd Arago, F-75014 Paris, France) by the WG Small Bodies Nomenclature.

ISSN 2789-2603

Cover image: Color image of (486958) Arrokoth, obtained by the New Horizons spacecraft. Courtesy NASA/Johns Hopkins University Applied Physics Laboratory/Southwest Research Institute/Roman Tkachenko.

Table of Contents

Editorial Notice	6
Errata	6
New Names of Minor Planets	6
(12588) Arseneau = 1999 RR98	6
(13369) Youngblood = 1998 UF37	7
(15544) Hushicheng = 2000 EG17	7
(15568) Jathe = 2000 GP54	7
(15573) Richardjoseph = 2000 GX65	7
(15575) Manyakumar = 2000 GC68	7
(15578) Bagnall = 2000 GW69	7
(15579) Richardbeattie = 2000 GP70	7
(15581) Adamkelly = 2000 GV72	8
(15598) Kazantsev = 2000 GP96	8
(15613) Rajihyun = 2000 GH136	8
(15623) Maitaneam = 2000 HU30	8
(17131) Paulazhu = 1999 JL80	8
(17140) Yangkevin = 1999 JU86	8
(17141) Bhatia = 1999 JV94	8
(17143) Andrewbrinton = 1999 JN97	9
(17144) Laurenchen = 1999 JW98	9
(17145) Hollycheng = 1999 JG99	9
(17147) Mariafields = 1999 JF102	9
(17148) Arifirester = 1999 JJ105	9
(17149) Victoriagraf = 1999 JM105	9
(17151) Zanderhill = 1999 JB114	9
(17160) Jetly = 1999 LT10	10
(17162) Nithinkavi = 1999 LX13	10
(17174) Krivitsky = 1999 RX53	10
(17178) Caitlinrita = 1999 TK218	10
(17180) Rupertli = 1999 TS291	10
(17199) Jasonliu = 2000 AT40	10
(17205) McCreery = 2000 AM105	10

<u>(17210) Nadinemeister = 2000 AY172</u>	<u>11</u>
<u>(17214) Neervannan = 2000 AR189</u>	<u>11</u>
<u>(17226) Anaiahbre = 2000 CC76</u>	<u>11</u>
<u>(17228) Adrianeliz = 2000 CJ94</u>	<u>11</u>
<u>(19315) Aizunisshinkan = 1996 VY8</u>	<u>11</u>
<u>(20008) Adacarrera = 1991 NG3</u>	<u>11</u>
<u>(23676) Tomitayoshihiro = 1997 GR25</u>	<u>11</u>
<u>(24757) Kusano = 1992 VN</u>	<u>12</u>
<u>(24808) Iwanaguchi = 1994 TN1</u>	<u>12</u>
<u>(41573) Miriamrobbins = 2000 RB99</u>	<u>12</u>
<u>(41661) Heathercraig = 2000 SK369</u>	<u>12</u>
<u>(41671) Benhardesty = 2000 TF34</u>	<u>12</u>
<u>(51874) Alessiosquilloni = 2001 PZ28</u>	<u>12</u>
<u>(53053) Sabinomaffeo = 1998 XH9</u>	<u>13</u>
<u>(56361) Marcomontagni = 2000 CW1</u>	<u>13</u>
<u>(126183) Larrymitchell = 2002 AS18</u>	<u>13</u>
<u>(133142) Violapiciu = 2003 QH9</u>	<u>13</u>
<u>(195853) Ouyangtianjing = 2002 QA80</u>	<u>13</u>
<u>(275225) Kotarbinski = 2009 WO215</u>	<u>13</u>
<u>(333001) Calloway = 2011 HB38</u>	<u>13</u>
<u>(333018) Devin = 2011 QE28</u>	<u>14</u>
<u>(333029) Sallitt = 2011 SK32</u>	<u>14</u>
<u>(333033) Yutakahashi = 2011 SO66</u>	<u>14</u>
<u>(333036) Sahr = 2011 SC91</u>	<u>14</u>
<u>(333040) Dalehowell = 2011 SF115</u>	<u>14</u>
<u>(333043) Courtneymario = 2011 SU129</u>	<u>14</u>
<u>(333056) Bellamy = 2011 SE226</u>	<u>14</u>
<u>(333061) Joshuanelson = 2011 TD13</u>	<u>15</u>
<u>(333065) Zeszut = 2011 UX17</u>	<u>15</u>
<u>(333076) Claudiamanzoni = 2011 UL80</u>	<u>15</u>
<u>(333079) Keara = 2011 UP112</u>	<u>15</u>
<u>(333089) Dean = 2011 UD175</u>	<u>15</u>
<u>(333096) Brittanyenos = 2011 UC248</u>	<u>15</u>
<u>(333106) Lujan = 2011 UG311</u>	<u>15</u>

<u>(333107) McDonough = 2011 US353</u>	<u>16</u>
<u>(333110) Lupe = 2011 UZ384</u>	<u>16</u>
<u>(333119) Sharonhelms = 2011 WF7</u>	<u>16</u>
<u>(333120) Blum = 2011 WN7</u>	<u>16</u>
<u>(359822) Hansboesgaard = 2011 UW298</u>	<u>16</u>
<u>(457303) Daina = 2008 SC8</u>	<u>16</u>
<u>(462078) Carlosbriones = 2007 FS4</u>	<u>16</u>
<u>(506074) Svarog = 2015 UM67</u>	<u>17</u>
<u>(514986) Zhangweiguo = 2009 FB30</u>	<u>17</u>
<u>Recent Comet Namings & Numberings</u>	<u>18</u>
<u>Recent Namings (in reverse chronological order)</u>	<u>18</u>
<u>Recent Numberings</u>	<u>19</u>
<u>Standard Acronyms & Abbreviations</u>	<u>20</u>
<u>Statistics & Links</u>	<u>20</u>
<u>WGSBN Members</u>	<u>21</u>

Editorial Notice

The corrigenda file associated with this *Bulletin* contains minor fixes for seven names published in earlier issues. The names for (12676), (53818), (73073), (179877), (306020), (522466) and (540413) were published with trailing spaces. The procedures that transfer data from the voting site and format it for publication did not expect trailing (or leading) spaces in names. Those procedures have now been modified.

Errata

The following section corrects errors that have appeared in this publication (indicated as *Bull.*, with volume, issue and page number) or in names or citations published in the *Minor Planet Circulars*. Negative line numbers count from the bottom of the page (in the *Bulletin*) or from the bottom of the page or the bottom of the (second) column (in the *MPCs*).

Reference	Line(s)	
<i>MPC</i> 22829	-20	<i>For</i> (1915–1993) read (1914–1993) [(4742) citation]
<i>MPC</i> 35494	41	<i>For</i> his <i>Mémoire sur la théorie mathématique des phénomènes électrodynamique</i> . read his <i>Mémoire sur la théorie mathématique des phénomènes électrodynamiques</i> . [(10183) citation]

New Names of Minor Planets

The following new names of minor planets have been approved by the WGSBN. Discovery details, for information only, are given in the following order: date of discovery; discoverer(s) name(s); discovery site; discovery site observatory code. The discoverer(s) names(s) is/are followed by an asterisk if this is a change from what was published when the object was numbered.

(12588) Arseneau = 1999 RR₉₈

Discovery: 1999-09-07 / LINEAR / Socorro / 704

Ross Arseneau mentored a finalist in the 2019 Regeneration Science Talent Search, a science competition for high school seniors. He teaches at the Detroit Country Day School, Beverly Hills, Michigan.

(13369) Youngblood = 1998 UF₃₇

Discovery: 1998-10-28 / LINEAR / Socorro / 704

Donna Sue Youngblood mentored a finalist in the 2019 Broadcom MASTERS, a math and science competition for middle-school students. She teaches at the Gilmer Intermediate School, Gilmer, Texas.

(15544) Hushicheng = 2000 EG₁₇

Discovery: 2000-03-03 / LINEAR / Socorro / 704

Hu Shicheng (b. 2001) was awarded best of category and first place in the 2019 Intel ISEF for her energy project. She also received the Dudley R. Herschbach SIYSS Award. She attended the Shanghai Foreign Language School Affiliated to SISU, Shanghai, China.

(15568) Jathe = 2000 GP₅₄

Discovery: 2000-04-05 / LINEAR / Socorro / 704

Adrien Chen-Wei Jathe (b. 2001) was awarded best of category, first place, and the Dudley R. Herschbach SIYSS Award in the 2019 Intel ISEF for his materials science project. He attended the Metropolitan School Frankfurt, Germany.

(15573) Richardjoseph = 2000 GX₆₅

Discovery: 2000-04-05 / LINEAR / Socorro / 704

Richard Joseph (b. 2002) was awarded second place in the 2019 Intel International Science and Engineering Fair for his plant sciences team project. He attended the Kendriya Vidyalaya No.1 Naval Base Kochi, Kerala, India.

(15575) Manyakumar = 2000 GC₆₈

Discovery: 2000-04-05 / LINEAR / Socorro / 704

Manya M. Kumar (b. 2001) was awarded second place in the 2019 Intel International Science and Engineering Fair for her plant sciences team project. She attended the Kendriya Vidyalaya No.1 Naval Base Kochi, Kerala, India.

(15578) Bagnall = 2000 GW₆₉

Discovery: 2000-04-05 / LINEAR / Socorro / 704

Dylan Andrew Bagnall (b. 2001) was awarded best of category and first place in the 2019 Intel International Science and Engineering Fair for his animal sciences team project. He attended the King's Hospital School, Dublin, Leinster, Ireland.

(15579) Richardbeattie = 2000 GP₇₀

Discovery: 2000-04-05 / LINEAR / Socorro / 704

Richard Douglas Beattie (b. 2001) was awarded best of category and first place in the 2019 Intel International Science and Engineering Fair for his animal sciences team project. He attended the King's Hospital School, Dublin, Leinster, Ireland.

(15581) Adamkelly = 2000 GV₇₂

Discovery: 2000-04-05 / LINEAR / Socorro / 704

Adam Kelly (b. 2001) was awarded best of category and first place in the 2019 Intel ISEF for his systems software project. He also received the Dudley R. Herschbach SIYSS Award. He attended the Skerries Community College, Dublin, Ireland.

(15598) Kazantsev = 2000 GP₉₆

Discovery: 2000-04-06 / LINEAR / Socorro / 704

Daniil Kazantsev (b. 2002) was awarded second place in the 2019 Intel International Science and Engineering Fair for his systems software project. He attended the Municipal Lyceum #12, Ekaterinburg, Russia.

(15613) Rajihyun = 2000 GH₁₃₆

Discovery: 2000-04-12 / LINEAR / Socorro / 704

Ra Jihyun (b. 2001) was awarded second place in the 2019 Intel International Science and Engineering Fair for her plant sciences team project. She attended the Kangwon Science High School, Wonju, South Korea.

(15623) Maitaneam = 2000 HU₃₀

Discovery: 2000-04-28 / LINEAR / Socorro / 704

Maitane Alonso Monasterio (b. 2001) was awarded second place in the 2019 Intel International Science and Engineering Fair for her microbiology project. She attended the Avellaneda Ikastetxea, Sodupe, Spain.

(17131) Paulazhu = 1999 JL₈₀

Discovery: 1999-05-12 / LINEAR / Socorro / 704

Paula K. Zhu (b. 2002) was awarded second place in the 2019 Intel International Science and Engineering Fair for her cellular and molecular biology project. She attended the Albemarle High School, Charlottesville, Virginia, U.S.A.

(17140) Yangkevin = 1999 JU₈₆

Discovery: 1999-05-12 / LINEAR / Socorro / 704

Kevin G. Yang (b. 2002) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for his materials science project. He attended the Fairview High School, Boulder, Colorado.

(17141) Bhatia = 1999 JV₉₄

Discovery: 1999-05-12 / LINEAR / Socorro / 704

Jagdeep Bhatia (b. 2002) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for his computer science project. He attended the Watchung Hills Regional High School, Warren, New Jersey.

(17143) Andrewbrinton = 1999 JN₉₇

Discovery: 1999-05-12 / LINEAR / Socorro / 704

Andrew John Brinton (b. 2002) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for his environmental science project. He attended the John F. Kennedy High School, Bellmore, New York.

(17144) Laurenchen = 1999 JW₉₈

Discovery: 1999-05-12 / LINEAR / Socorro / 704

Lauren Yuqing Chen (b. 2003) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for her medicine and health project. She attended the Dutch Fork High School, Irmo, South Carolina.

(17145) Hollycheng = 1999 JG₉₉

Discovery: 1999-05-12 / LINEAR / Socorro / 704

Holly Cheng (b. 2002) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for her cellular and molecular biology project. She attended the Horace Greeley High School, Chappaqua, New York.

(17147) Mariafields = 1999 JF₁₀₂

Discovery: 1999-05-13 / LINEAR / Socorro / 704

Maria Liberty Fields (b. 2002) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for her computational biology and bioinformatics project. She attended the University Liggett School, Grosse Pointe Woods, Michigan.

(17148) Arifirester = 1999 JJ₁₀₅

Discovery: 1999-05-12 / LINEAR / Socorro / 704

Ari Joseph Firester (b. 2002) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for his engineering project. He attended the Hunter College High School, New York, New York.

(17149) Victoriagraf = 1999 JM₁₀₅

Discovery: 1999-05-13 / LINEAR / Socorro / 704

Victoria Graf (b. 2002) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for her behavioral and social sciences project. She attended the Thomas Jefferson High School for Science and Technology, Alexandria, Virginia.

(17151) Zanderhill = 1999 JB₁₁₄

Discovery: 1999-05-13 / LINEAR / Socorro / 704

Zander Hill (b. 2001) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for his mathematics project. He attended the BASIS Scottsdale school, Scottsdale, Arizona.

(17160) Jetly = 1999 LT₁₀

Discovery: 1999-06-08 / LINEAR / Socorro / 704

Anushka Sameer Jetly (b. 2002) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for her bioengineering project. She attended the Friendswood High School, Friendswood, Texas.

(17162) Nithinkavi = 1999 LX₁₃

Discovery: 1999-06-09 / LINEAR / Socorro / 704

Nithin Kavi (b. 2001) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for his mathematics project. He attended the Acton-Boxborough Regional High School, Acton, Massachusetts.

(17174) Krivitsky = 1999 RX₅₃

Discovery: 1999-09-07 / LINEAR / Socorro / 704

Violetta Rose Krivitsky (b. 2002) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for her cellular and molecular biology project. She attended the Bergen County Academics, Hackensack, New Jersey.

(17178) Caitlinrita = 1999 TK₂₁₈

Discovery: 1999-10-15 / LINEAR / Socorro / 704

Caitlin Rita Kunchur (b. 2002) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for her physics project. She attended the Dutch Fork High School, Irmo, South Carolina.

(17180) Rupertli = 1999 TS₂₉₁

Discovery: 1999-10-10 / LINEAR / Socorro / 704

Rupert Michael Li (b. 2002) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for his mathematics project. He attended the Jesuit High School, Portland, Oregon.

(17199) Jasonliu = 2000 AT₄₀

Discovery: 2000-01-03 / LINEAR / Socorro / 704

Jason Liu (b. 2002) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for his mathematics project. He attended the Davidson Academy of Nevada, Reno, Nevada.

(17205) McCreery = 2000 AM₁₀₅

Discovery: 2000-01-05 / LINEAR / Socorro / 704

Kyra McCreery (b. 2002) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for her environmental science project. She attended the North Shore High School, Glen Head, New York.

(17210) Nadinemeister = 2000 AY₁₇₂

Discovery: 2000-01-07 / LINEAR / Socorro / 704

Nadine Meister (b. 2002) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for her chemistry project. She attended the Centennial High School, Ellicott City, Maryland.

(17214) Neervannan = 2000 AR₁₈₉

Discovery: 2000-01-08 / LINEAR / Socorro / 704

Arjun Neervannan (b. 2002) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for his behavioral and social sciences project. He attended the University High School, Irvine, California.

(17226) Anaiahbre = 2000 CC₇₆

Discovery: 2000-02-08 / LINEAR / Socorro / 704

Anaiah Bre Thomas (b. 2002) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for her medicine and health project. She attended the Bergen County Academics, Hackensack, New Jersey.

(17228) Adrianeliz = 2000 CJ₉₄

Discovery: 2000-02-08 / LINEAR / Socorro / 704

Adriane Elizabeth Thompson (b. 2002) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for her cellular and molecular biology project. She attended the Wellington School, Columbus, Ohio.

(19315) Aizunishinkan = 1996 VY₈

Discovery: 1996-11-07 / K. Endate, K. Watanabe / Kitami / 400

During the Edo period in Japan, Nishinkan (1803–1868) was a school opened to educate the children of Aizu feudal lords in the civil and military arts. There were up to 250 similar schools throughout Japan, but only a few of them had an observatory. Today, only the ruins of the Nishinkan observatory remain and are open to the public.

(20008) Adacarrera = 1991 NG₃

Discovery: 1991-07-04 / H. Debehogne / La Silla / 809

Ada Amelia Carrera Rodriguez (1936–2020) was a Mexican motorcyclist who started her career in astronomy when she was in her 40s. She was a powerful advocate of astronomy education in Mexico and shared her love of astronomy and space throughout Latin America and beyond, acting as a powerful inspiration for women and girls.

(23676) Tomitayoshihiro = 1997 GR₂₅

Discovery: 1997-04-04 / K. Endate, K. Watanabe / Kitami / 400

Yoshihiro Tomita (b. 1948) is a Japanese amateur astronomer. He was the first astronomy interpreter appointed by Nagasaki Prefecture. He formed the local astronomy club Tomita Astronomical Association in 1979 and he has been a popularizer of astronomy for about 45 years.

(24757) Kusano = 1992 VN

Discovery: 1992-11-01 / M. Yanai, K. Watanabe / Kitami / 400

Takanori Kusano (b. 1971) is a Japanese pharmacist and amateur astronomer. His photographs of comets, solar and lunar eclipses, and nebulae and star clusters are renowned for their beauty. He currently serves on the board of directors of the Saga Astronomical Society.

(24808) Iwanaguchi = 1994 TN₁

Discovery: 1994-10-02 / K. Endate, K. Watanabe / Kitami / 400

Eiichi Iwanaguchi (b. 1976) is a Japanese amateur astronomer. He is a research staff member of the Tachibana Observatory in Miyakonojo City, Miyazaki Prefecture, where he is a popularizer of astronomy. His beautiful photographs of starscapes are well known in Miyazaki Prefecture.

(41573) Miriamrobbins = 2000 RB₉₉

Discovery: 2000-09-05 / LONEOS / Anderson Mesa / 699

Miriam Robbins (b. 1971) is an American Visitor Experience Manager for Lowell Observatory and past chapter president for the Museum Store Association. She has led guest services and the Starry Skies Shop with the aim of ensuring that Observatory guests have awe-inspiring experiences from arrival to departure.

(41661) Heathercraig = 2000 SK₃₆₉

Discovery: 2000-09-22 / LONEOS / Anderson Mesa / 699

Heather Craig (b. 1995) is the marketing operations specialist for Lowell Observatory and co-founder of Astronomy on Tap Flagstaff, U.S.A. She has helped drive increased community visibility and attendance growth for the Observatory through the development of marketing systems and analytics.

(41671) Benhardesty = 2000 TF₃₄

Discovery: 2000-10-02 / LONEOS / Anderson Mesa / 699

Benjamin Hardesty (b. 1988) is an Instrument Scientist at Lowell Observatory, responsible for the maintenance and creation of astronomical research instrumentation. He was pivotal in construction of the 4.3m Lowell Observatory Telescope, located in the USA, and he continues to push Lowell instrumentation towards new futures.

(51874) Alessiosquilloni = 2001 PZ₂₈

Discovery: 2001-08-15 / M. Tombelli, A. Boattini / San Marcello / 104

Alessio Squilloni (b. 2000) is an Italian amateur astronomer and has been a member of the Gruppo Astrofili Montelupo since 2018. He recently graduated in physics from the University of Pisa. He observes minor planets, especially NEOs.

(53053) Sabinomaffeo = 1998 XH₉

Discovery: 1998-12-12 / M. Tombelli, G. Forti / San Marcello / 104

Father Sabino Maffeo, S.J. (b. 1922) was a great educator in the Massimiliano Massimo Jesuit college in Rome, provincial of the Roman Province of the Society of Jesus and technical director of Vatican Radio. He was later appointed vice-director and community superior of the Vatican Observatory.

(56361) Marcomontagni = 2000 CW₁

Discovery: 2000-02-04 / A. Boattini, M. Tombelli / San Marcello / 104

Marco Montagni (b. 1956) is an Italian amateur astronomer. Committed to astronomy and astrometry, he was one of the first to support the Beppe Forti Astronomical Observatory (K83) in Montelupo.

(126183) Larrymitchell = 2002 AS₁₈

Discovery: 2002-01-08 / Needville / Needville / 735

Larry Mitchell (b. 1946) is an American master visual astronomer known for freely sharing his unparalleled knowledge of the deep sky with others. His book *Visually Observing the Mysteries of the Universe* draws from his many years of Texas Star Party advanced observing challenge lists.

(133142) Violapiciu = 2003 QH₉

Discovery: 2003-08-20 / CINEOS / Campo Imperatore / 599

Viola Palomba (b. 2015) is the youngest daughter of Ernesto Palomba, one of the CINEOS observers. Her family nickname is Piciu (“little one”).

(195853) Ouyangtianjing = 2002 QA₈₀

Discovery: 2002-08-18 / NEAT / Palomar / 644

Ouyang Tianjing (1944–2015) was a teacher in a primary school and an amateur astronomer in Wuhan, China. He was a pioneer of radio meteor observations in mainland China. The name was suggested by T. Chen, who found this minor planet in public archive data.

(275225) Kotarbinski = 2009 WO₂₁₅

Discovery: 2009-11-20 / Andrushivka / Andrushivka / A50

Wilhelm Kotarbinski (1848–1921) was a Polish painter, most of whose paintings were devoted to historical, mythological and religious themes. Wilhelm spent most of his life in Kyiv, where he was one of those who painted the Vladimir Cathedral.

(333001) Calloway = 2011 HB₃₈

Discovery: 2007-09-11 / Mt. Lemmon Survey / Mount Lemmon / G96

Andrew Calloway (b. 1967) is the Mission Operations Manager for the US OSIRIS-REX Asteroid Sample Return mission. He was the Operations Manager for the MESSENGER mission to Mercury and the Deputy Encounter Manager for the New Horizons Pluto Flyby. He also worked on the Tropical Rainfall Measuring Mission.

(333018) Devin = 2011 QE₂₈

Discovery: 2007-09-14 / Mt. Lemmon Survey / Mount Lemmon / G96

Devin Poland (b. 1986) is an American engineer who is the Flight Operations Manager for the OSIRIS-REx mission. He is also a Mission Director within Space Science Mission Operations (SSMO) at GSFC. Prior to this, he was a spacecraft systems engineer across multiple SSMO missions.

(333029) Sallitt = 2011 SK₃₂

Discovery: 2007-07-18 / Mt. Lemmon Survey / Mount Lemmon / G96

Debbie Sallitt (b. 1967) is the Financial Manager for the OSIRIS-Rex Mission. For 30 years, she has contributed financial management expertise to multiple mission teams at NASA Goddard Space Flight Center.

(333033) Yutakahashi = 2011 SO₆₆

Discovery: 2007-09-15 / Mt. Lemmon Survey / Mount Lemmon / G96

Yu Takahashi (b. 1986), a Japanese-American scientist, worked on the OSIRIS-REx mission as a member of the radio science team. He contributed to the delivery of Bennu ephemeris and gravity field analysis for the project.

(333036) Sahr = 2011 SC₉₁

Discovery: 2007-09-13 / Mt. Lemmon Survey / Mount Lemmon / G96

Eric Sahr (b. 1990) is an Optical Navigation Engineer for the OSIRIS-REx Sample Return Mission. Prior to this role, he supported Science Operations for OSIRIS-REx, and processed data for the Lunar Reconnaissance Orbiter.

(333040) Dalehowell = 2011 SF₁₁₅

Discovery: 2006-05-24 / Mt. Lemmon Survey / Mount Lemmon / G96

Dale K. Howell (b. 1959) is the Touch-and-Go Phase Lead for the OSIRIS-Rex Asteroid Sample Return Mission. He has also supported the InSight, MAVEN, MGS, Genesis and Stardust missions.

(333043) Courtneymario = 2011 SU₁₂₉

Discovery: 2004-12-20 / Mt. Lemmon Survey / Mount Lemmon / G96

Courtney Mario (b. 1987), American engineer, is a member of the Natural Feature Tracking (NFT) team for the OSIRIS-REx Asteroid Sample Return Mission, focusing primarily on feature robustness. Outside of this, she has developed vision-inertial systems for several other space and terrestrial applications.

(333056) Bellamy = 2011 SE₂₂₆

Discovery: 2007-10-16 / Mt. Lemmon Survey / Mount Lemmon / G96

Kelly Scott Bellamy (b. 1965) was the Mission Manager for the OSIRIS-REx Mission. Scott provided the day-to-day Program Office interface for mission execution. He also manages the DART and NEOCam asteroid missions for NASA.

(333061) Joshuanelson = 2011 TD₁₃

Discovery: 2004-12-19 / Mt. Lemmon Survey / Mount Lemmon / G96

Joshua Nelson (b. 1985) is an American engineer. He was a Science Operations Engineer for the OSIRIS-REx Asteroid Sample Return Mission and Faculty at the International Space University. Joshua is currently an International Space Station Flight Controller.

(333065) Zeszut = 2011 UX₁₇

Discovery: 2007-09-13 / Mt. Lemmon Survey / Mount Lemmon / G96

Zoe Zeszut (b. 1993) was an Operations Engineer for the OSIRIS-REx Asteroid Sample Return Mission and has also worked with the mission's Science Planning Team. She studied at Case Western Reserve University and collaborated with NASA Glenn Research Center on meteorite and asteroid regolith research.

(333076) Claudiamanzoni = 2011 UL₈₀

Discovery: 2007-10-16 / Mt. Lemmon Survey / Mount Lemmon / G96

Claudia Manzoni (b. 1967) is an Italian stereo-image collaborator on the OSIRIS-REx Mission. She also collaborated on the Hayabusa2 Mission in the same role.

(333079) Keara = 2011 UP₁₁₂

Discovery: 2007-10-20 / Mt. Lemmon Survey / Mount Lemmon / G96

Keara Burke (b. 1996) worked on the OSIRIS-REx Mission as a systems and data analyst engineer. She helped develop the hazard identification system, assisted in the characterization of regions of interest, and counted a lot of rocks.

(333089) Dean = 2011 UD₁₇₅

Discovery: 2006-01-07 / Mt. Lemmon Survey / Mount Lemmon / G96

David Dean (b. 1980) is an American programmer. He was a Principal Systems Programmer for the OSIRIS-REx Asteroid Sample Return Mission.

(333096) Brittaneyenos = 2011 UC₂₄₈

Discovery: 2007-09-13 / Mt. Lemmon Survey / Mount Lemmon / G96

Brittany Enos (b. 1994) worked on the OSIRIS-REx mission as the digital communications lead. She helped tell the story of OSIRIS-REx.

(333106) Lujan = 2011 UG₃₁₁

Discovery: 2004-12-20 / Mt. Lemmon Survey / Mount Lemmon / G96

Michael N. Lujan (b. 1994) is a program coordinator. He was the Technical Support and Facility Manager for the OSIRIS-REx Asteroid Sample Return Mission.

(333107) McDonough = 2011 US₃₅₃

Discovery: 2007-09-12 / Mt. Lemmon Survey / Mount Lemmon / G96

Eva C. McDonough (b. 1966) is the Database Administrator for the OSIRIS-REx Asteroid Sample Return Mission. She also supports databases for multiple other missions with data from Mars, Mercury and the Moon.

(333110) Lupe = 2011 UZ₃₈₄

Discovery: 2007-09-02 / Mt. Lemmon Survey / Mount Lemmon / G96

Guadalupe “Lupe” Cota Collins (1935–1989) was the mother of Rosie Cope, an Executive Assistant for the OSIRIS-REx Asteroid Sample Return Mission. She was one of eight siblings born in Mexico and the only one to come to the United States. She was strong, independent, funny, loving, with an adventurous heart.

(333119) Sharonhelms = 2011 WF₇

Discovery: 2006-03-25 / Mt. Lemmon Survey / Mount Lemmon / G96

Sharon R. Helms (1962–2017), mother of Jacob and Olivia, was a financial analyst at NASA supporting the OSIRIS-REx mission.

(333120) Blum = 2011 WN₇

Discovery: 2007-09-11 / Mt. Lemmon Survey / Mount Lemmon / G96

Denise Blum (b. 1965) is an American administrator. She is business manager for the OSIRIS-REx Asteroid Sample Return mission to asteroid Bennu and the APEX mission to asteroid Apophis. She kept these dynamic missions running. She also performs and produces live theater.

(359822) Hansboesgaard = 2011 UW₂₉₈

Discovery: 2011-09-24 / Pan-STARRS 1 / Haleakala / F51

Hans Boesgaard (1928–2018) was a Danish-American engineer who contributed to the design and construction of several telescopes for the Mauna Kea Observatory. He was the Chief Engineer for the UoH 2.2-m telescope and the NASA 3.0-m IRTF. He worked on the engineering and assembly of the two Keck telescopes from the beginning through completion.

(457303) Daina = 2008 SC₈

*Discovery: 2008-09-23 / K. Černis, J. Zdanavičius * / Moletai / 152*

Daina in Lithuanian means a ‘song’. Lithuania is renowned for its traditional folk songs. This word is also used to denote a Lithuanian female name.

(462078) Carlosbriones = 2007 FS₄

Discovery: 2007-03-18 / R. Ferrando / Pla D'Arguines / 941

Carlos Briones (b. 1969) is a Spanish scientific researcher, science popularizer and writer. The team he leads at the Centro de Astrobiología (CSIC-INTA, Madrid, Spain) investigates the origin and early evolution of life, as well as the search for signs of life beyond Earth. He has written several popular science and poetry books.

(506074) Svarog = 2015 UM₆₇

*Discovery: 2015-10-28 / V. Lipunov, E. Gorbovskoy * / MASTER-SAAO / K95*

Svarog was a Slavic god of fire and blacksmithing.

(514986) Zhangweiguo = 2009 FB₃₀

*Discovery: 2009-03-22 / Y.-S. Tsai * / Lulin / D35*

Zhang Weiguo (b. 1979) is a Chinese amateur astronomer, community educator, and an owner of the largest private astronomical observatory in Lijiang, China. He is the founder of the Taizhou Astronomical Society in Zhejiang Province, the Changzhou Astronomical Society in Jiangsu Province, and the Lijiang Astronomical Association in Yunnan Province.

Recent Comet Namings & Numberings

Recently-assigned comet names and numbering of periodic comets are listed below. The recently-assigned names list indicates, using an asterisk, any comet whose discovery is eligible for the Edgar Wilson Award, as well as the reference where the name first appears (this may not be the circular announcing the discovery, or the first appearance of a name if the name was modified subsequently). If a date appears as the reference, it refers to the date that a News note of a name change appeared on the WGSBN website. If a name contains accented characters, the approved ASCII-only version of the name is included between [...]: note that any print, PDF or web usage must use the proper accented form. Newly-numbered objects that are being accorded dual status are flagged as such.

Recent Namings (in reverse chronological order)

C/2023 K1 (ATLAS)		<i>MPEC 2023-L18</i>
C/2023 H3 (PANSTARRS)		<i>MPEC 2023-K195</i>
C/2023 H2 (Lemmon)		<i>MPEC 2023-K122</i>
C/2022 V2 (Lemmon)		<i>MPEC 2023-K121</i>
P/2014 OL ₄₆₅ (PANSTARRS)		<i>MPEC 2023-K66</i>
C/2023 F2 (SOHO)		<i>MPEC 2023-K45</i>
C/1808 R1 (Pons)		2023-05-16
P/2000 OZ ₂₁ (LONEOS-PANSTARRS)		<i>MPEC 2023-J103</i>
C/2023 H1 (PANSTARRS)		<i>MPEC 2023-J101</i>
C/1951 G2 = C/1952 C1 (Groeneveld-Palomar)		<i>MPEC 2023-J76</i>
P/2018 HT ₃ (NEOWISE)		<i>MPEC 2023-J12</i>
P/2022 BV ₉ (Lemmon)		<i>MPEC 2023-H24</i>
C/2020 H11 (PANSTARRS-Lemmon)		<i>MPEC 2023-H237</i>
P/2010 OE ₁₀₁ = P/2021 LJ ₃₁ (WISE)		<i>MPEC 2023-H227</i>
C/2023 F1 (PANSTARRS)		<i>MPEC 2023-H184</i>
C/2022 JK ₅ (PANSTARRS)		<i>MPEC 2023-H180</i>
459P/2010 VH ₉₅ (Catalina)		<i>MPEC 2023-F167</i>
C/1971 M1 (Edwards)		<i>MPEC 2023-F148</i>
C/2023 C2 (ATLAS)		<i>MPEC 2013-F141</i>
458P/2023 C1 = P/2016 C3 (Jahn)	*	<i>MPEC 2023-F121</i>
C/1951 G1 (Groeneveld)		<i>MPEC 2023-F18</i>
C/2023 E1 (ATLAS)		<i>MPEC 2023-E59</i>
C/2023 A3 (Tsuchinshan-ATLAS)		<i>MPEC 2023-D77</i>
C/2018 S3 (TESS)		<i>MPEC 2023-D54</i>
C/2023 A2 (SWAN)		<i>MPEC 2023-D49</i>
P/2023 B3 (PANSTARRS)		<i>MPEC 2023-D10</i>

P/2021 PE ₂₀ (ATLAS)	MPEC 2023-C66
C/2022 T1 (Lemmon)	MPEC 2023-C52
C/2023 B2 (ATLAS)	MPEC 2023-C44
C/2022 Y2 (Lemmon)	MPEC 2023-B225
P/2023 B1 (PANSTARRS)	MPEC 2023-B118
C/2023 A1 (Leonard)	MPEC 2023-B66
C/2022 Y1 (Hogan)	MPEC 2023-A37
C/2022 W3 (Leonard)	MPEC 2023-A29
C/2022 W2 (ATLAS)	MPEC 2023-A28
454P/2022 U5 = P/2013 W3 (PANSTARRS)	MPEC 2022-W234
P/2022 W1 (Rankin)	MPEC 2022-W159
C/2022 U4 (Bok)	MPEC 2022-W158
453P/2022 V1 = P/2010 BN ₁₀₉ (WISE-Lemmon)	MPEC 2022-W148
P/2020 MK ₄ (PANSTARRS)	MPEC 2022-W78
C/2022 U3 (Bok)	MPEC 2022-V83
C/2022 U2 (ATLAS)	MPEC 2022-V66
452P/2003 CC ₂₂ = P/2022 B5 (Sheppard-Jewitt)	MPEC 2022-V36
C/2022 S5 (PANSTARRS)	MPEC 2022-V2
C/2022 R6 (PANSTARRS)	MPEC 2022-V1
C/2022 U1 (Leonard)	MPEC 2022-U343
C/2022 QE ₇₈ (ATLAS)	MPEC 2022-U218
C/2022 S4 (Lemmon)	MPEC 2022-U170
C/2022 S3 (PANSTARRS)	MPEC 2022-T122
P/2022 S1 (PANSTARRS)	MPEC 2022-T89
P/2022 R5 (PANSTARRS)	MPEC 2022-T88

Recent Numberings

460P/2016 BA ₁₄ = P/2020 U6 (PANSTARRS)	MPC 162027
459P/2010 VH ₉₅ (Catalina)	MPC 162027
458P/2023 C1 = P/2016 C3 (Jahn)	MPC 162027
457P/2020 O1 = P/2016 N7 (Lemmon-PANSTARRS)	MPC 162027
456P/2021 L4 = P/2012 Q3 (PANSTARRS)	MPC 160359
455P/2017 S9 = P/2011 Q5 = P/2022 R7 (PANSTARRS)	MPC 160359
454P/2022 U5 = P/2013 W3 (PANSTARRS)	MPC 160359
453P/2022 V1 = P/2010 BN ₁₀₉ (WISE-Lemmon)	MPC 160359
452P/2003 CC ₂₂ = P/2022 B5 (Sheppard-Jewitt)	MPC 158523
451P/2007 A2 = P/2006 WY ₁₈₂ = P/2022 S2 (Christensen)	MPC 158523
450P/2004 A1 = P/2022 Q3 (LONEOS)	MPC 158523
449P/2020 S6 = P/1987 A2 = P/2013 Y3 (Leonard)	MPC 158523
448P/2015 X1 = P/2008 T13 = P/2022 Q1 (PANSTARRS)	MPC 141922
447P/2021 R9 = P/2008 T14 (Sheppard-Tholen)	MPC 141922

Standard Acronyms & Abbreviations

The standard acronyms that may be used in citations without needing to be expanded are listed at:

<https://www.wgsbn-iau.org/documentation/AcronymsAndAbbreviations.html>.

Statistics & Links

There are currently 24133 named minor planets.

Discoverers of minor planets may submit name proposals via the WGSBN voting website at: https://minorplanetcenter.net/submit_name/login

Registration is required to access this site. Requests for access should be made to contact@wgsbn-iau.org.

Work on a new voting website is underway.

Archival copies of the *Bulletin*, as well as machine-readable datafiles of new names, citations and corrigenda from each issue, are available on the WGSBN website:

<https://www.wgsbn-iau.org/>

The *Bulletin* is also available from the Publications section of the IAU website:

<https://www.iau.org/publications/iau/wgsbn-bulletins/>

The email address for the WGSBN is contact@wgsbn-iau.org.

WGSBN Members

There are 15 members of the WGSBN, 11 of whom are voting members. The other four members, who are *ex-officio*, are the President and General Secretary of the IAU, and representatives for the IAU WG Planetary System Nomenclature and the IAU Minor Planet Center.

The current members of the WGSBN are listed below:

- Jana Tichá, Chair
- Keith Noll, Vice-Chair
- Gareth Williams, Secretary
- Yuliya Chernetenko
- Julio Fernández
- Daniel Green
- Pam Kilmartin
- Syuichi Nakano
- Carrie Nugent
- Don Yeomans
- Jin Zhu
- Debra M. Elmegreen, *ex-officio* (IAU President)
- José Miguel Rodríguez Espinosa, *ex-officio* (IAU General Secretary)
- Rita Schulz, *ex-officio* (WGPSN)
- Peter Vereš, *ex-officio* (MPC)

The WGSBN is a functional Working Group of the IAU, under the Executive Committee.

