



# WGSBN Bulletin



Volume 3, #14

2023 October 16

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

|                                                                       |    |
|-----------------------------------------------------------------------|----|
| <a href="#">Errata</a> .....                                          | 4  |
| <a href="#">New Names of Minor Planets</a> .....                      | 8  |
| <a href="#">(38639) Samuels = 2000 NJ16</a> .....                     | 8  |
| <a href="#">(38642) Breukers = 2000 NY17</a> .....                    | 8  |
| <a href="#">(38643) Scholten = 2000 NZ19</a> .....                    | 8  |
| <a href="#">(38667) de Lignie = 2000 OT56</a> .....                   | 8  |
| <a href="#">(38823) Nijland = 2000 RN87</a> .....                     | 8  |
| <a href="#">(38827) ter Kuile = 2000 RQ93</a> .....                   | 9  |
| <a href="#">(38828) van 't Leven = 2000 RQ94</a> .....                | 9  |
| <a href="#">(38829) Vandeputte = 2000 RQ96</a> .....                  | 9  |
| <a href="#">(38830) Biets = 2000 RK99</a> .....                       | 9  |
| <a href="#">(38967) Roberthaas = 2000 TF36</a> .....                  | 9  |
| <a href="#">(44456) Vidal-Madjar = 1998 VP4</a> .....                 | 9  |
| <a href="#">(48846) Agnésacker = 1998 DC14</a> .....                  | 9  |
| <a href="#">(48915) Patbrandebourg = 1998 OJ5</a> .....               | 10 |
| <a href="#">(154997) Marstream = 2005 NF1</a> .....                   | 10 |
| <a href="#">(280244) Ati = 2002 WP11</a> .....                        | 10 |
| <a href="#">(287875) Pavlokorsun = 2003 SV313</a> .....               | 10 |
| <a href="#">(357243) Jefferies = 2002 OQ37</a> .....                  | 10 |
| <a href="#">(611070) Hsurueron = 2006 RG23</a> .....                  | 10 |
| <a href="#">(614690) Conversimarcello = 2021 XT6</a> .....            | 11 |
| <a href="#">Recent Comet Namings &amp; Numberings</a> .....           | 12 |
| <a href="#">Recent Namings (in reverse chronological order)</a> ..... | 12 |
| <a href="#">Recent Numberings</a> .....                               | 13 |
| <a href="#">Standard Acronyms &amp; Abbreviations</a> .....           | 14 |
| <a href="#">Statistics &amp; Links</a> .....                          | 14 |
| <a href="#">WGSBN Members</a> .....                                   | 15 |

## 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> 18463 | –15        | <i>For</i> seperate <i>read</i> separate [(4732) citation]                                                                             |
| <i>MPC</i> 22829 | 36         | <i>For</i> ‘star handbook’ <i>read</i> <i>Star Handbook</i> [(3872) citation]                                                          |
| <i>MPC</i> 21610 | 6          | <i>For</i> Luiz de Camoes (Camoens, 1524–1580) <i>read</i> Luís de Camões (Camoens, c. 1524–1580) [(5160) citation]                    |
| <i>MPC</i> 21611 | 24 to 25   | <i>For</i> stars. in <i>read</i> stars, in [(5352) citation]                                                                           |
| <i>MPC</i> 24122 | –15        | <i>For</i> councillor <i>read</i> councilor [(5703) citation]                                                                          |
| <i>MPC</i> 25231 | 30         | <i>For</i> ‘null’ <i>read</i> null [(6156) citation]                                                                                   |
| <i>MPC</i> 25231 | 31         | <i>For</i> telescopes <i>read</i> telescopes [(6156) citation]                                                                         |
| <i>MPC</i> 25977 | 43 to 44   | <i>For</i> “Surveyor” and the “Voyager” <i>read</i> Surveyor, and the Voyager [(5585) citation]                                        |
| <i>MPC</i> 28089 | 25         | <i>For</i> The Family Blood <i>read</i> <i>The Family Blood</i> [(4136) citation]                                                      |
| <i>MPC</i> 31297 | –39        | <i>For</i> “The Emigrants” <i>read</i> <i>The Emigrants</i> [(7360) citation]                                                          |
| <i>MPC</i> 31297 | –38        | <i>For</i> “The Immigrants” <i>read</i> <i>The Immigrants</i> [(7360) citation]                                                        |
| <i>MPC</i> 33795 | 37         | <i>For</i> “Rigoletto” <i>read</i> <i>Rigoletto</i> [(9232) citation]                                                                  |
| <i>MPC</i> 34623 | 21         | <i>For</i> Z term <i>read</i> z term [(6233) citation]                                                                                 |
| <i>MPC</i> 36947 | –20        | <i>For</i> H.M.S. Serapis <i>read</i> H.M.S. <i>Serapis</i> [(9258) citation]                                                          |
| <i>MPC</i> 36947 | –20        | <i>For</i> Bonhomme Richard <i>read</i> <i>Bonhomme Richard</i> [(9258) citation]                                                      |
| <i>MPC</i> 41386 | – 4        | <i>For</i> (1593–1652) <i>read</i> (c. 1593–c. 1656) [(14831) citation]                                                                |
| <i>MPC</i> 41386 | – 3 to – 2 | <i>For</i> “Self-Portrait as the Allegory of Painting” <i>read</i> <i>Self-Portrait as the Allegory of Painting</i> [(14831) citation] |
| <i>MPC</i> 41386 | – 2        | <i>For</i> “Inclinazione” <i>read</i> <i>Inclinazione</i> [(14831) citation]                                                           |

|           |            |                                                                                                                                                |
|-----------|------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| MPC 41942 | 46 to 47   | For “Mikeš, the Tomcat” read <i>Mikeš, the Tomcat</i> [(17625) citation]                                                                       |
| MPC 42358 | – 5        | For <i>snabbköpskassörskan</i> read “Snabbköpskassörskan” [(9373) citation]                                                                    |
| MPC 42362 | – 9        | For “Chiisana Shizenkan” read <i>Chiisana Shizenkan</i> [(14535) citation]                                                                     |
| MPC 42368 | 36         | For ((1811) read (1811) [(19970) citation]                                                                                                     |
| MPC 42676 | –25        | For <i>broadway</i> read <i>Broadway</i> [(17024) citation]                                                                                    |
| MPC 42677 | – 9        | For <i>classicistic</i> read <i>classicist</i> [(20016) citation]                                                                              |
| MPC 43046 | –46        | For “Struggle with the Sky” read <i>Struggle with the Sky</i> [(17776) citation]                                                               |
| MPC 43190 | –21        | For <i>promotor</i> read <i>promoter</i> [(10439) citation]                                                                                    |
| MPC 43192 | –23 to –22 | For “The confidential pact between the monk and the devil” read <i>The confidential pact between the monk and the devil</i> [(16435) citation] |
| MPC 43193 | –20        | For “Daughter of sláva” read <i>Daughter of sláva</i> [(20991) citation]                                                                       |
| MPC 43193 | –19        | For “National songs” read <i>National songs</i> [(20991) citation]                                                                             |
| MPC 43383 | 26         | For “The Evening Crane” read <i>The Evening Crane</i> [(17509) citation]                                                                       |
| MPC 45340 | – 1        | For <i>L’Immensita</i> read “L’immensità” [(20200) citation]                                                                                   |
| MPC 47303 | 14 to 15   | For “Folk Czech Songs and Rhymes” read <i>Folk Czech Songs and Rhymes</i> [(40106) citation]                                                   |
| MPC 47303 | 16         | For “Bouquet” read <i>Bouquet</i> [(40106) citation]                                                                                           |
| MPC 48159 | – 7 to – 8 | For “In the World of Animals” read <i>In the World of Animals</i> [(18334) citation]                                                           |
| MPC 48161 | –25        | For “The Czech Year” read <i>The Czech Year</i> [(38461) citation]                                                                             |
| MPC 49675 | – 2        | For “Mysterious Distances” read <i>Mysterious Distances</i> [(21270) citation]                                                                 |
| MPC 49675 | – 1        | For “Hands” read <i>Hands</i> [(21270) citation]                                                                                               |
| MPC 50463 | 10         | For <i>archeological</i> read <i>archaeological</i> [(14700) citation]                                                                         |
| MPC 51191 | –40        | For “Closed field” read <i>Closed field</i> [(72827) citation]                                                                                 |
| MPC 51191 | –39        | For “Bloody field” read <i>Bloody field</i> [(72827) citation]                                                                                 |
| MPC 51191 | –39        | For “Open field” read <i>Open field</i> [(72827) citation]                                                                                     |

|           |            |                                                                                                                             |
|-----------|------------|-----------------------------------------------------------------------------------------------------------------------------|
| MPC 53953 | – 1        | For <i>Lu fattu di Bissana</i> read “Lu fattu di Bissana” [(17435) citation]                                                |
| MPC 53954 | 1          | For <i>In la dispensa di la surfara</i> read “In la dispensa di la surfara” [(17435) citation]                              |
| MPC 55722 | 21 to 22   | For <i>Museo di Scienze Planetarie</i> read Museo di Scienze Planetarie [(18116) citation]                                  |
| MPC 56963 | 15         | For <i>Nun danket alle Gott</i> read “Nun danket alle Gott” [(118178) citation]                                             |
| MPC 59924 | 20         | For (in German, “Stannern”) read (German name, Stannern) [(61208) citation]                                                 |
| MPC 60299 | 28 to 29   | For <i>The tales of the Grotesque and Arabesque</i> read His <i>Tales of the Grotesque and Arabesque</i> [(17427) citation] |
| MPC 60299 | 30         | For <i>The Raven</i> read “The Raven” [(17427) citation]                                                                    |
| MPC 61270 | –57 to –56 | For <i>The clear bright sun is rising now</i> read “The clear bright sun is rising now” [(162001) citation]                 |
| MPC 61270 | –56        | For <i>Sunk is the sun's last beam of light</i> read “Sunk is the sun's last beam of light” [(162001) citation]             |
| MPC 62931 | –12        | For in in read in [(145545) citation]                                                                                       |
| MPC 64312 | – 9 to – 8 | For “Bird, Bell and I” read <i>Bird, Bell and I</i> [(100309) citation]                                                     |
| MPC 64312 | – 8        | For “Big Catch of Fish” read <i>Big Catch of Fish</i> [(100309) citation]                                                   |
| MPC 64312 | – 3        | For “Goat Songs” read <i>Goat Songs</i> [(100675) citation]                                                                 |
| MPC 64312 | – 2        | For “Songs of Olden Days” read <i>Songs of Olden Days</i> [(100675) citation]                                               |
| MPC 64313 | –46        | For <i>Plunge</i> read Plungè [(144752) name]                                                                               |
| MPC 64313 | –43        | For <i>Plunge</i> read Plungè [(144752) citation]                                                                           |
| MPC 66243 | 13         | For “Winter Moons” read <i>Winter Moons</i> [(39864) citation]                                                              |
| MPC 66245 | –45        | For <i>Zdanavicius</i> read Zdanavičius [(203823) name]                                                                     |
| MPC 66245 | –43        | For <i>Zdanavicius</i> read Zdanavičius [(203823) citation]                                                                 |
| MPC 66245 | –41        | For <i>V. Straizys</i> read V. Stražys [(203823) citation]                                                                  |
| MPC 66727 | 44         | For <i>ducation to the orthopaedic</i> read education to the orthopedic [(73199) citation]                                  |
| MPC 66728 | –26        | For <i>Carlosanchez</i> read Carlosánchez [(202819) name]                                                                   |

|                  |            |                                                                                                                                                                                                                        |
|------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MPC 68449        | 15         | For times read instructions [(100434) citation]                                                                                                                                                                        |
| MPC 69493        | – 6        | For archaeoastronomy read archaeoastronomy [(58896) citation]                                                                                                                                                          |
| MPC 72201        | –31        | For “A Journey among the Stars” read <i>A Journey Among the Stars</i> [(121019) citation]                                                                                                                              |
| MPC 79103        | –37        | For “Cavalleria rusticana” read <i>Cavalleria rusticana</i> [(21219) citation]                                                                                                                                         |
| MPC 79106        | 14         | For Istvan read István [(142760) citation]                                                                                                                                                                             |
| MPC 81934        | 16         | For theatre read theater [(100553) citation]                                                                                                                                                                           |
| MPC 86714        | 23         | For “Magnificent Desolation” read <i>Magnificent Desolation</i> [(15364) citation]                                                                                                                                     |
| MPC 86714        | 24         | For “Moonfire” read <i>Moonfire</i> [(15364) citation]                                                                                                                                                                 |
| MPC 89076        | 15         | For ‘Nasmyth’ read Nasmyth [(5680) citation]                                                                                                                                                                           |
| MPC 89080        | –10        | For ars nova read <i>ars nova</i> [(14403) citation]                                                                                                                                                                   |
| MPC 89080        | – 9        | For Le voir dit read <i>Le voir dit</i> [(14403) citation]                                                                                                                                                             |
| MPC 90378        | 27         | For “Kanjincho” read <i>Kanjincho</i> [(14441) citation]                                                                                                                                                               |
| MPC 90378        | 39         | For “Kanjincho” read <i>Kanjincho</i> [(14469) citation]                                                                                                                                                               |
| MPC 91790        | 14         | For “Metamorphoses” read <i>Metamorphoses</i> [(4197) citation]                                                                                                                                                        |
| MPC 91790        | 16 to 17   | For “The Matrix” read the Matrix [(4197) citation]                                                                                                                                                                     |
| MPC 95308        | –12 to –11 | For “Toulky českou minulostí” (“Rambles through Czech History”) read <i>Toulky českou minulostí</i> ( <i>Rambles Through Czech History</i> ) [(5423) citation]                                                         |
| MPC 99892        | –14        | For ‘90125’ read <i>90125</i> [(90125) citation]                                                                                                                                                                       |
| MPC 100606       | 5          | For organisation read organization [(8664) citation]                                                                                                                                                                   |
| MPC 109632       | 9 to 11    | For ‘Tsukihime’, ‘Fate/stay night’, and ‘Kara no Kyoukai’ (English title ‘Garden of Sinners’) read <i>Tsukihime, Fate/stay night, and Kara no Kyoukai</i> (English title <i>Garden of Sinners</i> ) [(54563) citation] |
| MPC 110634       | –23        | For nee read née [(38246) citation]                                                                                                                                                                                    |
| MPC 123450       | 19         | For A poem of a journey along the River Chikuma read “A poem of a journey along the River Chikuma” [(23478) citation]                                                                                                  |
| MPC 123452       | 5          | For Demon Slayer: Kimetsu no Yaiba read <i>Demon Slayer: Kimetsu no Yaiba</i> [(121121) citation]                                                                                                                      |
| Bull. 3, #13, 11 | 22 to 23   | For Spirou, Tintin and Pilote read <i>Spirou, Tintin and Pilote</i> [(236463) citation]                                                                                                                                |
| Bull. 3, #13, 16 | 18         | For Nadapravcová read Nad’apravcová [(35353) name]                                                                                                                                                                     |

## 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) name(s) is/are followed by an asterisk if this is a change from what was published when the object was numbered.

### **(38639) Samuels = 2000 NJ<sub>16</sub>**

*Discovery: 2000-07-05 / LONEOS / Anderson Mesa / 699*

David Samuels (b. 1959) is an American amateur astronomer who for many years has installed, operated and maintained global CAMS (Cameras for All-Sky Meteor Surveillance) low-light video camera stations for the mapping of meteor showers. He was instrumental in establishing the first CAMS station at Fremont Peak Observatory.

### **(38642) Breukers = 2000 NY<sub>17</sub>**

*Discovery: 2000-07-05 / LONEOS / Anderson Mesa / 699*

Martin Breukers (b. 1961) is a Dutch amateur astronomer and meteor observer who has coordinated and analyzed results from the CAMS BeNeLux low-light video camera network for many years.

### **(38643) Scholten = 2000 NZ<sub>19</sub>**

*Discovery: 2000-07-05 / LONEOS / Anderson Mesa / 699*

Alex Scholten (b. 1962) is a Dutch amateur astronomer, former chair of the Working Group on Comets of the Royal Netherlands Association for Meteorology and Astronomy, and is a leading member of the Dutch Meteor Society. He has published extensively on the visual observation of meteors and comets.

### **(38667) de Lignie = 2000 OT<sub>56</sub>**

*Discovery: 2000-07-29 / LONEOS / Anderson Mesa / 699*

Marc de Lignie (b. 1964) is a Dutch physicist and an amateur astronomer who pioneered techniques and developed tools for the observation and triangulation of meteors using intensified and low-light video cameras. He has published results of his observations for many years.

### **(38823) Nijland = 2000 RN<sub>87</sub>**

*Discovery: 2000-09-02 / LONEOS / Anderson Mesa / 699*

Jos Nijland (b. 1963) is a Dutch amateur astronomer and leading member of the Dutch Meteor Society. He has observed meteors visually, operated all-sky and low-light video cameras, and published his results for many years.

**(38827) ter Kuile = 2000 RQ<sub>93</sub>**

*Discovery: 2000-09-04 / LONEOS / Anderson Mesa / 699*

Casper ter Kuile (b. 1954) is a Dutch amateur astronomer and a leading member of the Dutch Meteor Society. He organized and participated in photographic meteor observing campaigns, took part in the data analysis and published results on meteor showers and potential meteorite falls for many years.

**(38828) van 't Leven = 2000 RQ<sub>94</sub>**

*Discovery: 2000-09-04 / LONEOS / Anderson Mesa / 699*

Jaap van 't Leven (b. 1966) is a Dutch amateur meteor astronomer who photographs meteors and comets. He is a leading member of the Dutch Meteor Society and chairman of the Working Group on Comets of the Royal Netherlands Association for Meteorology and Astronomy.

**(38829) Vandeputte = 2000 RQ<sub>96</sub>**

*Discovery: 2000-09-04 / LONEOS / Anderson Mesa / 699*

Michel Vandeputte (b. 1977) is a Dutch amateur astronomer who is among the most active visual observers of meteors in Belgium. He has published extensively on the results from those observations for many years.

**(38830) Biets = 2000 RK<sub>99</sub>**

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

Jean Marie Biets (b. 1959) is a Belgian amateur astronomer. He is one of the most active photographic observers of meteors in Belgium and has published on the results from those observations for many years.

**(38967) Roberthaas = 2000 TF<sub>36</sub>**

*Discovery: 2000-10-06 / LONEOS / Anderson Mesa / 699*

Robert Haas (b. 1964) is a Dutch amateur astronomer and leading member of the Dutch Meteor Society. He has photographed and video-imaged meteors for many years.

**(44456) Vidal-Madjar = 1998 VP<sub>4</sub>**

*Discovery: 1998-11-11 / ODAS / Caussols / 910*

Alfred Vidal-Madjar (b. 1942) is a French observational astrophysicist. He participated in the first detection of a microlensing event, made the first detection of deuterium in the interstellar medium, discovered the first evaporating exoplanet and proposed the existence of exocomets in the  $\beta$  Pictoris system.

**(48846) Agn  sacker = 1998 DC<sub>14</sub>**

*Discovery: 1998-02-27 / ODAS / Caussols / 910*

Agn  s Acker (b. 1940) is a French astrophysicist involved in the study of planetary nebulae. She has been very active in public outreach. She is professor emeritus of the University of Strasbourg and founder of the Strasbourg Planetarium, which she directed for 22 years. She is the author or co-author of more than 200 articles in international journals.

**(48915) Patbrandebourg = 1998 OJ<sub>5</sub>**

*Discovery: 1998-07-29 / ODAS / Caussols / 910*

Patrick Brandebourg (b. 1957) is a French amateur astronomer who founded his first astronomy club more than 50 years ago. He has organized collaborations between astronomy clubs in the Lorraine region of France and many outreach events. He now mostly observes variable stars.

**(154997) Marstream = 2005 NF<sub>1</sub>**

*Discovery: 2005-07-02 / D. Herald / Kambah / 415*

Margaret Streamer (b. 1947) is an amateur Australian astronomer who was told by her high-school principal “don't be silly, girls don't do astronomy”. Almost 60 years later, after a career in biochemistry and a lifetime interest in amateur astronomy, Margaret returned to university and graduated with a Master of Philosophy (Astronomy and Astrophysics).

**(280244) Ati = 2002 WP<sub>11</sub>**

*Discovery: 2002-11-27 / F. Bernardi, M. Tombelli \* / Campo Imperatore / 599*

Ati is a character, created by the National Etruscan Museum of Villa Giulia and Genus Bononiae, symbolizing an Etruscan princess and a free, independent woman of the ancient Etruria (sixth century BCE). She represents the portrait of a truly surprising female status for her epoch: emancipated and full of dignity.

**(287875) Pavlokorsun = 2003 SV<sub>313</sub>**

*Discovery: 2003-09-29 / Andrushivka / Andrushivka / A50*

Pavlo Korsun (1957–2022) was a Ukrainian astrophysicist whose research focused on studying the physical properties of comets and comet-like activity at large heliocentric distances. Based on his own observations and numerical simulations, he obtained the surface brightness distribution of some comets and studied their spectra.

**(357243) Jefferies = 2002 OQ<sub>37</sub>**

*Discovery: 2011-10-18 / Pan-STARRS 1 / Haleakala / F51*

John T. Jefferies (b. 1925) is an Australian-American solar physicist and was the founder and first Director of the University of Hawaii Institute for Astronomy. He oversaw the development of several major telescopes on Mauna Kea, including the CFHT. He became the first Director of the National Optical Astronomy Observatories in 1984.

**(611070) Hsurueron = 2006 RG<sub>23</sub>**

*Discovery: 2006-07-21 / H.-C. Lin, Q.-z. Ye \* / Lulin / D35*

Rue-Ron Hsu (b. 1958) is a physicist who serves at the Department of Physics, National Cheng Kung University. He has significantly contributed to exploring transient luminous events such as sprites and gigantic jets, as well as science education and outreach in Taiwan.

**(614690) Conversimarcello = 2021 XT<sub>6</sub>**

*Discovery: 2021-12-04 / L. Conversi, M. Micheli \* / Calar Alto-Schmidt / Z84*

Marcello Conversi (1917–1988) was an Italian professor of particle physics, member of CERN and the Accademia dei Lincei. He is best known for the Conversi, Pancini and Piccioni cosmic ray experiment (1942–1946) which demonstrated that the mesotron, nowadays known as the muon, was not the particle predicted by Yukawa to be the mediator of the strong force.

## 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 Q1 (PANSTARRS)                                        |   | <i>MPEC 2023-T8</i>   |
| C/2023 R2 (PANSTARRS)                                        |   | <i>MPEC 2023-T7</i>   |
| C/2023 S2 (ATLAS)                                            |   | <i>MPEC 2023-T5</i>   |
| C/2023 R1 (PANSTARRS)                                        | * | <i>MPEC 2023-R197</i> |
| C/2023 P1 (Nishimura)                                        |   | <i>MPEC 2023-P87</i>  |
| 469P/2015 XG <sub>422</sub> (PANSTARRS)                      |   | <i>MPEC 2023-P35</i>  |
| P/2023 M4 (ATLAS)                                            |   | <i>MPEC 2023-O51</i>  |
| C/2023 F3 (ATLAS)                                            |   | <i>MPEC 2023-O43</i>  |
| P/2023 M2 (PANSTARRS)                                        |   | <i>MPEC 2023-N15</i>  |
| P/2023 M1 (PANSTARRS)                                        |   | <i>MPEC 2023-M65</i>  |
| C/2023 H5 (Lemmon)                                           |   | <i>MPEC 2023-M44</i>  |
| 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> |
| 464P/2014 OL <sub>465</sub> (PANSTARRS)                      |   | <i>MPEC 2023-K66</i>  |
| C/2023 F2 (SOHO)                                             |   | <i>MPEC 2023-K45</i>  |
| C/1808 R1 (Pons)                                             |   | 2023-05-16            |
| C/2023 H1 (PANSTARRS)                                        |   | <i>MPEC 2023-J101</i> |
| C/1951 G2 = C/1952 C1 (Groeneveld-Palomar)                   |   | <i>MPEC 2023-J76</i>  |
| 463P/2018 HT <sub>3</sub> (NEOWISE)                          |   | <i>MPEC 2023-J12</i>  |
| P/2022 BV <sub>9</sub> (Lemmon)                              |   | <i>MPEC 2023-H240</i> |
| C/2020 H11 (PANSTARRS-Lemmon)                                |   | <i>MPEC 2023-H237</i> |
| 461P/2010 OE <sub>101</sub> = P/2021 LJ <sub>31</sub> (WISE) |   | <i>MPEC 2023-H227</i> |
| C/2023 F1 (PANSTARRS)                                        |   | <i>MPEC 2023-H184</i> |
| C/2022 JK <sub>5</sub> (PANSTARRS)                           |   | <i>MPEC 2023-H180</i> |

|                                       |   |                |
|---------------------------------------|---|----------------|
| 459P/2010 VH <sub>95</sub> (Catalina) |   | MPEC 2023-F167 |
| C/1971 M1 (Edwards)                   |   | MPEC 2023-F148 |
| C/2023 C2 (ATLAS)                     |   | MPEC 2013-F141 |
| 458P/2023 C1 = P/2016 C3 (Jahn)       | * | MPEC 2023-F121 |
| C/1951 G1 (Groeneveld)                |   | MPEC 2023-F18  |
| C/2023 E1 (ATLAS)                     |   | MPEC 2023-E59  |
| C/2023 A3 (Tsuchinshan-ATLAS)         |   | MPEC 2023-D77  |
| C/2018 S3 (TESS)                      |   | MPEC 2023-D54  |
| C/2023 A2 (SWAN)                      |   | MPEC 2023-D49  |
| P/2023 B3 (PANSTARRS)                 |   | MPEC 2023-D10  |
| P/2021 PE <sub>20</sub> (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  |

### Recent Numberings

|                                                              |            |
|--------------------------------------------------------------|------------|
| 471P/2023 KF <sub>3</sub> = P/2010 YK <sub>3</sub>           | MPC 164694 |
| 470P/2014 W1 = P/2023 O2 (PANSTARRS)                         | MPC 164694 |
| 469P/2015 XG <sub>422</sub> (PANSTARRS)                      | MPC 164694 |
| 468P/2004 V3 = P/2023 O1 (Siding Spring)                     | MPC 164694 |
| 467P/2010 TO <sub>20</sub> = P/2023 H6 (LINEAR-Grauer)       | MPC 164694 |
| 466P/2015 T3 = P/2023 M3 (PANSTARRS)                         | MPC 163244 |
| 465P/2008 L2 = P/2023 L1 (Hill)                              | MPC 163244 |
| 464P/2014 OL <sub>465</sub> (PANSTARRS)                      | MPC 163244 |
| 463P/2018 HT <sub>3</sub> (NEOWISE)                          | MPC 163244 |
| 462P/2022 M1 = P/2000 OZ <sub>21</sub> (LONEOS-PANSTARRS)    | MPC 163244 |
| 461P/2010 OE <sub>101</sub> = P/2021 LJ <sub>31</sub> (WISE) | MPC 163244 |
| 460P/2016 BA <sub>14</sub> = P/2020 U6 (PANSTARRS)           | MPC 162027 |
| 459P/2010 VH <sub>95</sub> (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 <sub>109</sub> (WISE-Lemmon)        | MPC 160359 |
| 452P/2003 CC <sub>22</sub> = P/2022 B5 (Sheppard-Jewitt)     | MPC 158523 |

## 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 24466 named minor planets.

Discoverers of minor planets may submit name proposals via the WGSBN voting website at: [https://minorplanetcenter.net/submit\\_name/login](https://minorplanetcenter.net/submit_name/login)

Registration is required to access this site. Requests for access should be made to [contact@wgsbn-iau.org](mailto: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](mailto: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.

