

# WGSBN Bulletin



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# **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 *MPC*s).

Reference	Line(s)	
Bull. 1, #2, 21	-13	For (b. 1947) read (b. 1949) [(40209) citation]
Bull. <b>3</b> , #3, 15	3	For (b. 1958) read (b. 1957) [(282630) citation]
Bull. <b>3</b> , #3, 15	-9  to  -8	For facility supervisor read facility manager
		[(296945) citation]
Bull. <b>3</b> , #5, 12	- 6	For Cordova read Michaelcordova [(44195) name]
Bull. <b>3</b> , #5, 14	1	For Rudyfernandez read Rudyfernández
		[(171424) name]
Bull. <b>3</b> , #5, 14	3	For Fernandez Farrs read Fernández Farrés
		[(171424) 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.

#### (12992) Crumpler = $1981 EZ_{22}$

Discovery: 1981-03-02 / S. J. Bus / Siding Spring / 413

Larry S. Crumpler (b. 1950) is an American volcanologist and space scientist who focuses on solar system exploration using field methods, with an emphasis on studying geologic analogs in New Mexico. He has participated in NASA's Magellan, Viking, Pathfinder and Mars Exploration Rover missions.

# (13002) Vickihorner = $1982 \text{ BJ}_{13}$

Discovery: 1982-01-30 / S. J. Bus / Palomar / 675

Vicki M. Horner (1957–2002) was an American planetary geologist whose research emphasized surface characteristics and ejecta morphology of martian flow craters. Her work also included the study of impact crater ejecta types on Ganymede and Callisto, and the geomorphology of Rhea.

#### (13481) Aubele = 1978 VM<sub>11</sub>

Discovery: 1978-11-06 / E. F. Helin, S. J. Bus / Palomar / 675

Jayne C. Aubele (b. 1949) is an American geologist and planetary scientist who focuses on solar system exploration using geologic field methods. She is an adult programs and geoscience-space science educator at the New Mexico Museum of Natural History and Science.

#### (16092) Anudeepgolla = 1999 TP<sub>171</sub>

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

Anudeep Golla (b. 2003) was awarded second place in the 2019 Intel International Science and Engineering Fair for his computational biology and bioinformatics project. He attended the Fairview High School, Boulder, Colorado, U.S.A.

# (16179) Jeloka = 2000 AL<sub>134</sub>

Discovery: 2000-01-04 / LINEAR / Socorro / 704

Ritika Jeloka (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 Melbourne High School, Melbourne, Florida, U.S.A.

# (16185) Allisonjia = 2000 AH<sub>164</sub>

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

Allison Sihan Jia (b. 2002) was awarded best of category and first place in the 2019 Intel ISEF for her cellular and molecular biology project. She also received the Intel Foundation Young Scientist Award. She attended the Harker School, San Jose, California, U.S.A.

#### (16186) Helenajiang = $2000 \text{ AK}_{164}$

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

Helena Jiang (b. 2002) was awarded best of category and first place in the 2019 Intel International Science and Engineering Fair for her chemistry project. She attended the F. W. Buchholz High School, Gainesville, Florida, U.S.A.

# (16190) Kabirjolly = $2000 \text{ AK}_{191}$

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

Kabir Jolly (b. 2002) was awarded second place in the 2019 Intel International Science and Engineering Fair for his translational medical science project. He attended the College Park High School, The Woodlands, Texas, U.S.A.

#### (16223) Racheljoseph = 2000 DR<sub>69</sub>

Discovery: 2000-02-29 / LINEAR / Socorro / 704

Rachel Joseph (b. 2001) was awarded second place in the 2019 Intel International Science and Engineering Fair for her environmental engineering project. She attended the Somers High School, Lincolndale, New York, U.S.A.

#### (16227) Emilykang = $2000 DY_{73}$

Discovery: 2000-02-29 / LINEAR / Socorro / 704

Emily K. Kang (b. 2003) was awarded second place in the 2019 Intel International Science and Engineering Fair for her microbiology project. She attended the Canyon Crest Academy, San Diego, California, U.S.A.

#### (16228) Adhamkassem = 2000 EC<sub>39</sub>

Discovery: 2000-03-08 / LINEAR / Socorro / 704

Adham Mohab Kassem (b. 2000) was awarded first place in the 2019 Intel International Science and Engineering Fair for his plant sciences project. He attended the College Park High School, The Woodlands, Texas, U.S.A.

# (16229) Kavyakoneru = $2000 \text{ EM}_{46}$

Discovery: 2000-03-09 / LINEAR / Socorro / 704

Kavya Sai Koneru (b. 2002) was awarded second place in the 2019 Intel International Science and Engineering Fair for her biochemistry team project. She attended the duPont Manual High School, Louisville, Kentucky, U.S.A.

#### (16237) Emmakratcha = 2000 $GX_{76}$

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

Emma Pearl Kratcha (b. 2003) was awarded second place in the 2019 Intel International Science and Engineering Fair for her plant sciences project. She attended the Hankinson Public School, Hankinson, North Dakota, U.S.A.

#### (16242) Licato = 2000 GT<sub>126</sub>

Discovery: 2000-04-07 / LINEAR / Socorro / 704

James Licato (b. 2003) was awarded second place in the 2019 Intel International Science and Engineering Fair for his earth and environmental sciences project. He attended the Washington-Lee High School, Arlington, Virginia, U.S.A.

# (16245) Katielu = 2000 GM<sub>160</sub>

Discovery: 2000-04-07 / LINEAR / Socorro / 704

Katie Lu (b. 2001) was awarded best of category and first place in the 2019 Intel International Science and Engineering Fair for her earth and environmental sciences project. She attended the Central High School, Springfield, Missouri, U.S.A.

# (16276) Virginiama = 2000 $JX_{61}$

Discovery: 2000-05-07 / LINEAR / Socorro / 704

Virginia Ma (b. 2001) was awarded second place in the 2019 Intel International Science and Engineering Fair for her computational biology and bioinformatics project. She attended the Columbus Academy, Gahanna, Ohio, U.S.A.

#### (16881) Angelinmathew = 1998 BH<sub>12</sub>

Discovery: 1998-01-23 / LINEAR / Socorro / 704

Angelin T. Mathew (b. 2003) was awarded second place in the 2019 Intel International Science and Engineering Fair for her materials science project. She attended the American Heritage School, Plantation, Florida, U.S.A.

#### (16934) Kevinmeng = 1998 $FA_{91}$

Discovery: 1998-03-24 / LINEAR / Socorro / 704

Kevin Meng (b. 2002) was awarded best of category and first place in the 2019 Intel International Science and Engineering Fair for his robotics and intelligent machines project. He attended the Plano West Senior High School, Plano, Texas, U.S.A.

#### (16938) Nalanimiller = $1998 \text{ FN}_{121}$

Discovery: 1998-03-20 / LINEAR / Socorro / 704

Nalani Leah Miller (b. 2001) was awarded second place in the 2019 Intel International Science and Engineering Fair for her biomedical and health sciences project. She attended the Kamehameha Schools Kapalama Campus, Honolulu, Hawaii, U.S.A.

## (16954) Annikamorgan = 1998 KT<sub>48</sub>

Discovery: 1998-05-22 / LINEAR / Socorro / 704

Annika Lee Morgan (b. 2001) was awarded best of category and first place in the 2019 Intel International Science and Engineering Fair for her biochemistry project. She attended the Joel Barlow High School, Redding, Connecticut, U.S.A.

#### (17003) Poojanpandya = 1999 $CE_{55}$

Discovery: 1999-02-10 / LINEAR / Socorro / 704

Poojan Pandya (b. 2002) was awarded best of category and first place in the 2019 Intel ISEF for his microbiology team project. He also received the European Union Contest for Young Scientists Award. He attended the Half Hollow Hills High School West, Dix Hills, New York.

# (17008) Anamaria perez = 1999 $CL_{65}$

Discovery: 1999-02-12 / LINEAR / Socorro / 704

AnaMaria Perez (b. 2002) was awarded best of category and first place in the 2019 Intel International Science and Engineering Fair for her mathematics project. She attended the Albuquerque Academy, Albuquerque, New Mexico, U.S.A.

# (17009) Jasonping = 1999 CM<sub>70</sub>

Discovery: 1999-02-12 / LINEAR / Socorro / 704

Jason Ping (b. 2002) was awarded best of category and first place in the 2019 Intel International Science and Engineering Fair for his computational biology and bioinformatics project. He attended the Bergen County Academies, Hackensack, New Jersey, U.S.A.

#### (17015) Shriyareddy = 1999 $CN_{117}$

Discovery: 1999-02-12 / LINEAR / Socorro / 704

Shriya Gampala Reddy (b. 2003) was awarded best of category and first place in the 2019 Intel ISEF for her biomedical and health sciences project. She also received the Craig R. Barrett Award for Innovation. She attended the Northville High School, Northville, Michigan, U.S.A.

#### (17043) Santucci = 1999 FJ<sub>30</sub>

Discovery: 1999-03-19 / LINEAR / Socorro / 704

Giovanni Carmelo Santucci (b. 2000) was awarded best of category and first place in the 2019 Intel International Science and Engineering Fair for his behavioral and social sciences project. He attended the Ossining High School, Ossining, New York, U.S.A.

#### (17052) Senthilvel = 1999 FS<sub>51</sub>

Discovery: 1999-03-20 / LINEAR / Socorro / 704

Pranav Senthilvel (b. 2002) was awarded first place in the 2019 Intel International Science and Engineering Fair for his robotics and intelligent machines team project. He attended the duPont Manual High School, Louisville, Kentucky, U.S.A.

# (17069) Adyantshankar = 1999 $GD_{20}$

Discovery: 1999-04-15 / LINEAR / Socorro / 704

Adyant Shankar (b. 2001) was awarded best of category and first place in the 2019 Intel International Science and Engineering Fair for his environmental engineering project. He attended the Nashua High School South, Nashua, New Hampshire, U.S.A.

# (17074) Shreshth = 1999 $GQ_{36}$

Discovery: 1999-04-12 / LINEAR / Socorro / 704

Shreshth Srivastava (b. 2002) was awarded first place in the 2019 Intel International Science and Engineering Fair for his robotics and intelligent machines team project. He attended the duPont Manual High School, Louisville, Kentucky, U.S.A.

#### (17093) Supanklang = 1999 JH<sub>22</sub>

Discovery: 1999-05-10 / LINEAR / Socorro / 704

Saijai Supanklang (b. 2002) was awarded first place in the 2019 Intel International Science and Engineering Fair for her microbiology team project. She attended the Hayfield Secondary School, Alexandria, Virginia, U.S.A.

# (17094) Sarahsyed = 1999 JV<sub>25</sub>

Discovery: 1999-05-10 / LINEAR / Socorro / 704

Sarah Sajila Syed (b. 2002) was awarded first place in the 2019 Intel International Science and Engineering Fair for her microbiology team project. She attended the Hayfield Secondary School, Alexandria, Virginia, U.S.A.

#### (17096) Takemaru = 1999 JX<sub>26</sub>

Discovery: 1999-05-10 / LINEAR / Socorro / 704

Leo Takemaru (b. 2002) was awarded best of category and first place in the 2019 Intel ISEF for his microbiology team project. He also received the European Union Contest for Young Scientists Award. He attended the Ward Melville High School, East Setauket, New York, U.S.A.

#### (19246) Megumisasaki = 1994 $EL_7$

Discovery: 1994-03-14 / M. Hirasawa, S. Suzuki / Nyukasa / 408

Megumi Sasaki (b. 1994) is a Japanese physical therapist who works at Minamino Hospital in Hachioji, Japan. When the first discoverer was hospitalized with cerebral infarctions she trained him to walk again.

# (22961) Rosegarcia = 1999 $UM_{14}$

Discovery: 1999-10-29 / CSS / Catalina / 703

Rose Garcia (b. 1974), American engineer, was a Science Operations Planning Analyst for the OSIRIS-REx Asteroid Sample Return Mission and is Deputy Instrument Scientist for the APEX asteroid mission. She was also an observer for the Catalina Sky Survey where she discovered two comets and many asteroids.

## (31663) Anjani = 1999 $JG_2$

Discovery: 1999-05-08 / CSS / Catalina / 703

Anjani Polit (b. 1980) is an American engineer. She led Science Observation Planning for the OSIRIS-REx Asteroid Sample Return Mission, and coordinates mission-wide technical science activities for the APEX Asteroid Mission. She was also the Uplink Operations Lead for the HiRISE camera on the Mars Reconnaissance Orbiter.

#### (31673) Nayessda = 1999 JZ<sub>8</sub>

Discovery: 1999-05-07 / CSS / Catalina / 703

Nayessda "Nayi" Castro (b. 1987), American engineer, is the Deputy Mission Operations Manager for the OSIRIS-REx Asteroid Sample Return Mission. She has previously worked on NASA's TRMM, Terra and LRO Mission Operations Teams.

# (31674) Westermann = $1999 \text{ JD}_9$

Discovery: 1999-05-07 / CSS / Catalina / 703

Mathilde Westermann (b. 1991) is an American science operations and GIS engineer at the University of Arizona, who planned science observations for the OSIRIS-REx mission and develops software to enable spatial registration of microscopic data produced from returned extraterrestrial samples. She is a desert-loving Tucson native with husband, son, and dog.

#### (47054) Jacquesblamont = 1998 $XX_1$

Discovery: 1998-12-07 / ODAS / Caussols / 910

Jacques Blamont (1926–2020) was a French astrophysicist and one of the founding fathers of space activities in France. He created in 1958 the first national space laboratory (now Latmos). He became in 1962 the first scientific and technical director of the newly-created CNES (French space agency). He initiated cooperation with the U.S.A., U.S.S.R. and India.

## (47078) Llebaria = 1998 YS<sub>2</sub>

Discovery: 1998-12-17 / ODAS / Caussols / 910

Antoine Llebaria (b. 1940) was a research engineer at the Laboratoire Astrophysique de Marseille. An expert in image processing, he led the analysis of the data of many space missions, including France's D2B mission in 1975, the SOHO-LASCO solar coronagraph, the GALEX ultraviolet deep survey, the Rosetta cometary mission, and the CoRoT exoplanetary mission.

#### (53818) Isispogson = 2000 EV<sub>138</sub>

Discovery: 2000-03-11 / CSS / Catalina / 703

Isis Pogson (1852–1945) was a British astronomer, meteorologist as well as daughter, salaried assistant and computer in 1873 to her father, Norman Pogson of the Madras Observatory. She also worked as meteorological superintendent and reporter for the Madras government starting in 1881. In 1920, she was made a fellow of the Royal Astronomical Society.

#### (219983) Yangtongyu = $2002 LU_{61}$

Discovery: 2002-06-01 / NEAT / Palomar / 644

Yang Tongyu (b. 2005), has been involved in the Jiama'erdeng-Tianwentai/ICQ Search and Tracking (JIST) observing program (MPC observatory codes N55 and N56). He is currently studying at the Limai Chinese-American International School in Beijing.

## (221673) Duschl = 2007 DP

Discovery: 2007-02-17 / W. Ries / Altschwendt / A44

Wolfgang J. Duschl (b. 1958) is a German physicist and astronomer. He is a professor at the Christian-Albrechts-University in Kiel and scientific director of the Schleswig-Holsteinische Universitäts-Gesellschaft. Duschl's research mainly deals with black holes.

# (232233) Taihu = 2002 LE<sub>61</sub>

Discovery: 2002-06-02 / NEAT / Palomar / 644

Lake Taihu, the source lake of the Yangtze River Delta, is one of the five major freshwater lakes in China. Taihu is located in Suzhou and is the cradel of the Wu culture with beautiful landscapes and profound historical heritage.

#### (301622) Chastel = 2010 DZ<sub>77</sub>

Discovery: 2010-02-16 / Pan-STARRS 1 / Haleakala / F51

Serge Chastel (b. 1971) was a software engineer at the University of Hawaii in the United States. His work was focused on the Pan-STARRS Moving Object Processing System that is used to discover Near-Earth Objects. Serge is now a software engineer in private industry. In his free time, he is an avid scuba diver.

#### (320541) Asiaa = 2008 AD<sub>3</sub>

Discovery: 2008-01-07 / C.-Y. Shih, Q.-z. Ye \* / Lulin / D35

Academia Sinica Institute of Astronomy and Astrophysics (ASIAA) is one of the institutes of the Academia Sinica in Taiwan. Its research areas extend from the solar system to cosmology.

#### (332991) Tammybecker = 2011 $FX_{147}$

Discovery: 2006-01-28 / Mt. Lemmon Survey / Mount Lemmon / G96

Tammy Becker (b. 1964), American cartographer, worked on the OSIRIS-REx mission as a Science Operations Planning Analyst. She supported the team with analysis of proposed science observations. She also has 35 years of experience with the USGS in cartography and digital image processing in support of NASA planetary research.

#### (333050) Olds = 2011 SA<sub>174</sub>

Discovery: 2005-03-11 / Mt. Lemmon Survey / Mount Lemmon / G96

Ryan Olds (b. 1981), American engineer, serves as the Guidance, Navigation, and Control manager for the OSIRIS-REx mission. Prior to this role, he served as Natural Feature Tracking Lead and as a Guidance Navigation and Controls engineer and analyst.

# (333052) Skeen = 2011 SQ<sub>185</sub>

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

Michael Skeen (b. 1990), an American engineer, worked on the OSIRIS-REx mission as the Risk Reduction Test Lead and the Mission Operations Testbed Lead. He also worked as a spacecraft Systems Engineer throughout the development and mission operations phases of the project.

## (335668) Ignalina = 2006 ST<sub>372</sub>

Discovery: 2006-09-24 / K. Černis, J. Zdanavičius \* / Moletai / 152

Ignalina is a city in eastern Lithuania with 5000 inhabitants. First mentioned in 1840, Ignalina is known as a tourist destination in the Aukstaitija National Park and is surrounded by woods and waters.

# (347017) Pui-Hin = 2010 DB<sub>78</sub>

Discovery: 2010-02-16 / Pan-STARRS 1 / Haleakala / F51

Pui Hin Rhoads (b. 1949) joined the computer group at the University of Hawaii's Institute for Astronomy, in the United States in 1986, and later became the head of the group. She led the group in the development efforts for the communication networks on Maunakea and Haleakala, the computer systems, and their support at the Institute.

#### (353903) Kudritzki = 2012 $XN_{58}$

Discovery: 2011-08-30 / Pan-STARRS 1 / Haleakala / F51

Rolf-Peter Kudritzki (b. 1945) is a German astronomer who studies extragalactic stellar spectroscopy. Kudritzki obtained his PhD at the Technical University of Berlin (1973) and was Director of the Institute for Astronomy and Astrophysics at the University of Munich (1982–2000) and Director of the University of Hawaii's Institute for Astronomy (2000–2010).

#### (391496) Colineldridge = $2007 PG_9$

Discovery: 2007-08-11 / P. Luckas / Shenton Park / D21

Colin Eldridge (b. 1941) is an Australian amateur astronomer and generous supporter of astronomy outreach and education in Western Australia.

#### (434678) Curlin = 2006 BE<sub>8</sub>

Discovery: 2006-01-22 / J.-C. Merlin / Nogales / 926

James (Jim) Stevens Curlin (b. 1963) is an American administrator managing the UN Environmental Program related to ozone action. He wrote a comprehensive biography of Ferdinand Quénisset. Jim's wife Maria (b. 1967) was born in Greece. She manages the web pages of the Société astronomique de France related to observers activities.

#### (486898) LaForge = 2014 KF<sub>93</sub>

Discovery: 2013-03-08 / Pan-STARRS 1 / Haleakala / F51

William N. LaForge (b. 1950) was president of Delta State University in Mississippi, USA, from 2013 to 2022. He took a great interest in the science departments, especially astronomy, and helped the planetarium become a symbol of the university. Name suggested by students from Delta State University.

#### (613813) Svevastallone = $2007 SB_1$

Discovery: 2007-09-19 / A. Carbognani / Saint-Barthelemy / B04

Stallone Sveva (b. 1960) is an Italian journalist, blogger and a radio amateur working mainly in technical journalism. Interested in astronomy, Sveva was editor and presenter of the scientific outreach radio program *Alfa & Omega*, broadcast by a radio station in Milan (Italy). Her first interest in astronomy was the moons of giant planets.

# (618348) Andreisherstyuk = 2016 PN

Discovery: 2016-08-02 / ATLAS / Haleakala / T05

Computer programmer Andrei Sherstyuk (b. 1964) was an instrumental part of the ATLAS software development team. Equally enthusiastic with a keyboard, or a hammer and crowbar, Andrei relished all aspects of early ATLAS work, from novel sky visualizations to dome construction.

# **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**

recent i tunings		
C/2023 F1 (PANSTARRS)		MPEC 2023-H184
C/2023 E1 (ATLAS)		MPEC 2023-E59
P/2023 C2 (ATLAS)		MPEC 2023-F141
458P/2023 C1 = P/2016 C3 (Jahn)	*	MPEC 2023-F121
P/2023 B3 (PANSTARRS)		MPEC 2023-D10
C/2023 B2 (ATLAS)		MPEC 2023-C44
P/2023 B1 (PANSTARRS)		MPEC 2023-B118
C/2023 A3 (Tsuchinshan-ATLAS)		MPEC 2023-D77
C/2023 A2 (SWAN)		MPEC 2023-D49
C/2023 A1 (Leonard)		MPEC 2023-B66
C/2022 Y2 (Lemmon)		MPEC 2023-B225
C/2022 Y1 (Hogan)		MPEC 2023-A37
C/2022 W3 (Leonard)		MPEC 2023-A29
C/2022 W2 (ATLAS)		MPEC 2023-A28
C/2022 W1 (Rankin)		MPEC 2022-W159
$453P/2022 V1 = P/2010 BN_{109} (WISE-Lemmon)$		MPEC 2022-W148
454P/2022  U5 = P/2013  W3 (PANSTARRS)		MPEC 2022-W234
C/2022 U4 (Bok)		MPEC 2022-W158
C/2022 U3 (Bok)		MPEC 2022-V83
C/2022 U2 (ATLAS)		MPEC 2022-V66
C/2022 U1 (Leonard)		MPEC 2022-U343
C/2022 T1 (Lemmon)		MPEC 2023-C52
C/2022 S5 (PANSTARRS)		MPEC 2022-V2
C/2022 S4 (Lemmon)		MPEC 2022-U170
C/2022 S3 (PANSTARRS)		MPEC 2022-T122
P/2022 S1 (PANSTARRS)		MPEC 2022-T89

C/2022 R6 (PANSTARRS)	MPEC 2022-V1
P/2022 R5 (PANSTARRS)	MPEC 2022-T88
P/2022 R4 (PANSTARRS)	MPEC 2022-T87
P/2022 R3 (Leonard)	MPEC 2022-S250
P/2022 R2 (ATLAS)	MPEC 2022-S87
P/2022 R1 (PANSTARRS)	MPEC 2022-R124
C/2022 QE <sub>78</sub> (ATLAS)	MPEC 2022-U218
P/2022 Q2 (ATLAS)	MPEC 2022-R123
C/2022 P3 (ZTF)	MPEC 2022-R132
P/2022 P2 (ZTF)	MPEC 2022-Q201
C/2022 P1 (NEOWISE)	MPEC 2022-Q3
C/2022 O2 (PANSTARRS)	MPEC 2022-Q25
C/2022 O1 (ATLAS)	MPEC 2022-Q2
P/2022 M1 (LONEOS-PANSTARRS)	2022-09-03
C/2022 JK <sub>5</sub> (PANSTARRS)	MPEC 2023-H180
P/2022 BV <sub>9</sub> (Lemmon)	MPEC 2023-H240
P/2021 PE <sub>20</sub> (ATLAS)	MPEC 2023-C66
P/2020 MK <sub>4</sub> (PANSTARRS)	MPEC 2022-W78
C/2020 H11 (PANSTARRS-Lemmon)	MPEC 2022-H237
P/2020 A4 (PANSTARRS-Lemmon)	MPEC 2022-P91
C/2018 S3 (TESS)	MPEC 2023-D54
C/2018 T2 (TESS)	MPEC 2022-Q126
459P/2010 VH <sub>95</sub> (Catalina)	MPEC 2023-F167
$P/2010 \text{ OE}_{101} = P/2021 \text{ LJ}_{31} \text{ (WISE)}$	MPEC 2023-H227
$452P/2003 \text{ CC}_{22} = P/2022 \text{ B5 (Sheppard-Jewitt)}$	MPEC 2022-V36
C/1971 M1 (Edwards)	MPEC 2023-F148
C/1951 G1 (Groeneveld)	MPEC 2023-F18

# **Recent Numberings**

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_{109} $ (WISE-Lemmon)	MPC 160359
$452P/2003 \text{ CC}_{22} = P/2022 \text{ B5 (Sheppard-Jewitt)}$	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

# **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 24000 named minor planets.

Discoverers of minor planets may submit name proposals via the WGSBN voting website at: <a href="https://minorplanetcenter.net/submit name/login">https://minorplanetcenter.net/submit name/login</a>

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. Elmgreen, ex-officio (IAU President)
- José Miguel Rodriguez 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.