



# WGSBN Bulletin



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Cover image: Color image of (243) Ida and (243) Ida I = Dactyl, obtained by the Galileo spacecraft. Courtesy NASA/JPL.

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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 second column (in the *MPCs*).

Reference	Line(s)	
<i>MPC</i> 21608	– 8	<i>For</i> programer <i>read</i> programmer [(4115) citation]
<i>MPC</i> 27463	25	<i>For</i> programer <i>read</i> programmer [(6820) citation]
<i>MPC</i> 30475	26	<i>For</i> programer <i>read</i> programmer [(4427) citation]
<i>MPC</i> 33788	25	<i>For</i> programer <i>read</i> programmer [(7229) citation]
<i>MPC</i> 39652	8	<i>For</i> programer <i>read</i> programmer [(8632) citation]
<i>MPC</i> 44186	7	<i>For</i> programer <i>read</i> programmer [(11652) citation]
<i>MPC</i> 45336	5	<i>For</i> astronomical <i>read</i> astronomical [(8397) citation]
<i>MPC</i> 46107	30 & 31	<i>For</i> programer <i>read</i> programmer [(12527) citation]
<i>MPC</i> 47167	–17	<i>For</i> programer <i>read</i> programmer [(11317) citation]
<i>MPC</i> 49098	30	<i>For</i> programer <i>read</i> programmer [(13620) citation]
<i>MPC</i> 49098	36	<i>For</i> programer <i>read</i> programmer [(13622) citation]
<i>MPC</i> 49098	41	<i>For</i> programer <i>read</i> programmer [(13633) citation]
<i>MPC</i> 50465	24	<i>For</i> programer <i>read</i> programmer [(48300) citation]
<i>MPC</i> 53954	6	<i>For</i> programer <i>read</i> programmer [(18365) citation]
<i>MPC</i> 53954	38	<i>For</i> british <i>read</i> British [(20469) citation]
<i>MPC</i> 53956	21	<i>For</i> Ginkgo biloba <i>read</i> <i>Ginkgo biloba</i> [(85197) citation]
<i>MPC</i> 61765	–37	<i>For</i> Wronski <i>read</i> Wroński [(33017) name]
<i>MPC</i> 61765	–35	<i>For</i> Hoëne-Wron'ski <i>read</i> Hoëne-Wroński [(33017) citation]
<i>MPC</i> 61765	–34	<i>For</i> Wron'ski <i>read</i> Wroński [(33017) citation]
<i>MPC</i> 62357	–13 to –12	<i>For</i> the Australopithecus afarensis in Ethiopia <i>read</i> the <i>Australopithecus afarensis</i> fossil found in Ethiopia [(172850) citation]
<i>MPC</i> 65711	12	<i>For</i> Ackworthorr <i>read</i> Acworthorr [(12628) name]
<i>MPC</i> 65711	15	<i>For</i> Mary Ackworth Orr <i>read</i> Mary Acworth Orr [(12628) citation]
<i>MPC</i> 77509	17	<i>For</i> She is One of <i>read</i> She is one of [(191857) citation]
<i>Bull.</i> 2, #15, 15	16	<i>For</i> \$γ\$-ray <i>read</i> γ-ray [(114739) 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) name(s) is/are followed by an asterisk if this is a change from what was published when the object was numbered.

### **(5763) Williamtobin = 1982 MA**

*Discovery: 1982-06-23 / A. C. Gilmore, P. M. Kilmartin / Lake Tekapo / 474*

William John Tobin (1953–2022) was the English-born former director of Mt. John Observatory. He studied spectra and photometry of blue stars, eclipsing binaries in the Magellanic Clouds, and the dust disk around  $\beta$  Pictoris. His publications include a definitive biography of Léon Foucault and a history of southern expeditions for the transit of Venus.

### **(6248) Bardon = 1991 BM<sub>2</sub>**

*Discovery: 1991-01-17 / Z. Vávrová / Klet' / 046*

Zdeněk Bardon (b. 1961) is a Czech amateur astronomer, photographer and popularizer of astronomy. He built his own robotic observatory, and later worked on the automation of large professional telescopes around the world. He was the founder of the Czech Astrophoto of the Month, and was an ESO Photo Ambassador and is a Honorary Member of the IAU.

### **(10514) Harlow = 1989 TD<sub>16</sub>**

*Discovery: 1989-10-04 / H. Debehogne / La Silla / 809*

Scott Harlow (1963–2020) was an amateur astronomer in British Columbia, Canada, who joined RASC Sunshine Coast Centre in 2011, served as club librarian and on the Board of Directors, and worked at many club meetings and outreach events. He was particularly active as a volunteer at the club's observatory and coordinated donations of telescopes to the club.

### **(10682) Kutryk = 1980 KK**

*Discovery: 1980-05-22 / H. Debehogne / La Silla / 809*

Joshua Kutryk (b. 1982) is a Canadian mechanical engineer who has worked on flight testing and pilot instruction. He was selected as an astronaut by the Canadian Space Agency in 2017.

### **(10731) Dollyparton = 1988 BL<sub>3</sub>**

*Discovery: 1988-01-16 / H. Debehogne / La Silla / 809*

Dolly Rebecca Parton (b. 1946) is a musician, entrepreneur, and philanthropist. She has composed thousands of songs, including megahits “Jolene”, “I Will Always Love You” and “9 to 5.” She is known for her charitable works, including relief for wildfire victims, free books to support early childhood literacy, and contributions to COVID-19 research.

**(11831) Chaple = 1984 SF<sub>3</sub>**

*Discovery: 1984-09-28 / B. A. Skiff / Anderson Mesa / 688*

Glenn Chaple (b. 1947) is an American popularizer of astronomy. He is best known for his 20-year career as a contributing editor for *Astronomy* magazine. As a member of the AAVSO he has submitted over 80,000 visual estimates of variable stars. He served as president (2015–2018) of the Amateur Telescope Makers of Boston.

**(13487) Novosyadlyj = 1981 VN**

*Discovery: 1981-11-02 / B. A. Skiff / Anderson Mesa / 688*

Ukrainian astronomer Bodhan S. Novosyadlyj (b. 1957) is head of the Astronomical Observatory of Lviv Ivan Franko National University. His research interests include the astrophysics of gaseous nebulae, quasars, and especially the large-scale structure of the universe.

**(27565) de Wet = 2000 KX<sub>81</sub>**

*Discovery: 2000-05-24 / LONEOS / Anderson Mesa / 699*

Martin de Wet (b. 1952) earned a master's degree in Aeronautical and Astronautical Engineering and worked on commercial, scientific, and governmental spacecraft. He worked in the space launch industry before retiring. Martin serves on Lowell Observatory's Advisory Board.

**(29127) Karnath = 1985 FF<sub>2</sub>**

*Discovery: 1985-03-24 / B. A. Skiff / Anderson Mesa / 688*

Nicole M. Karnath (b. 1987) is an American astronomer. She has studied the earliest stages of star-formation, including discs and outflows in protostars, at infrared and millimeter wavelengths.

**(31244) Guidomonzino = 1998 DG<sub>11</sub>**

*Discovery: 1998-02-19 / P. Sicoli, A. Testa / Sormano / 587*

Guido Monzino (1928–1988) was an Italian explorer who followed the Latin maxim “Gradatim Consenditur Ad Alta”. The Villa del Balbianello on Lake Como is now a museum dedicated to Monzino's expeditions.

**(34541) Gustavosanreyes = 2000 SB<sub>228</sub>**

*Discovery: 2000-09-28 / LINEAR / Socorro / 704*

Gustavo Xavier Santiago-Reyes (b. 2000) was awarded second place in the 2018 Intel International Science and Engineering Fair for his math team project. He attended the Escuela Especializada en Ciencias, Matematicas y Tecnologia, Caguas, Puerto Rico, U.S.A.

**(34544) Omarsanreyes = 2000 SP<sub>233</sub>**

*Discovery: 2000-09-21 / LINEAR / Socorro / 704*

Omar Alejandro Santiago-Reyes (b. 2000) was awarded second place in the 2018 Intel International Science and Engineering Fair for his math team project. He attended the Escuela Especializada en Ciencias, Matematicas y Tecnologia, Caguas, Puerto Rico, U.S.A.

**(34571) Dominicyp = 2000 SA<sub>308</sub>**

*Discovery: 2000-09-30 / LINEAR / Socorro / 704*

Dominic Wei Ting Yap (b. 2000) was awarded first place in the 2018 Intel International Science and Engineering Fair for his chemistry team project. He attended the Hwa Chong Institution, Singapore, Singapore.

**(34576) Leeshangjung = 2000 SA<sub>329</sub>**

*Discovery: 2000-09-27 / LINEAR / Socorro / 704*

Lee Shang-Jung (b. 1999) was awarded second place in the 2018 Intel International Science and Engineering Fair for his engineering mechanics team project. He attended the Concordia Middle School, Chiayi County, Taiwan.

**(34580) Yenpohsun = 2000 SA<sub>343</sub>**

*Discovery: 2000-09-24 / LINEAR / Socorro / 704*

Yen Po-Hsun (b. 2000) was awarded second place in the 2018 Intel International Science and Engineering Fair for his engineering mechanics team project. He attended the Department of Education, Chiayi City, Chiayi City, Taiwan.

**(43087) Castegna = 1999 WW<sub>8</sub>**

*Discovery: 1999-11-28 / S. Sposetti / Gnosca / 143*

The cultivation of the sweet chestnut (*Castanea sativa*) was important for millennia for populations of several European mountain areas. “Castegna” is the local dialect name of both fruit and tree, which is the dominant tree around the observatory where this object was discovered.

**(142401) Simonhook = 2002 SH<sub>23</sub>**

*Discovery: 2002-09-27 / NEAT / Palomar / 644*

Simon Hook (b. 1961) is Principal Investigator of the ECOSTRESS instrument on the International Space Station and was manager of the Science Division at JPL from 2015–2022.

**(558398) Nagysándor = 2015 AT<sub>140</sub>**

*Discovery: 2013-08-31 / T. Csörgei, K. Sárnecky \* / Piszkestető / 461*

Sándor Nagy (b. 1970) is a Slovak amateur astronomer and science promoter. As the head of the Corvus astronomy club in Gabčíkovo, he has significantly contributed to the interest of young people in science and astronomy.

## 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

P/2022 W1 (Rankin)	MPEC 2022-W159
P/2022 V1 = P/2010 BN <sub>109</sub> (WISE-Lemmon)	MPEC 2022-W148
P/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 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
C/2022 N2 (PANSTARRS)	MPEC 2022-N48
C/2022 N1 (Attard-Maury)	* MPEC 2022-N47



P/2022 M1 (LONEOS-PANSTARRS)	2022-09-03
C/2022 L4 (PANSTARRS)	MPEC 2022-M104
P/2022 L3 (ATLAS)	MPEC 2022-M97
C/2022 L2 (ATLAS)	MPEC 2022-M18
C/2022 L1 (Catalina)	MPEC 2022-L97
C/2022 K1 (Leonard)	MPEC 2022-L53
C/2022 J2 (Bok)	MPEC 2022-M98
C/2022 J1 (Maury-Attard)	* MPEC 2022-J88
C/2022 H1 (PANSTARRS)	MPEC 2022-J76
C/2021 X1 (Maury-Attard)	* MPEC 2022-J33
P/2021 V3 = P/2011 UE <sub>215</sub> (Lemmon-PANSTARRS)	2022-05-25
P/2021 R9 (Sheppard-Tholen)	MPEC 2022-O19
C/2021 QM <sub>45</sub> (PANSTARRS)	MPEC 2022-N12
P/2020 MK <sub>4</sub> (PANSTARRS)	MPEC 2022-W78
P/2020 A4 (PANSTARRS-Lemmon)	MPEC 2022-P91
C/2019 G4 (PANSTARRS)	MPEC 2022-P69
C/2018 T2 (TESS)	MPEC 2022-Q126
P/2016 PM <sub>1</sub> = P/2010 LK <sub>36</sub> = P/2016 MD = P/2022 C4 (WISE-PANSTARRS)	MPEC 2022-M81
P/2003 CC <sub>22</sub> = P/2022 B5 (Sheppard-Jewitt)	MPEC 2022-V36

### Recent Numberings

452P/2003 CC <sub>22</sub> = P/2022 B5 (Sheppard-Jewitt)	MPC 158523
451P/2007 A2 = P/2006 WY <sub>182</sub> = 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/2022 Q1 = P/2008 T13 (PANSTARRS)	MPC 141922
447P/2021 R9 = P/2008 T14 (Sheppard-Tholen)	MPC 141922
446P/2012 O3 = P/2022 G2 (McNaught)	MPC 141173
445P/2014 R5 = P/1998 W9 = P/2006 S14 = P/2022 L5 (Lemmon-PANSTARRS)	MPC 141173
444P/2016 PM1 = P/2010 LK36 = P/2016 MD = P/2022 C4 (WISE-PANSTARRS)	MPC 141173
443P/2022 E1 = P/2005 N11 = P/2015 PO <sub>210</sub> (PANSTARRS-Christensen)	MPC 139977
442P/2011 Q3 = P/2022 G1 (McNaught)	MPC 139977
441P/2017 R1 = P/2022 B2 (PANSTARRS)	MPC 138400
440P/1997 B1 = P/2021 W2 (Kobayashi)	MPC 136564
439P/2008 WZ <sub>96</sub> = P/2021 W1 (LINEAR)	MPC 136564
438P/2005 T2 = P/2012 V5 = P/2020 OV <sub>62</sub> (Christensen)	MPC 136564
437P/2021 V3 = P/2011 UE <sub>215</sub> (Lemmon-PANSTARRS)	MPC 136564

## 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 23626 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. Elmgreen, *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.

