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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.

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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 *MPCs*).

Reference	Line(s)	
<i>MPC</i> 62929	34 to 35	<i>For c'est pas sorcier read C'est pas sorcier</i> [(23877) citation]
<i>MPC</i> 62929	40	<i>For c'est pas sorcier read C'est pas sorcier</i> [(23882) citation]
<i>MPC</i> 62929	45	<i>For c'est pas sorcier read C'est pas sorcier</i> [(23890) citation]
<i>MPC</i> 63173	-39 to -38	<i>For Australopithecus afarensis read</i> <i>Australopithecus afarensis</i> [(32605) citation]
<i>MPC</i> 99354	21	<i>For Hermán read Hernán</i> [(26857) citation]
<i>Bull.</i> 3, #7, 13	- 3	<i>For</i> (b. 1939) <i>read</i> (b. 1942) [(91869) citation]
<i>Bull.</i> 3, #7, 14	3	<i>For</i> (b. 1942) <i>read</i> (b. 1939) [(91870) citation]
<i>Bull.</i> 3, #9, 15	-14 to -13	<i>For Astronomy Magazine read Astronomy magazine</i> [(30286) citation]
<i>Bull.</i> 3, #9, 16	-15	<i>For an Ukrainian read a Ukrainian</i> [(30435) citation]
<i>Bull.</i> 3, #9, 16	-10	<i>For German/-Swiss read German-Swiss</i> [(30436) citation]
<i>Bull.</i> 3, #9, 16	- 3 to - 2	<i>For</i> , an automatic telescope in Korea and a predecessor to <i>read</i> to find optical transients by a global network of automated telescopes. He also participated in [(30438) citation]
<i>Bull.</i> 3, #9, 24	17	<i>For Metayer read Métayer</i> [(32398) name]
<i>Bull.</i> 3, #9, 31	3	<i>For</i> is a a <i>read</i> is a [(33832) citation]
<i>Bull.</i> 3, #9, 37	-10	<i>For</i> British/American <i>read</i> British-American [(37222) citation]

New Names of Minor Planets

The following new names of minor planets have been approved by the WGSSN. 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.

(17217) Pollner = 2000 AR₂₄₃

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

Alina Virginia Pollner (b. 2001) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for her plant sciences project. She attended the Canyon Crest Academy, San Diego, California.

(17231) Rohanwagh = 2000 CB₁₂₂

Discovery: 2000-02-03 / LINEAR / Socorro / 704

Rohan Mahesh Wagh (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 Sunset High School, Portland, Oregon.

(17235) Ellawesson = 2000 EC₂₉

Discovery: 2000-03-04 / LINEAR / Socorro / 704

Ella Rose Wesson (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 Manhasset High School, Manhasset, New York.

(17236) Westover = 2000 EK₄₅

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

Alek M. Westover (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 Belmont High School, Belmont, Massachusetts.

(17238) Brianwu = 2000 EP₅₆

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

Brian Y. Wu (b. 2001) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for his space science project. He attended the Horace Mann School, Bronx, New York.

(17245) Yixie = 2000 GS₄₂

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

Yi Xie (b. 2001) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for her genomics project. She attended the Bronx High School of Science, Bronx, New York.

(17248) Ellieyang = 2000 GC₁₀₇

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

Ellie Yang (b. 2002) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for her computer science project. She attended the Parkway Central High School, Chesterfield, Missouri.

(17268) Yasonik = 2000 KZ₅₀

Discovery: 2000-05-29 / LINEAR / Socorro / 704

Jake Yasonik (b. 2001) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for his computational biology and bioinformatics project. He attended the Homestead High School, Mequon, Wisconsin.

(17736) Zhifeiyu = 1998 BA₁₂

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

Zhifei Yu (b. 2002) was a finalist in the 2020 Regeneron Science Talent Search, a science competition for high school seniors, for her space science project. She attended the Phillips Academy, Andover, Massachusetts.

(20005) Zagarella = 1991 GL₇

Discovery: 1991-04-08 / E. W. Elst / La Silla / 809

Roberto Zagarella (b. 1953) is an Italian amateur astronomer who has participated in the PRISMA meteor network since its inception. The aim of PRISMA is the systematic observation of fireballs to determine the orbits of the progenitor bodies and the areas where meteorites may have fallen.

(20009) Joerao = 1991 OY

Discovery: 1991-07-18 / H. E. Holt / Palomar / 675

Joseph Michael Rao (b. 1956) was the Emmy Award-nominated chief meteorologist and science editor at News 12 Westchester (New York) for 21 years. Since 1986, he has served as an associate and guest lecturer at the Hayden Planetarium. He is also a regular contributor to *Sky & Telescope*, Space.com, *Natural History*, and the *Farmers' Almanac*.

(20010) Tomfrench = 1991 PN₂

Discovery: 1991-08-02 / E. W. Elst / La Silla / 809

Thomas W. French (b. 1950), a biologist and former assistant director of MassWildlife's Natural Heritage and Endangered Species Program, led the successful reintroduction of peregrine falcons and bald eagles in Massachusetts after their native populations were wiped out due to extensive use of the insecticide DDT from the 1940s to 1972.

(24673) Ohsugitadao = 1989 SB₁

Discovery: 1989-09-28 / K. Endate, K. Watanabe / Kitami / 400

Tadao Ohsugi (b. 1950) is a Japanese amateur astronomer. For more than half a century, through the activities of his astronomical club, he has conducted educational activities such as stargazing events for children and local people.

(24816) Einagahideo = 1994 VU₆

Discovery: 1994-11-01 / K. Endate, K. Watanabe / Kitami / 400

Hideo Einaga (b. 1949) is a Japanese amateur astronomer. He observes planets as a member of the Japanese Lunar and Planetary Research Society. His image-processed data are used by researchers, and he works on training young planetary observers.

(33241) Jeanmedas = 1998 HX₅

Discovery: 1998-04-21 / ODAS / Caussols / 910

Jean Medas (1921–1999) was a French optician. He survived the Dora concentration camp, and after WWII opened a company specializing in astronomical instruments. Over the years, he has been instrumental in the development of amateur astronomy in France, both by importing instruments and planetaria, and by helping amateurs popularize science.

(52426) Ritaalessandro = 1994 PF

Discovery: 1994-08-05 / A. Boattini, M. Tombelli / San Marcello / 104

Rita Alessandro (b. 1989) is an Italian amateur astronomer and has been a member of the Gruppo Astrofili Montelupo since 2014. She has studied the mythology of constellations and gives talks on the topic at astronomy meetings.

(90821) Augustsedláček = 1995 SA₂

*Discovery: 1995-09-26 / M. Tichý, Z. Moravec * / Klet' / 046*

August Sedláček (1843–1926) was a Czech historian, archivist and genealogist. Originally a high school teacher, in his retirement he served as the director of the Museum in Písek. His main work was the fifteen-volume *Castles, Chateaux and Strongholds of the Kingdom of Bohemia*, published between 1882 and 1927.

(113673) Bettystrickland = 2002 TU₉₇

*Discovery: 2002-10-02 / F. Bernardi * / Campo Imperatore / 599*

Elisabetta Strickland (b. 1948) is an Italian mathematician at the University of Rome Tor Vergata. She is very active in scientific dissemination of science, in particular of astronomy, astrophysics and space science.

(152336) Nicolecarr = 2005 UN₅₁

Discovery: 2005-10-23 / CSS / Catalina / 703

Nicole Carr (b. 1988) is a British astronomer, astrophotographer, and aurora borealis chaser. She is an explorer of the cosmos, a writer, a science communicator and a stargazing guide in Dalby Forest, North Yorkshire.

(152337) Sakeenaburson = 2005 UO₅₅

Discovery: 2005-10-23 / CSS / Catalina / 703

Sakeena Burson (b. 1983) is a British amateur astronomer and astrophotographer. Her main interests are comets, asteroids, the Moon, and outreach to young budding astronomers.

(333005) Haberle = 2011 JV₁₅

Discovery: 2010-02-13 / Mt. Lemmon Survey / Mount Lemmon / G96

Christopher Haberle (b. 1985) is an American geologist. He was a member of the OSIRIS-REx Thermal Emission Spectrometer instrument team and is Deputy Instrument Scientist for the OSIRIS-APEX extended mission.

(333035) Pelgrift = 2011 SX₉₀

Discovery: 2007-10-31 / Mt. Lemmon Survey / Mount Lemmon / G96

John Pelgrift (b. 1994) worked on the navigation teams for the OSIRIS-REx Asteroid Sample Return Mission and the New Horizons Kuiper Extended Mission. He helped reach the farthest object ever visited and the smallest body ever orbited at the time, pushing the extremes of spaceflight and exploration.

(333081) Cutts = 2011 UM₁₂₂

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

Jonathan Cutts (b. 1983) was a Planning Specialist on the OSIRIS-REx mission. He is enthusiastic about learning about the creation of the universe.

(541631) Kirbulychev = 2011 UT₁₇₂

Discovery: 2011-09-21 / T. Kryachko, B. Satovski / Zelenchukskaya Stn / 114

Kir Bulychev was a pen name of Igor Vsevolodovich Mozheiko (1934–2003). He was a Russian orientalist historian and a well-known science fiction writers. Many of his creations are well-loved by readers of several generations.

(563853) Andrewdubeyjames = 2016 EV₁₂₀

Discovery: 2011-01-08 / N. Falla / Mayhill / H06

Andrew Dubey James (b. 1972) has worked as a British government employee for 32 years. He is a keen sportsman and scuba diver and also enjoys training others in these pursuits. Andrew is the son-in-law of the discoverer.

(576465) Craigwoodhams = 2012 SZ₅₆

Discovery: 2012-09-24 / N. Falla / Mayhill / H06

Craig Woodhams (b. 1990) is a British gymnastics coach based in Woking, Surrey. He works with children of all ages and abilities helping to keep them active and achieve their potential in the sport. A qualified judge, he also volunteers as an official at national and international events.

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)

P/2023 M1 (PANSTARRS)	MPEC 2023-M65
C/2023 H5 (Lemmon)	MPEC 2023-M44
C/2023 K1 (ATLAS)	MPEC 2023-L18
C/2023 H3 (PANSTARRS)	MPEC 2023-K195
C/2023 H2 (Lemmon)	MPEC 2023-K122
C/2022 V2 (Lemmon)	MPEC 2023-K121
P/2014 OL ₄₆₅ (PANSTARRS)	MPEC 2023-K66
C/2023 F2 (SOHO)	MPEC 2023-K45
C/1808 R1 (Pons)	2023-05-16
P/2000 OZ ₂₁ (LONEOS-PANSTARRS)	MPEC 2023-J103
C/2023 H1 (PANSTARRS)	MPEC 2023-J101
C/1951 G2 = C/1952 C1 (Groeneveld-Palomar)	MPEC 2023-J76
P/2018 HT ₃ (NEOWISE)	MPEC 2023-J12
P/2022 BV ₉ (Lemmon)	MPEC 2023-H240
C/2020 H11 (PANSTARRS-Lemmon)	MPEC 2023-H237
P/2010 OE ₁₀₁ = P/2021 LJ ₃₁ (WISE)	MPEC 2023-H227
C/2023 F1 (PANSTARRS)	MPEC 2023-H184
C/2022 JK ₅ (PANSTARRS)	MPEC 2023-H180
459P/2010 VH ₉₅ (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 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

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 24355 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.

