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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.

(9278) Matera = 1981 EM₁

Discovery: 1981-03-07 / H. Debehogne, G. De Sanctis / La Silla / 809

Matera is a city in Italy and one of the oldest continuously inhabited cities in the world. It is known worldwide for its historic Sassi districts. The European Union designated Matera as a European capital of culture for 2019.

(11708) Kathyfries = 1998 HT₁₉

Discovery: 1998-04-18 / LINEAR / Socorro / 704

Kathy Fries mentored a finalist in the 2019 Regeneron Science Talent Search, a science competition for high school seniors. She teaches at the duPont Manual High School, Louisville, Kentucky.

(11721) Shawnlowe = 1998 HE₁₀₀

Discovery: 1998-04-21 / LINEAR / Socorro / 704

Shawn Lowe mentored a finalist in the 2019 Regeneron Science Talent Search, a science competition for high school seniors. She teaches at the T. C. Williams High School, Alexandria, Virginia.

(11723) Briankenedy = 1998 HT₁₂₅

Discovery: 1998-04-23 / LINEAR / Socorro / 704

Brian Kennedy mentored a finalist in the 2019 Regeneron Science Talent Search, a science competition for high school seniors. He teaches at the Thomas Jefferson High School for Science and Technology, Alexandria, Virginia.

(11735) Isabellecohen = 1998 KN₅₆

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

Isabelle Cohen mentored a finalist in the 2019 Regeneron Science Talent Search, a science competition for high school seniors. She teaches at the Potomac School, McLean, Virginia.

(11737) Gregneat = 1998 QL₂₄

Discovery: 1998-08-17 / LINEAR / Socorro / 704

Greg Neat mentored a finalist in the 2019 Regeneron Science Talent Search, a science competition for high school seniors. He teaches at the Crescenta Valley High School, La Crescenta, California.

(11747) Libbykamen = 1999 NQ₉

Discovery: 1999-07-13 / LINEAR / Socorro / 704

Libby Kamen mentored a finalist in the 2019 Regeneron Science Talent Search, a science competition for high school seniors. She teaches at the West Windsor Plainsboro High School South, Princeton Junction, New Jersey.

(11751) Davidcarroll = 1999 NK₃₇

Discovery: 1999-07-14 / LINEAR / Socorro / 704

David Carroll mentored a finalist in the 2019 Regeneron Science Talent Search, a science competition for high school seniors. He teaches at the Plano West Senior High School, Plano, Texas.

(12069) Michaelbruno = 1998 FC₅₉

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

Michael Bruno mentored a finalist in the 2019 Regeneron Science Talent Search, a science competition for high school seniors. He teaches at the North Carolina School of Science and Mathematics, Durham, North Carolina.

(15625) Agrawal = 2000 HB₃₅

Discovery: 2000-04-27 / LINEAR / Socorro / 704

Malhaar Agrawal (b. 2002) was awarded first place in the 2019 Intel International Science and Engineering Fair for his biomedical and health sciences project. He attended the Horace Mann School, Bronx, New York, U.S.A.

(15976) Bhansali = 1998 FY₁₁₉

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

Rinni Bhansali (b. 2001) was awarded second place in the 2019 Intel International Science and Engineering Fair for her mathematics project. She attended the Half Hollow Hills High School East, Dix Hills, New York, U.S.A.

(15989) Anusha = 1998 XK₃₉

Discovery: 1998-12-14 / LINEAR / Socorro / 704

Anusha Bhattacharyya (b. 2001) was awarded second place in the 2019 Intel International Science and Engineering Fair for her materials science project. She attended the Little Rock Central High School, Little Rock, Arkansas, U.S.A.

(16028) Anushree = 1999 DC₆

Discovery: 1999-02-17 / LINEAR / Socorro / 704

Anushree Chaudhuri (b. 2002) was awarded second place in the 2019 Intel International Science and Engineering Fair for her chemistry project. She attended the Westview High School, San Diego, California, U.S.A.

(16049) D'Amore = 1999 JS₃₂

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

Anthony Joseph D'Amore (b. 2001) was awarded second place in the 2019 Intel International Science and Engineering Fair for his animal sciences project. He attended the Smithtown High School East, St. James, New York, U.S.A.

(17138) Burgosrosario = 1999 JM₈₄

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

Miamar Gloria Burgos-Rosario (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.

(35459) Klaurieger = 1998 DG₂₀

Discovery: 1998-02-27 / L. Šarounová / Ondřejov / 557

Kludia Ivanics-Rieger (1989–2023) was a geography and religious teacher, writer, educator, amateur astronomer and founder of the Bakony Astronomical Association. She established the first interactive traveling astronomy exhibition for the visually impaired, called Tapintható Univerzum, in Europe. She promoted science throughout Hungary for 15 years.

(47650) Tuthill = 2000 CU₄₀

Discovery: 2000-02-01 / CSS / Catalina / 703

Roger W. Tuthill (1919–2000) was a long-time member of Amateur Astronomer's, Inc., Stellafane, the United Astronomy Clubs of New Jersey (USA), and many other astronomy organizations. He was well known for eclipse chasing, having observed at least 18 total solar eclipses and was well known for his innovative astronomical products and thin-film solar filters.

(47862) Nancyramos = 2000 ED₁₇₅

Discovery: 2000-03-02 / CSS / Catalina / 703

Nancy L. Ramos (b. 1994) is an American administrator and the Executive Assistant to the PI Office for NASA's OSIRIS-REx asteroid sample return mission. She provides administrative, logistical, and technical support to the mission team.

(50739) Gracecook = 2000 EY₁₅₆

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

A. Grace Cook (1877–1958) was a British astronomer, known as a skilled observer. After joining the British Astronomical Association, she observed the 1914 Mercury transit from her own observatory, and was elected a Fellow of the Royal Astronomical Society in 1916. Known for meteor and auroral observations, she received the E.C.Pickering Fellowship in 1920.

(50753) Maryblagg = 2000 EO₁₇₇

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

Mary Adela Blagg (1858–1944) was an English astronomer. After joining the British Astronomical Association, she helped develop a uniform system of lunar nomenclature and was later elected as a Fellow of the Royal Astronomical Society. She joined the Lunar Commission of the IAU in 1920, standardizing lunar nomenclature in *Named Lunar Formations*.

(52965) Laurencebentz = 1998 TK₁₇

Discovery: 1998-10-15 / ODAS / Caussols / 910

Laurence Bentz (b. 1958) is a French medical doctor, specializing in Public Health & Education Sciences. She contributed to tackling the HIV-AIDS epidemic at its onset, through clinical work, epidemiology, and research to enhance patient adherence to complex treatments. She also developed interventions to support the empowerment of chronically-ill people.

(96257) Roberto = 1995 JE

Discovery: 1995-05-03 / S. Mottola / La Silla / 809

Roberto Mottola (b. 1990) is an Italian-German physicist expert in the field of quantum physics. He has investigated the use of room-temperature single-photon sources and atomic quantum memories for the application to broadband quantum networks. Name proposed by his father, the discoverer, in occasion of the successful completion of his PhD in March 2023.

(127936) Maia = 2003 HU₁

Discovery: 2003-04-23 / CINEOS / Campo Imperatore / 599

Maia Palomba (b. 2011) is the second daughter of Ernesto Palomba, one of the CINEOS observers.

(166974) Joanbinimelis = 2003 OZ₅

Discovery: 2003-07-24 / OAM / Costitx / 620

Joan Binimelis García (1539–1616) was a Spanish astronomer, geographer and physician. He wrote *Història nova de l'illa de Mallorca*, an encyclopedia with historical, geographical, medical, cosmological and public health information.

(291824) Cami = 2006 KH₁₃₃

Discovery: 2006-05-25 / P. A. Wiegert / Mauna Kea / 568

Jan Lieven Jo Cami (b. 1972) is a Belgian-Canadian astronomer who studies evolved stars, interstellar matter and astrochemistry. Cami did his graduate studies at the University of Amsterdam and Vrije Universiteit Brussel. He won the Qilak Award from the Canadian Astronomical Society in 2019. He is one of the co-discoverers of fullerenes in space.

(292856) Peeters = 2006 UE₃₄₁

Discovery: 2006-10-26 / P. A. Wiegert / Mauna Kea / 568

Els Peeters (b. 1973) is a Belgian-Canadian astronomer who completed her PhD at the University of Groningen on polycyclic aromatic hydrocarbons and dust in regions of massive star formation. She studies how stars are formed, the inter-/circumstellar medium in galaxies, and theoretical astrochemistry. She is one of the co-discoverers of fullerenes in space.

(298762) Sarahgallagher = 2004 HT₇₇

Discovery: 2004-04-26 / P. A. Wiegert / Mauna Kea / 568

Sarah Connoran Gallagher (b. 1973) is an American-Canadian astronomer who studies quasars and compact galaxy groups. A Professor in the Dept of Physics and Astronomy at the University of Western Ontario in London Canada, she has been Director of its Institute for Earth and Space Exploration, and Science Advisor to the President of the Canadian Space Agency.

(299518) Metchev = 2006 CX₆₃

Discovery: 2006-02-02 / P. A. Wiegert / Mauna Kea / 568

Stanimir A. Metchev (b. 1976) is a Bulgarian-Canadian Professor and Canada Research Chair at the University of Western Ontario in London, Canada. His 2005 PhD at Caltech was on brown dwarf companions to young solar analogs. He is known for his research on planetary systems around nearby stars and on the atmospheres of brown dwarfs and exoplanets.

(301623) Wynn-Williams = 2010 DA₇₈

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

Gareth Wynn-Williams (b. 1944) is a British-American astronomer. He earned his PhD in radio astronomy at Cambridge University, then served most of his career at the University of Hawai'i making infrared studies of interstellar clouds both in the Milky Way and in external galaxies.

(319651) Topografo = 2006 TO₇

*Discovery: 2006-10-10 / L. Tesi, M. T. Mazzucato * / San Marcello / 104*

Dedicated to the Italian Society of Photogrammetry and Topography and to all Italians involved in surveying sciences. It is the main association of surveyors in Italy and was founded in Rome in 1951. Its first president was the geodesist Giovanni Boaga (1902–1961).

(321673) Huber = 2010 CO₁₈₂

Discovery: 2010-02-14 / Pan-STARRS 1 / Haleakala / F51

Mark E. Huber (b. 1973) is an American researcher at the University of Hawai'i with the Pan-STARRS observatory. His focus is on transient source detection and classification, supporting surveys for Near-Earth objects and explosive transients.

(343412) de Boer = 2010 CC₁₈₁

Discovery: 2010-02-13 / Pan-STARRS 1 / Haleakala / F51

Thomas J. L. de Boer (b. 1983) is a Dutch astronomer at the University of Hawai‘i working for the Pan-STARRS survey on improving image reduction and analysis, as well as managing science operations. He is also involved in the study of Milky Way stellar streams and uncovering the formation history of nearby dwarf galaxies and clusters.

(343438) Gao = 2010 DS₇₇

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

Hua Gao (b. 1992) is a Chinese astronomer who received his PhD from Peking University in 2019. In 2021, he joined the Pan-STARRS Image Processing Pipeline team at the Institute for Astronomy, University of Hawai‘i.

(343440) Magnier = 2010 DY₇₇

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

Eugene A. Magnier (b. 1967) is an American astronomer who received his PhD from MIT in 1993. He has worked on data analysis systems for several observatories including LONEOS and CFHT. Since 2004, he has led the Pan-STARRS Image Processing Pipeline team as a faculty member of the University of Hawai‘i.

(343441) Chienchenglin = 2010 DC₇₈

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

Chien-Cheng Lin (b. 1981) is a Taiwanese researcher who graduated from Taiwan National Central University. He has been actively utilizing all-sky survey databases for his scientific research. While working at the Institute for Astronomy, University of Hawai‘i, he contributed to the development and maintenance of the software in the Pan-STARRS surveys.

(344040) Davidiactor = 2012 PO₅

Discovery: 2001-05-23 / L. H. Wasserman / Cerro Tololo / 807

David I. Actor (b. 1949) spent his career in water resources and engineering, from lake and marine charting to waste water management and infrastructure planning in the US. He has lived in dark sky locations and maintains a lifelong interest in astronomy and planetary science.

(346999) Evalilly = 2010 CQ₁₈₃

Discovery: 2010-02-15 / Pan-STARRS 1 / Haleakala / F51

Eva Lilly (b. 1982) is a Slovak-American astronomer. She earned her PhD in astronomy at Comenius University in Bratislava. After working at the University of Hawai‘i for the Pan-STARRS survey she became a senior research scientist at the Planetary Science Institute. Her research includes planetary defense, comets and trans-Neptunian objects.

(353409) Onaka = 2011 QW₃

Discovery: 2011-08-19 / Pan-STARRS 1 / Haleakala / F51

Peter M. Onaka (b. 1961) is an American engineer and the Chief Engineer at the University of Hawai'i's Institute for Astronomy. He led the technical teams that designed and built the Gigapixel Cameras used on the two Pan-STARRS telescopes, generating surveys and research discoveries of NEOs, supernovae, variable stars, and other celestial objects.

(456695) Xingdingyu = 2007 RT₂₁₂

Discovery: 2007-08-18 / PMO NEO Survey Program / XuYi / D29

Xing Dingyu (b. 1945) is a Chinese physicist and an academician of the Chinese Academy of Sciences. He has made contributions to the theories of giant magnetoresistance, hot-electron transport in semiconductors, and high temperature superconductivity.

(500170) Lusitano = 2012 FF₂₅

Discovery: 2012-02-26 / Pan-STARRS 1 / Haleakala / F51

Lusitano is a modern synonym for Portuguese. Lusitano means “coming from Lusitânia,” an ancient Roman province located between the Douro and Tagus rivers, in what is now Portugal. Name suggested by A. Costa and students from the NUCLIO Asteroid Search Team in Portugal.

(515812) Pueo = 2015 ME₅₂

Discovery: 2012-10-20 / Pan-STARRS 1 / Haleakala / F51

The Pueo is a short-eared owl endemic to Hawai'i and a frequent visitor to forested areas and clearings. The Pueo owl has habitats near the Maui Preparatory Academy, where K. Ornelas and T. Lee were students at the time this minor planet was first observed in collaboration with IASC.

(547345) Kennethchambers = 2010 LA₁₅₃

Discovery: 2015-07-26 / Pan-STARRS 2 / Haleakala / F52

Kenneth C. Chambers (b. 1956) is an American astronomer who began his career at the Johns Hopkins University. After a postdoc at Leiden University he joined the faculty of the Institute for Astronomy at the University of Hawai'i. There he became the founding Director of the Pan-STARRS Observatory, where he focused his efforts on the Pan-STARRS surveys.

(548690) Hazucha = 2010 UC₃₀

*Discovery: 2010-10-28 / S. Kürti, K. Sárneczky * / Piszkestető / 461*

Pavol Hazucha (1939–2022) was a secondary school teacher of physics in Hlohovec, Slovakia. As an amateur astronomer and outstanding educator he regularly cooperated with the Hlohovec Observatory from 1961. As an honorable member of the Slovak Astronomical Society, he involved many students and people in science.

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

C/2023 E1 (ATLAS)	<i>MPEC 2023-E59</i>
P/2023 B3 (PANSTARRS)	<i>MPEC 2023-D10</i>
C/2023 B2 (ATLAS)	<i>MPEC 2023-C44</i>
P/2023 B1 (PANSTARRS)	<i>MPEC 2023-B118</i>
C/2023 A3 (Tsuchinshan-ATLAS)	<i>MPEC 2023-D77</i>
C/2023 A2 (SWAN)	<i>MPEC 2023-D49</i>
C/2023 A1 (Leonard)	<i>MPEC 2023-B66</i>
C/2022 Y2 (Lemmon)	<i>MPEC 2023-B225</i>
C/2022 Y1 (Hogan)	<i>MPEC 2023-A37</i>
C/2022 W3 (Leonard)	<i>MPEC 2023-A29</i>
C/2022 W2 (ATLAS)	<i>MPEC 2023-A28</i>
C/2022 W1 (Rankin)	<i>MPEC 2022-W159</i>
453P/2022 V1 = P/2010 BN ₁₀₉ (WISE-Lemmon)	<i>MPEC 2022-W148</i>
454P/2022 U5 = P/2013 W3 (PANSTARRS)	<i>MPEC 2022-W234</i>
C/2022 U4 (Bok)	<i>MPEC 2022-W158</i>
C/2022 U3 (Bok)	<i>MPEC 2022-V83</i>
C/2022 U2 (ATLAS)	<i>MPEC 2022-V66</i>
C/2022 U1 (Leonard)	<i>MPEC 2022-U343</i>
C/2022 T1 (Lemmon)	<i>MPEC 2023-C52</i>
C/2022 S5 (PANSTARRS)	<i>MPEC 2022-V2</i>
C/2022 S4 (Lemmon)	<i>MPEC 2022-U170</i>
C/2022 S3 (PANSTARRS)	<i>MPEC 2022-T122</i>
P/2022 S1 (PANSTARRS)	<i>MPEC 2022-T89</i>
C/2022 R6 (PANSTARRS)	<i>MPEC 2022-V1</i>
P/2022 R5 (PANSTARRS)	<i>MPEC 2022-T88</i>
P/2022 R4 (PANSTARRS)	<i>MPEC 2022-T87</i>

P/2022 R3 (Leonard)	MPEC 2022-S250
P/2022 R2 (ATLAS)	MPEC 2022-S87
P/2022 R1 (PANSTARRS)	MPEC 2022-R124
C/2022 QE ₇₈ (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
447P/2021 R9 (Sheppard-Tholen)	MPEC 2022-O19
P/2021 PE20 (ATLAS)	MPEC 2023-C66
P/2020 MK ₄ (PANSTARRS)	MPEC 2022-W78
P/2020 A4 (PANSTARRS-Lemmon)	MPEC 2022-P91
C/2019 G4 (PANSTARRS)	MPEC 2022-P69
C/2018 S3 (TESS)	MPEC 2023-D54
C/2018 T2 (TESS)	MPEC 2022-Q126
452P/2003 CC ₂₂ = P/2022 B5 (Sheppard-Jewitt)	MPEC 2022-V36
C/1951 G1 (Groeneveld)	MPEC 2023-F18

Recent Numberings

456P/2021 L4 = P/2012 Q3 (PANSTARRS)	MPC 160359
455P/2017 S9 = P/2011 Q5 = P/2022 R7 (PANSTARRS)	MPC 160359
454P/2022 U5 = P/2013 W3 (PANSTARRS)	MPC 160359
453P/2022 V1 = P/2010 BN ₁₀₉ (WISE-Lemmon)	MPC 160359
452P/2003 CC ₂₂ = P/2022 B5 (Sheppard-Jewitt)	MPC 158523
451P/2007 A2 = P/2006 WY ₁₈₂ = P/2022 S2 (Christensen)	MPC 158523
450P/2004 A1 = P/2022 Q3 (LONEOS)	MPC 158523
449P/2020 S6 = P/1987 A2 = P/2013 Y3 (Leonard)	MPC 158523
448P/2015 X1 = P/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 PM ₁ = P/2010 LK ₃₆ = P/2016 MD = P/2022 C4 (WISE-PANSTARRS)	MPC 141173
443P/2022 E1 = P/2005 N11 = P/2015 PO ₂₁₀ (PANSTARRS-Christensen)	MPC 139977
442P/2011 Q3 = P/2022 G1 (McNaught)	MPC 139977
441P/2017 R1 = P/2022 B2 (PANSTARRS)	MPC 138400

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 23880 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. 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.

