



WGSBN Bulletin



Volume 2, #12

2022 September 12

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 (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>Bull.</i> 1, #4, 10	– 7 to – 6	For got the Golden Horse Life Achievement Award read received the Golden Horse Lifetime Achievement Award [(544033) 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.

(5364) Christophschäfer = 1980 RC₁

Discovery: 1980-09-02 / Z. Vávrová / Klet' / 046

Christoph Schäfer (b. 1975) is a German astrophysicist at the University of Tübingen who works in computational physics and high-performance computing. He is an expert on numerical particle methods, with a focus on collision and impact processes as well as protoplanetary disk modeling.

(14027) Ichimoto = 1994 TJ₁

Discovery: 1994-10-02 / K. Endate, K. Watanabe / Kitami / 400

Kiyoshi Ichimoto (b. 1957) is a professor at Kyoto University. He has contributed to the understanding of the magnetohydrodynamic phenomena of the Sun, such as sunspots and flares, through innovative observations. He is also a member of the Astronomical Society of Japan.

(27620) Kristenwalsh = 2001 KO₆₁

Discovery: 2001-05-18 / LONEOS / Anderson Mesa / 699

Kristen Walsh (b. 1955) is a civil engineer who spent her career in the aerospace industry, working in structural dynamics of rockets, missiles, and spacecraft, before accepting the role of Launch Services Program Manager for Delta II and Delta IV for NASA and commercial missions. She serves on the Lowell Observatory Advisory Board.

(27622) Richardbaker = 2001 KS₇₁

Discovery: 2001-05-24 / LONEOS / Anderson Mesa / 699

Richard Baker (b. 1950) served in the Air Force for four years before becoming an aerospace engineer. He worked in the aerospace industry, specializing in trajectory analysis on the Delta Launch Vehicle and robotics for the International Space Station. He serves on the Lowell Observatory Advisory Board.

(28052) Lowellputnam = 1998 KP₁

Discovery: 1998-05-18 / LONEOS / Anderson Mesa / 699

W. Lowell Putnam IV (b. 1954) is the 5th Sole Trustee of Lowell Observatory. He was involved in early-generation television traffic systems, holding senior software development and business analyst positions in the broadcast industry. Lowell Observatory's reputation as a research and educational organization has grown significantly under his leadership.

(28053) Kimberlyputnam = 1998 KE₄

Discovery: 1998-05-22 / LONEOS / Anderson Mesa / 699

Kimberly Putnam (b. 1969) is the wife and partner of W. Lowell Putnam IV, Sole Trustee of Lowell Observatory. She manages many of the aspects of the Lowell Observatory Advisory Board's annual meeting. She applies her skills from her career in the travel industry to benefit the observatory's international travel to foreign observatories with supporters.

(28116) Drewbarringer = 1998 SP₅₆

Discovery: 1998-09-17 / LONEOS / Anderson Mesa / 699

Drew Barringer (b. 1946) is the grandson of Daniel Barringer, who provided evidence that Meteor Crater was formed by the impact of a large meteorite. Drew has been a longtime active member of Lowell Observatory's Advisory Board and serves on the Executive Committee.

(28118) Vaux = 1998 SR₅₇

Discovery: 1998-09-17 / LONEOS / Anderson Mesa / 699

Henry Vaux (b. 1940) published a photographic book in 2018, *Legacy in Time*, which took 20 years to complete. He also served for ten years as Associate Vice President at the University of California System. Henry has served on Lowell Observatory's Advisory Board for many years, giving generously of his time and talent to further Lowell's mission.

(28147) Colbath = 1998 TD₃₂

Discovery: 1998-10-11 / LONEOS / Anderson Mesa / 699

G. Kent Colbath (b. 1953) and his late wife Jill have been longtime supporters of Lowell Observatory for the past twenty years. Kent has had a varied career in geology, and was Chair of Earth Science at Cerritos Community College. Kent is a die-hard science enthusiast and he serves on Lowell Observatory's Advisory Board.

(28149) Arieldaniel = 1998 TX₃₄

Discovery: 1998-10-14 / LONEOS / Anderson Mesa / 699

Ariel Daniel (b. 1998) is a Senior Educator at Lowell Observatory. Her enthusiasm for astronomy and teaching is reflected in rave reviews from guests and staff alike. Ariel inspires the next generation of scientists by being personable and educational in both onsite and online programs.

(28436) Davesawyer = 1999 XJ₂₃₀

Discovery: 1999-12-07 / LONEOS / Anderson Mesa / 699

David Sawyer (b. 1959) has been the Technical Project Manager at Lowell Observatory since 2017, managing projects such as the Astronomy Discovery Center and the Yale EXPRES (EXtreme PREcision Spectrometer) at the Lowell Discovery Telescope. He earned an MS in Astronomy in 1993 and a BS in Electrical Engineering in 1981.

(28582) Haileysborn = 2000 EB₁₀₆

Discovery: 2000-03-11 / LONEOS / Anderson Mesa / 699

Hailey Osborn (b. 1998) is a Senior Educator at Lowell Observatory. She engages the public during live history tours and astronomy talks, entertaining them with her vast knowledge of black holes and her fantastical constellation stories. She also captivates audiences in far-reaching digital events.

(28590) Kyledilger = 2000 EX₁₂₆

Discovery: 2000-03-11 / LONEOS / Anderson Mesa / 699

Kyle Dilger (b. 1986) shares his time and talent with Lowell Observatory, serving on the Observatory's Advisory Board and its Marketing Committee. Kyle became interested in Lowell Observatory after one visit. He quickly became involved, providing occasional meals for telescope operators and taking drone images of the Observatory's Mars Hill campus.

(28591) Racheldilger = 2000 EC₁₃₀

Discovery: 2000-03-11 / LONEOS / Anderson Mesa / 699

Rachel Dilger (b. 1985) dreamed of joining a space program since childhood. Rachel's involvement with Lowell Observatory's programs has been a way to make that dream come true. Rachel serves on Lowell Observatory's Advisory Board and has volunteered with the Observatory's marketing and technical efforts.

(28593) Ryanhamilton = 2000 EZ₁₃₃

Discovery: 2000-03-11 / LONEOS / Anderson Mesa / 699

Ryan Hamilton (b. 1983) is Lowell Observatory's Head of Instrumentation. He leads the maintenance, operation, and development efforts for myriad astronomical instruments across several sites, from the 4.3-m Lowell Discovery Telescope to the new Peggy and Eric Johnson 1-m Telescope, and many more.

(29549) Sandrasbaragli = 1998 BB₄₄

Discovery: 1998-01-25 / M. Tombelli, A. Boattini / Cima Ekar / 098

Alessandra Sbaragli (b. 1974) obtained a degree in landscape architecture from the University of Florence. She is the daughter-in-law of the first discoverer.

(33054) Eduardorossi = 1997 UU₁₄

Discovery: 1997-10-26 / M. Tombelli, A. Boattini / San Marcello / 104

Eduardo Rossi (b. 1985) obtained a degree in Physics from the University of Pisa. He studied ocean acoustics, then volcanology and the dispersion of volcanic ash into the atmosphere. He is also a member of the Gruppo Astrofili Montelupo.

(34433) Kavars = 2000 SE₃₇

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

Michelle Kavars mentored a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students. She teaches at the Lewis Central Middle School, Council Bluffs, Iowa.

(34441) Thomaslee = 2000 SZ₆₀

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

Thomas Lee mentored a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students. He teaches at the Altamont Elementary School, Mountain House, California.

(34443) Markmadland = 2000 ST₇₀

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

Mark Madland mentored a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students. He teaches at the Leslie Middle School, Salem, Oregon.

(34444) Kellmcallister = 2000 SW₇₃

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

Kelly McAllister mentored a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students. She teaches at the Riverside Virtual School, Riverside, California.

(34446) Karenmccoy = 2000 SN₇₄

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

Karen McCoy mentored a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students. She teaches at the Meyzeek Middle School, Louisville, Kentucky.

(34447) Mesidor = 2000 SU₇₄

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

Philisha Mesidor mentored a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students. She teaches at the Saint Rose of Lima Catholic School, Miami Shores, Florida.

(34450) Zashamickey = 2000 SZ₈₀

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

Zasha Mickey mentored a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students. She teaches at the Lake Highland Preparatory School, Orlando, Florida.

(34451) Rebohearn = 2000 SY₈₂

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

Rebecca O'Hearn mentored a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students. She teaches at the Andover School of Montessori, Andover, Massachusetts.

(34452) Jenniparker = 2000 SS₈₃

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

Jennifer Parker mentored a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students. She teaches at the Woodside Elementary School, Woodside, California.

(34453) Elisapeters = 2000 SG₈₄

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

Elisa Peters mentored a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students. She teaches at the Terman Middle School, Palo Alto, California.

(34456) Lydiareznik = 2000 SG₈₈

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

Lydia Reznik mentored a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students. She teaches at the BASIS Scottsdale, Scottsdale, Arizona.

(34457) Leahroberts = 2000 SW₈₈

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

Leah Roberts mentored a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students. She teaches at the Westminster Schools, Atlanta, Georgia.

(34462) Stoffregen = 2000 SD₉₅

Discovery: 2000-09-23 / LINEAR / Socorro / 704

Nate Stoffregen mentored a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students. He teaches at the Quest Academy, Palatine, Illinois.

(34465) Swaminathan = 2000 SD₁₀₂

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

Raji Swaminathan mentored a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students. She teaches at the Harker School, San Jose, California.

(34589) Sarahadamo = 2000 TO₂

Discovery: 2000-10-01 / LINEAR / Socorro / 704

Sarah Elizabeth Adamo (b. 2000) was awarded first place in the 2018 Intel International Science and Engineering Fair for her animal sciences project. She attended the Smithtown High School West, Smithtown, New York, U.S.A.

(34591) Saadhahmed = 2000 TB₁₅

Discovery: 2000-10-01 / LINEAR / Socorro / 704

Saadh Ahmed (b. 2000) was awarded second place in the 2018 Intel International Science and Engineering Fair for his translational medical science project. He attended the Northview High School, Johns Creek, Georgia, U.S.A.

(34592) Amirtharaj = 2000 TM₁₇

Discovery: 2000-10-01 / LINEAR / Socorro / 704

Divya Amirtharaj (b. 2001) was awarded first place in the 2018 Intel International Science and Engineering Fair for her systems software project. She attended the Westview High School, Portland, Oregon, U.S.A.

(34594) Rohanarora = 2000 TP₂₄

Discovery: 2000-10-02 / LINEAR / Socorro / 704

Rohan Arora (b. 2000) was awarded second place in the 2018 Intel International Science and Engineering Fair for his embedded systems team project. He attended the American High School, Fremont, California, U.S.A.

(34599) Burzinbalsara = 2000 TV₃₉

Discovery: 2000-10-01 / LINEAR / Socorro / 704

Burzin Poras Balsara (b. 1999) was awarded best of category and first place in the 2018 Intel International Science and Engineering Fair for his embedded systems team project. He attended the Plano Senior High School, Plano, Texas, U.S.A.

(34616) Andrewbennett = 2000 UO₃₈

Discovery: 2000-10-24 / LINEAR / Socorro / 704

Andrew Bennett (b. 2000) was awarded second place in the 2018 Intel International Science and Engineering Fair for his engineering mechanics project. He attended the Bountiful High School, Bountiful, Utah, U.S.A.

(34619) Swagat = 2000 UX₅₃

Discovery: 2000-10-24 / LINEAR / Socorro / 704

Swagat Bhattacharyya (b. 2000) was awarded second place in the 2018 Intel International Science and Engineering Fair for his embedded systems project. He attended the Morgantown High School, Morgantown, West Virginia, U.S.A.

(34620) Edwinbodoni = 2000 UX₅₄

Discovery: 2000-10-24 / LINEAR / Socorro / 704

Edwin Christopher Bodoni (b. 2000) was awarded best of category and first place in the 2018 Intel International Science and Engineering Fair for his translational medical science project. He attended the Cherry Creek High School, Greenwood Village, Colorado, U.S.A.

(34625) Bollimpalli = 2000 UT₆₈

Discovery: 2000-10-25 / LINEAR / Socorro / 704

Meghana Chowdary Bollimpalli (b. 2001) was awarded best of category and first place in the 2018 Intel ISEF for her chemistry project. She also received the Intel Foundation Young Scientist Award. She attended the Little Rock Central High School, Little Rock, Arkansas, U.S.A.

(34628) Samaboyea = 2000 UA₉₉

Discovery: 2000-10-25 / LINEAR / Socorro / 704

Samantha Boyea (b. 2000) was awarded second place in the 2018 Intel International Science and Engineering Fair for her robotics and intelligent machines project. She attended the Greenwich Junior-Senior High School, Greenwich, New York, U.S.A.

(34632) Sarahbroas = 2000 UY₁₀₉

Discovery: 2000-10-31 / LINEAR / Socorro / 704

Sarah Mae Broas (b. 2001) was awarded second place in the 2018 Intel International Science and Engineering Fair for her biomedical engineering project. She attended the Putnam Valley High School, Putnam Valley, New York, U.S.A.

(34633) Megancantwell = 2000 VN₁₁

Discovery: 2000-11-01 / LINEAR / Socorro / 704

Megan Cantwell (b. 2001) was awarded second place in the 2018 Intel International Science and Engineering Fair for her behavioral and social sciences project. She attended the Veritas Academy, Austin, Texas, U.S.A.

(34634) Anjalichadha = 2000 VQ₁₇

Discovery: 2000-11-01 / LINEAR / Socorro / 704

Anjali R. Chadha (b. 2002) was awarded second place in the 2018 Intel International Science and Engineering Fair for her environmental engineering project. She attended the duPont Manual High School, Louisville, Kentucky, U.S.A.

(34644) Yatinchandar = 2000 WX₁₃

Discovery: 2000-11-20 / LINEAR / Socorro / 704

Yatin J. Chandar (b. 2001) was awarded second place in the 2018 Intel International Science and Engineering Fair for his environmental engineering project. He attended the Davidson Academy of Nevada, Reno, Nevada, U.S.A.

(34646) Niaclements = 2000 WT₉₅

Discovery: 2000-11-21 / LINEAR / Socorro / 704

Nia Myfanwy Clements (b. 2000) was awarded first place in the 2018 Intel International Science and Engineering Fair for her biomedical and health sciences project. She attended the Keystone School, San Antonio, Texas, U.S.A.

(34647) Ankushdhawan = 2000 WV₉₇

Discovery: 2000-11-21 / LINEAR / Socorro / 704

Ankush Kundan Dhawan (b. 2001) was awarded second place in the 2018 Intel International Science and Engineering Fair for his environmental engineering project. He attended the Signature School, Evansville, Indiana, U.S.A.

(36039) Joandunham = 1999 PA₄

Discovery: 1999-08-13 / J. Broughton / Reedy Creek / 428

Joan Dunham (b. 1944) has a PhD in aerospace engineering and is the Secretary/Treasurer of the International Occultation Timing Association. She has been active in the field since 1966 when she began observing and analyzing occultations at the US Naval Observatory. This work continued during subsequent employment with NASA contractors and into retirement.

(37313) Paolocampaner = 2001 QC

Discovery: 2001-08-16 / M. Tombelli, A. Boattini / San Marcello / 104

Paolo Campaner (1952–2022) was an Italian amateur astronomer who discovered 17 supernovae and one nova. His main interest was in astrophotography.

(42611) Manchu = 1998 EU₁

Discovery: 1998-03-02 / ODAS / Caussols / 910

Manchu (b. 1956, real name Philippe Bouchet) is a French space artist. As a science and science-fiction illustrator, he inspired generations of readers and budding scientists in France, enabling them to visualize exotic worlds or phenomena. His paintings are both spectacular and realistic.

(85515) Annakukharskaya = 1997 UT₂₄

Discovery: 1997-10-26 / U. Munari, M. Tombelli / Cima Ekar / 098

Anna Kukharskaya (b. 1981) obtained a degree in veterinary medicine from RUDN University in Moscow in 2004. She is the daughter-in-law of the second discoverer.

(155217) Radnóti = 2005 VH₅

*Discovery: 2005-11-09 / K. Sárneczky * / Piszkestető / 461*

Miklós Radnóti (1909–1944), born Miklós Glatter, is regarded as one of the greatest Hungarian poets of the 20th century. His poetry mingles avant-garde and expressionist themes with a new classical style. He was the Hungarian translator of works by La Fontaine and Apollinaire.

(156580) Madách = 2002 EF₁₅₇

*Discovery: 2002-03-03 / K. Sárneczky * / Piszkestető / 461*

Imre Madách (1823–1864) was a Hungarian poet, writer, lawyer, and corresponding member of the Hungarian Academy of Sciences. One of the outstanding figures of Hungarian literature and dramatic poetry, his major work was *Az ember tragédiája* (*The Tragedy of Man*).

(197192) Kazinczy = 2003 VK

*Discovery: 2003-11-05 / K. Sárneczky, S. Mészáros * / Piszkestető / 461*

Ferenc Kazinczy (1759–1831) was an author, poet and translator. He was a leader in the regeneration of the Hungarian language and literature at the turn of the 19th century. Today his name is connected with the extensive Language Reform, when thousands of words were coined or revived.

(210070) Robertcapa = 2006 QK₁₁

*Discovery: 2006-08-19 / K. Sárneczky, Z. Kuli * / Piszkestető / 461*

Robert Capa (1913–1954), born Endre Ernő Friedmann, was a Hungarian-American war photographer and photojournalist, who covered five wars directly from the battlefield. His most famous photograph is “The Falling Soldier”, taken in 1936 during the Spanish Civil War.

(299897) Skipitis = 2006 SE₃₆₉

*Discovery: 2006-09-23 / K. Černis * / Moletai / 152*

Raimundas Skipitis (b. 1959) is one of the most skilled Lithuanian amateur astronomers. An expert in photometric instrumentations, he built optical telescopes and photoelectric photometers. Also he built an observatory in Glitiskes (35 km to the north of Vilnius), where he carries out astronomical observations.

(304826) Kini = 2007 RM₁₉

*Discovery: 2007-09-05 / Q.-Z. Ye, H.-C. Lin * / Lulin / D35*

Kini R. Manjunatha (b. 1956) is a biologist at the National University of Singapore. He is well known for his research on snake venoms. Name suggested by S. X. Han.

(321802) Malaspina = 2010 PA₇₁

Discovery: 1977-09-15 / E. Colombini / Palomar / 260

Alessandro Malaspina (1754–1810) was an Italian navigator. He explored the Pacific Ocean during 1789–1794 in the service of Spain, visiting Chile, Alaska, the Philippines, New Zealand and Australia. He was unjustly sentenced to eight years in prison upon his return and could not publish the report of his journey, which was mostly forgotten for a century.

(370068) Chrisholmberg = 2001 FB₂₁₆

Discovery: 2001-03-21 / SKADS / Kitt Peak / 695

Chris Holmberg (b. 1951) was a project coordinator at the Planetary Science Institute for twenty years. Her organizational skills and cheerful demeanor made her an asset to numerous endeavors. Her relationship with PSI began when she was its first travel agent, delivering paper tickets personally.

(423645) Quénisset = 2005 YM₄

Discovery: 2005-12-22 / J.-C. Merlin / Nogales / 926

Ferdinand Jules Quénisset (1872–1951) was a French astronomer who discovered the comets C/1893 N1 and C/1911 S2. He worked as an observer, specializing in astrophotography, at Camille Flammarion's observatory in Juvisy-sur-Orge.

(450297) Csákánybéla = 2004 PN₄₂

*Discovery: 2004-08-08 / K. Sárneczky, T. Szalai * / Piszkestető / 461*

Béla Csákány (1932–2022) was a Hungarian mathematician, a professor of the University of Szeged, and rector (1985–1990) of its predecessor, József Attila University (JATE). He was the first president of the foundation that established the Observatory of Szeged, the original host of the JATE Asteroid Survey.

(455207) Kellyyoder = 2001 FU₂₀₁

Discovery: 2001-03-21 / SKADS / Kitt Peak / 695

Kelly Yoder (b. 1963) worked as the sponsored projects manager at the Planetary Science Institute for over twenty years. She guided proposals through the regulatory labyrinth of funding agency requirements and her patient assistance to scientists played a vital role for successful projects.

(499526) Romhányi = 2010 RO₁₁

*Discovery: 2010-09-02 / K. Sárneczky, Z. Kuli * / Piszkestető / 461*

József Romhányi (1921–1983) was a Hungarian writer, poet, and translator. He is best known for the scripts of various cartoon series and translations for dubbed versions of American cartoons, such as the rhyming translation of *The Flintstones*. He translated several musicals into Hungarian, the best known being *Cats*.

(526997) Hohai = 2007 RP₁₁₉

Discovery: 2007-09-11 / PMO NEO Survey Program / XuYi / D29

Hohai University, located in Nanjing City, is a top university dedicated to research of and education of water resources in China. The university has cultivated talent that has contributed tremendously to global water resource development and governance.

(529729) Xida = 2010 LX₄₄

Discovery: 2008-03-02 / PMO NEO Survey Program / XuYi / D29

Located in Xi'an, Xida (Northwest University of China) is famous for its geology, archaeology and traditional Chinese cultural studies. It has three campuses, 25 departments and 25 000 students, with 88 undergraduate majors and 24 first-level disciplines authorized for doctoral degrees.

(548263) Alexandertutov = 2010 FD₁₀

Discovery: 2010-03-19 / T. Kryachko, B. Satovski / Zelenchukskaya Stn / 114

Alexander Nikolaevich Tutov (1966–2018) was a Russian doctor and fantasy writer. His books include *Black Angel*, *White Angel*, *Misha and the Witch* and *Cossack Epic*.

(552420) Flodubeyjames = 2013 YG₈₂

Discovery: 2013-12-28 / N. Falla / Mayhill / H06

Florence Amy Jayne Dubey-James (b. 2012) is the granddaughter of the discoverer.

(554466) Pablomotos = 2012 TN₃₂₁

Discovery: 2007-12-18 / OAM / Costitx / 620

Pablo Motos Burgos (b. 1965) is a Spanish television presenter, radio host, comedian and businessman. Since 2006 he has been the host and producer of the talk show El Hormiguero.

(565780) Kopaszimre = 2017 FQ₁₂₂

*Discovery: 2011-10-04 / K. Sárnecky, T. Szalai * / Pizskéstető / 461*

Imre Kopasz (1938–2017) was a teacher of physics and mathematics. He was a primary-school principal in Pirtó, a small village in Hungary, where he lived with his family. His younger daughter, Katalin, is the wife of the second discoverer.

(574506) Sopronilíceum = 2010 RF₉₇

*Discovery: 2004-08-08 / K. Sárnecky, T. Szalai * / Pizskéstető / 461*

Lutheran Lyceum in Sopron (founded in 1557) is one of the oldest grammar schools in Hungary. It is the alma mater of the second discoverer and of many prominent people in science, the church, education, the arts, and public life.

(591763) Orishut' = 2014 ES₁₂

Discovery: 2014-02-27 / L. Elenin / Mayhill-ISON / H15

Named for a Russian village on the Yushut basin, near the city of Yoshkar-Ola, on the occasion of the village's 200th anniversary.

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 R1 (PANSTARRS)		<i>MPEC 2022-R124</i>
P/2022 Q2 (ATLAS)		<i>MPEC 2022-R123</i>
C/2022 P3 (ZTF)		<i>MPEC 2022-R132</i>
P/2022 P2 (ZTF)		<i>MPEC 2022-Q201</i>
C/2022 P1 (NEOWISE)		<i>MPEC 2022-Q3</i>
C/2022 O2 (PANSTARRS)		<i>MPEC 2022-Q25</i>
C/2022 O1 (ATLAS)		<i>MPEC 2022-Q2</i>
C/2022 N2 (PANSTARRS)		<i>MPEC 2022-N48</i>
C/2022 N1 (Attard-Maury)	*	<i>MPEC 2022-N47</i>
P/2022 M1 (LONEOS-PANSTARRS)		2022-09-03
C/2022 L4 (PANSTARRS)		<i>MPEC 2022-M104</i>
P/2022 L3 (ATLAS)		<i>MPEC 2022-M97</i>
C/2022 L2 (ATLAS)		<i>MPEC 2022-M18</i>
C/2022 L1 (Catalina)		<i>MPEC 2022-L97</i>
C/2022 K1 (Leonard)		<i>MPEC 2022-L53</i>
C/2022 J2 (Bok)		<i>MPEC 2022-M98</i>
C/2022 J1 (Maury-Attard)	*	<i>MPEC 2022-J88</i>
C/2022 H1 (PANSTARRS)		<i>MPEC 2022-J76</i>
C/2022 F2 (NEOWISE)		<i>MPEC 2022-G83</i>
C/2022 F1 (ATLAS)		<i>MPEC 2022-G82</i>
C/2022 E3 (ZTF)		<i>MPEC 2022-F13</i>
C/2022 E2 (ATLAS)		<i>MPEC 2022-E227</i>
P/2022 E1 = P/2005 N11 = P/2015 PO ₂₁₀ (PANSTARRS-Christensen)		<i>MPEC 2022-H49</i>
C/2022 D2 (Kowalski)		<i>MPEC 2022-E46</i>
P/2022 D1 (PANSTARRS)		<i>MPEC 2022-E07</i>

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P/2022 C3 (PANSTARRS)		MPEC 2022-D02
P/2022 C2 (PANSTARRS)		MPEC 2022-D01
P/2022 C1 (PANSTARRS)		MPEC 2022-C74
C/2022 B4 (Bok)		MPEC 2022-E133
P/2022 B1 (Wierzchoś)	[Wierzchos]	MPEC 2022-C2
C/2022 A3 (Lemmon-ATLAS)		MPEC 2022-E107
C/2022 A2 (PANSTARRS)		MPEC 2022-C1
C/2022 A1 (Sárneczky)	[Sarneczky]	MPEC 2022-A59
C/2021 Y1 (ATLAS)		MPEC 2022-A50
C/2021 X1 (Maury-Attard)	*	MPEC 2022-J33
P/2021 V3 = P/2011 UE ₂₁₅ (Lemmon-PANSTARRS)		2022-05-25
P/2021 R9 (Sheppard-Tholen)		MPEC 2022-O19
C/2021 QM ₄₅ (PANSTARRS)		MPEC 2022-N12
C/2021 F1 (Lemmon-PANSTARRS)		MPEC 2022-C15
P/2020 WJ5 (Lemmon)		MPEC 2022-H121
P/2020 B4 (Sheppard)		MPEC 2022-D06
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 ₁ = P/2010 LK ₃₆ = P/2016 MD = P/2022 C4 (WISE-PANSTARRS)		MPEC 2022-M81

Recent Numberings

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 ₂₁₀ (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 ₉₆ = P/2021 W1 (LINEAR)		MPC 136564
438P/2005 T2 = P/2012 V5 = P/2020 OV ₆₂ (Christensen)		MPC 136564
437P/2021 V3 = P/2011 UE ₂₁₅ (Lemmon-PANSTARRS)		MPC 136564
436P/2007 R4 = P/2021 U2 (Garradd)		MPC 135244
435P/2021 T3 = P/2015 K6 (PANSTARRS)		MPC 135244
434P/2012 TK ₈ = P/2021 S2 (Tenagra)		MPC 135244
433P = (248370)	Dual status	MPC 133899
432P/2021 N4 = P/2016 U2 (PANSTARRS)		MPC 133899

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 23440 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.

