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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> 76677	17	<i>For</i> opf <i>read</i> of [(242648) citation]
<i>Bull.</i> 2, #3, 5	9	<i>For</i> 1968 <i>read</i> 1978 [(7732) citation]
<i>Bull.</i> 2, #3, 5	9 to 10	<i>For</i> (b. 1947) <i>read</i> (b. 1946) [(7732) citation]
<i>Bull.</i> 2, #6, 8	-16	<i>For</i> (PANSTARRS) <i>read</i> (Lemmon-PANSTARRS) [437P name]
<i>Bull.</i> 2, #6, 9	6	<i>For</i> 23206 <i>read</i> 23205 [Number of named minor planets]

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.

(5322) Ghaffari = 1986 QB₁

Discovery: 1986-08-26 / H. Debehogne / La Silla / 809

Abolghassem Ghaffari (1907–2013) was a Persian-American mathematician and physicist. Ghaffari created optimization techniques for Earth-Moon trajectory problems, novel analytical techniques for change maneuvers in interplanetary trajectories, and studied the effects of solar radiation pressure and general relativity on Earth-orbiting satellites.

(5336) Kley = 1991 JE₁

Discovery: 1991-05-07 / N. Kawasato / Uenohara / 376

Willy Kley (1958–2021) was a German astrophysicist and a Professor of Computational Astrophysics at the University of Tübingen, Germany. He was an expert on hydrodynamical simulations in the context of the formation of planets and planetary systems with a special focus on planet-disk interaction and planet migration.

(6027) Waratah = 1993 SS₂

Discovery: 1993-09-23 / G. J. Garradd / Siding Spring / 413

The New South Wales waratah, *Telopea speciosissima*, is a large shrub endemic to New South Wales, in Australia, and it is the floral emblem of that state.

(12349) Akebonozou = 1993 GO

Discovery: 1993-04-14 / A. Sugie / Dynic / 402

Akebonozou (*Stegodon aurorae*) is an extinct species of Japanese elephant which lived in the Early Pleistocene (2.5-1 million years ago). An almost complete skeleton of Akebonozou was found in Taga-cho, Shiga Prefecture. The Taga specimen has been designated as a natural monument of Japan.

(18501) Luria = 1996 OB

Discovery: 1996-07-16 / Farra d'Isonzo / Farra d'Isonzo / 595

Salvador Edward Luria (1912–1991) was an Italian-American microbiologist. He won the Nobel Prize in Physiology or Medicine in 1969 for his discoveries concerning the replication mechanism and the genetic structure of viruses. He also showed that bacterial resistance to viruses is genetically inherited.

(18551) Bovet = 1997 AQ₁₇

Discovery: 1997-01-13 / Farra d'Isonzo / Farra d'Isonzo / 595

Daniel Bovet (1907–1992) was a Swiss-born Italian pharmacologist known for his discovery of antihistamines. In 1957 he won the Nobel Prize in Medicine for his discoveries relating to synthetic compounds that inhibit the action of certain body substances and especially their action on the vascular system and the skeletal muscles.

(19390) Deledda = 1998 DK₁₄

Discovery: 1998-02-24 / Farra d'Isonzo / Farra d'Isonzo / 595

Grazia Deledda (1871–1936) was an Italian writer who received the Nobel Prize for Literature in 1926 for her idealistically-inspired writings which, with clarity, picture the life on Sardinia, her native island.

(20148) Carducci = 1996 TR

Discovery: 1996-10-04 / Farra d'Isonzo / Farra d'Isonzo / 595

Giosuè Carducci (1835–1907) was an Italian poet, writer, literary critic and teacher, who in 1906 was the first Italian to receive the Nobel Prize for Literature.

(21236) Moneta = 1995 WE₃

Discovery: 1995-11-20 / Farra d'Isonzo / Farra d'Isonzo / 595

Ernesto Teodoro Moneta (1833–1918) was an Italian journalist, revolutionary soldier and later a pacifist. He won the 1907 Nobel Peace Prize “for his work in the press and in peace meetings, both public and private, for an understanding between France and Italy.” His motto ‘In varietate unitas!’ later inspired the motto of the European Union.

(22022) Gould = 1999 XR₁₁₀

Discovery: 1999-12-05 / CSS / Catalina / 703

Laurence McKinley Gould (1896–1995) was an American geologist, educator and polar explorer. Gould was chief scientist and second-in-command of the 1928-30 Byrd Antarctic expedition. Leading a 1 500-mile sledge journey to the Transantarctic Mountains, he discovered sandstone outcrops, helping to link Antarctica with Gondwana.

(24850) Biagiomarin = 1995 XA

Discovery: 1995-12-01 / Farra d'Isonzo / Farra d'Isonzo / 595

Biagio Marin (1891–1985) was an Italian poet and writer, born in territories then belonging to the Austro-Hungarian Empire. He is best known for his poems in the Venetian language.

(25589) Danicamckellar = 1999 XY₂₃₁

Discovery: 1999-12-09 / CSS / Catalina / 703

Danica McKellar (b. 1975) is an American actress, mathematician, and author. Widely known for her acting, McKellar has also published research works in mathematics in addition to several popular books on math. She has been a strong advocate for math education, particularly encouraging young girls and woman to pursue math.

(30585) Firenze = 2001 PE₁₄

Discovery: 2001-08-14 / A. Boattini, M. Tombelli / San Marcello / 104

Firenze (Florence) is an Italian city and the intellectual and artistic center known as the Cradle of the Renaissance. The city is a treasure chest of paintings, sculptures and terracotta-domed buildings, a tribute to artists such as Da Vinci, Botticelli and Michelangelo, from a glorious golden age that lasted three centuries.

(31091) Bettiventicinque = 1997 BE₉

Discovery: 1997-01-30 / U. Munari, M. Tombelli / Cima Ekar / 098

Elisabetta Venticinque (b. 1973) has been an amateur astronomer at the Gruppo Astrofili Montelupo since 2020. She observes minor planets, especially NEOs.

(34364) Katequinn = 2000 RZ₃₀

Discovery: 2000-09-01 / LINEAR / Socorro / 704

Kate Elise Quinn (b. 2006) was a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students, for her microbiology and biochemistry project. She attended the Saint Francis of Assisi Catholic School, Louisville, Kentucky.

(34365) Laurareilly = 2000 RS₃₄

Discovery: 2000-09-01 / LINEAR / Socorro / 704

Laura Maria Reilly (b. 2003) was a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students, for her medicine and health sciences project. She attended the Saint Matthew Catholic School, San Antonio, Texas.

(34367) Kennedyrogers = 2000 RQ₄₀

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

Kennedy Sophia Rogers (b. 2005) was a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students, for her physics project. She attended the Chapel Hill Middle School, Douglasville, Georgia.

(34372) Bentleysiems = 2000 RS₄₄

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

Bentley Louis Siems (b. 2005) was a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students, for his microbiology and biochemistry project. He attended the Delta Woods Middle School, Lee's Summit, Missouri.

(34379) Slettnes = 2000 RU₅₅

Discovery: 2000-09-05 / LINEAR / Socorro / 704

Espen Slettnes (b. 2005) was a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students, for his mathematics project. He is homeschooled in Castro Valley, California.

(34380) Pratikvangel = 2000 RV₅₅

Discovery: 2000-09-05 / LINEAR / Socorro / 704

Pratik Sriram Vangel (b. 2003) was a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students, for his energy and sustainability project. He attended the Stoller Middle School, Portland, Oregon.

(34387) Venkatesh = 2000 RX₆₂

Discovery: 2000-09-02 / LINEAR / Socorro / 704

Akshaya Venkatesh (b. 2004) was a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students, for her behavioral and social sciences project. She attended the BASIS Scottsdale, Scottsdale, Arizona.

(34388) Wylonis = 2000 RE₆₃

Discovery: 2000-09-02 / LINEAR / Socorro / 704

Leo Edward Wylonis (b. 2004) was a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students, for his electrical and mechanical engineering project. He attended the Tredyffrin-Easttown Middle School, Berwyn, Pennsylvania.

(34391) Garyzhan = 2000 RX₆₇

Discovery: 2000-09-02 / LINEAR / Socorro / 704

Gary Zhan (b. 2004) was a finalist in the 2018 Broadcom MASTERS, a math and science competition for middle-school students, for his microbiology and biochemistry project. He attended the Bear River Charter School, Logan, Utah.

(37785) Nougaro = 1997 SL₁₅

Discovery: 1997-09-27 / ODAS / Caussols / 910

Claude Nougaro (1929–2004) was a French songwriter, singer and poet. Born in Toulouse, he spoke and sang with a southwestern French accent. Fond of jazz music, he wrote French lyrics and put American jazz standards and Brazilian themes into his songs.

(38431) Jeffbeck = 1999 RR₂₃₂

Discovery: 1999-09-08 / CSS / Catalina / 703

Geoffrey Arnold (Jeff) Beck (b. 1944) is an English guitarist and musician. Since the 1960s he has been widely recognized for his innovative sound and for his collaborations across a broad range of musical genres including rock, jazz fusion, blues, and instrumental. Beck is considered one of the most influential lead guitarists in history.

(40198) Azarkhalatbari = 1998 SA₁

Discovery: 1998-09-16 / ODAS / Caussols / 910

Azar Khalatbari (1961–2022) was a French-Iranian science writer who obtained a PhD in geophysics and a Master's degree in the history of science. She specialized in physics, astrophysics, earth sciences and mathematics. Her articles and books helped make these disciplines readily accessible to wide audiences.

(40956) Ericamsel = 1999 TZ₂₄₁

Discovery: 1999-10-04 / CSS / Catalina / 703

Eric Amsel (b. 1956) is a Canadian-American psychologist and professor. Through teaching, research, and practice he has mentored countless historically-disenfranchised students to help them become successful academically and professionally.

(53640) Marché = 2000 DT₁₄

Discovery: 2000-02-26 / CSS / Catalina / 703

Jordan Marché (b. 1955) is an astronomy educator in planetaria and astronomy colleges and universities from Pennsylvania to Nevada. He has written on American planetaria, astronomers and other astronomical topics. Jordan has also been an amateur telescope maker publishing articles on optical designs and tests.

(58702) Tizianabitossi = 1998 BX₄₃

Discovery: 1998-01-25 / M. Tombelli, G. Forti / Cima Ekar / 098

Tiziana Bitossi (b. 1970) has been an amateur astronomer at the Gruppo Astrofili Montelupo since 2017. She observes minor planets, especially NEOs.

(60532) Henson = 2000 EX₅₀

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

Mathew Alexander Henson (1866–1955) was an American explorer who explored the Arctic alongside Robert Peary on several expeditions, including in 1909 when they may have been the first to reach the geographic North Pole. Among many accolades he was the first African American made a lifetime member of The Explorers Club.

(66999) Cudnik = 1999 XX₁₁₅

Discovery: 1999-12-05 / CSS / Catalina / 703

Brian Cudnik (b. 1969) is an astronomer, author, and educator. In 1999 he visually observed the first scientifically confirmed lunar meteoroid impact. He has coordinated the Lunar Meteoritic Impact Search section of the Association of Lunar and Planetary Observers and served as Chief Editor of the *Encyclopedia of Lunar Science*.

(67019) Hlohovec = 1999 XF₁₃₇

Discovery: 1999-12-13 / L. Kornoš, J. Tóth / Modra / 118

Hlohovec is a town in southwestern Slovakia, known for its beautiful castle, large pharmaceutical factory, and its huge impact on Slovak public astronomical activities since 1954. This minor planet was named on the occasion of the 50th anniversary of the 1972 founding of Hlohovec's Regional Public Observatory and Planetarium.

(69585) Albertorangei = 1998 DN₃₅

Discovery: 1998-02-27 / A. Boattini, M. Tombelli / Cima Ekar / 098

Alberto Raugei (b. 1963) has been an amateur astronomer at the Gruppo Astrofili Montelupo since 1995. He is the business consultant of the group.

(75996) Piekiel = 2000 DS₁₄

Discovery: 2000-02-26 / CSS / Catalina / 703

Robert "Bob" Piekiel (b. 1961) is an astronomical educator. He is the author of several books on the history, manufacture and maintenance of Schmidt-Cassegrain telescopes, .

(76000) Juliuserving = 2000 DO₁₅

Discovery: 2000-02-26 / CSS / Catalina / 703

Julius Winfield Erving II (b. 1950) known as Dr. J is revered as one of the greatest and most influential basketball players of all time. His playing style combined athleticism, grace and power and he led several teams to championship seasons including two with the ABA New York Nets and one with the NBA Philadelphia 76ers.

(85368) Elisabettacioni = 1996 CQ₇

Discovery: 1996-02-14 / U. Munari, M. Tombelli / Cima Ekar / 098

Elisabetta Cioni (b. 1962) has been an amateur astronomer at the Gruppo Astrofili Montelupo since 2004. She is also a ceramic decorator.

(100053) Danstinebring = 1992 AR₂

Discovery: 1992-01-02 / Spacewatch / Kitt Peak / 691

Dan Stinebring (b. 1953) obtained his Ph.D. from Cornell in 1982, and is an Oberlin College professor emeritus. He is a senior researcher in the NANOGrav (North American Nanohertz Observatory for Gravitational waves) consortium, which uses high-precision timing of pulsars to study ultra-low-frequency gravitational waves.

(115492) Watonga = 2003 UR₂₂

Discovery: 2003-10-23 / L. Ball / Emerald Lane / 843

Watonga is a city (population about 5000) in Blaine County, Oklahoma, 70 miles northwest of Oklahoma City. Watonga is the county seat of Blaine County and the birthplace of the discoverer.

(119195) Margaretgreer = 2001 QF₁₁₁

Discovery: 2001-08-25 / L. Ball / Emerald Lane / 843

Margaret Hatcher Greer (b. 1951) is a retired elementary school teacher from Decatur, Alabama. She is a lover of science and astronomy, and she taught at Walter Jackson Elementary and Ben Davis Elementary.

(145078) Katherinejohnson = 2005 GO₃₉

Discovery: 2005-04-04 / CSS / Catalina / 703

Katherine Johnson (1918–2020) was a trailblazing African-American mathematician and scientist. She is renowned for her work at NASA on orbital mechanics calculations supporting the success of several early crewed spaceflight programs including Mercury and Apollo. She is the recipient of numerous awards and accolades.

(145174) Irenejoliotcurie = 2005 JC₅

Discovery: 2005-05-04 / CSS / Catalina / 703

Irène Joliot-Curie (1897–1956) was a French chemist and physicist. With her husband Frédéric Joliot-Curie, she shared the 1935 Nobel Prize in Chemistry for the discovery of induced radioactivity.

(160000) Lemmon = 2006 GN₁₈

Discovery: 2006-04-02 / Mt. Lemmon Survey / Mount Lemmon / G96

Sara Plummer Lemmon (1836–1923) was an American botanist. She is credited with discovery of many new species of plants, and the subgenus *Plummera*. Mt Lemmon, the highest peak in the Santa Catalina Mountains in Arizona is named for her.

(161835) Barbmclintock = 2006 XY₅₀

Discovery: 2006-12-13 / Mt. Lemmon Survey / Mount Lemmon / G96

Barbara McClintock (1902–1992) was an American scientist and cytogeneticist. She was awarded the 1983 Nobel Prize in Physiology or Medicine for the discovery of genetic transposition. McClintock was the third woman elected to the National Academy of Sciences, and the first elected president of the Genetics Society of America.

(175203) Kingston = 2005 FS₄

Discovery: 2005-03-31 / Jarnac / Vail-Jarnac / G92

Harold R. Kingston (1885–1963) was the founder of the London Center of the Royal Astronomical Society of Canada. Kingston became the national president of the RASC in 1930. This naming is in celebration of the 100th anniversary of the London Center's founding in 1922.

(177667) Schieven = 2005 EV₃₇

Discovery: 2005-03-03 / Jarnac / Vail-Jarnac / G92

Gerald Henry Moriarty Schieven (b. 1958) is a Canadian astronomer who obtained his PhD at the University of Massachusetts, Amherst. Gerald was President of the RASC London Centre in 1980. He has worked at JPL, the James Clerk Maxwell Telescope and the Herzberg Millimetre Astronomy Group.

(177770) Saulanwu = 2005 JE₁₆₃

Discovery: 2005-05-08 / Mt. Lemmon Survey / Mount Lemmon / G96

Sau Lan Wu (b. 1940s) is a Chinese-American particle physicist. She is renowned for her integral leadership and participation in the discoveries of the charm quark, the gluon, and the Higgs boson. Wu is the Enrico Fermi Distinguished Professor of Physics at the University of Wisconsin, Madison, and an experimentalist at CERN.

(177771) Bretz = 2005 JA₁₆₅

Discovery: 2005-05-10 / Mt. Lemmon Survey / Mount Lemmon / G96

Harley “J Harlen” Bretz (1882–1981) was an American geologist. His fieldwork of the Channeled Scablands on the Columbia River Plateau led him to propose that the landscape resulted from cataclysmic flooding. His theory has been vindicated by decades of evidence and the discovery of the ancient glacial Lake Missoula as the flood source.

(191910) Elizawilliams = 2005 EO₂₅₈

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

Elizabeth Langdon Williams (1879–1981) was an American astronomer. In 1903 she was one of the earliest women to graduate from MIT, earning a degree in physics. Her mathematical computations supported the early 20th-century search for Planet X from Lowell Observatory in Flagstaff, Arizona.

(198989) Valerithomas = 2005 VT₁₀₁

Discovery: 2005-11-02 / Mt. Lemmon Survey / Mount Lemmon / G96

Valerie L. Thomas (b. 1943) is an American scientist and inventor. She is renowned for her work with several NASA projects including managing the development of the Landsat image processing systems. She is the inventor of the illusion transmitter and has promoted STEM opportunities for African Americans and women.

(235852) Theogeuens = 2005 AX₂₇

*Discovery: 2005-01-14 / E. W. Elst * / Uccle / 012*

Theophile (Theo) Geuens (b. 1944) was a friend of the discoverer. He is a lecturer in human sciences, a psychotherapist, a coach and a mediator.

(264119) Georgeorton = 2009 TT₇

Discovery: 2009-10-13 / A. Lowe / Mayhill / H06

George Washington Orton (1873–1958) was a middle- and long-distance runner. In 1900, he became the first Canadian to win a medal at an Olympic Games.

(306386) Carlofavetti = 1994 CF

Discovery: 1994-02-06 / Farra d'Isonzo / Farra d'Isonzo / 595

Carlo Favetti (1819–1892) was an Italian politician, journalist, writer and poet who wrote in the Friulian language.

(321045) Kretinga = 2008 QY₃₂

*Discovery: 2008-08-31 / K. Černis, E. Cernis * / Moletai / 152*

Kretinga is a town in the northwest region of Lithuania with 21 000 inhabitants. First mentioned in 1253, the town is located 12 km east of the popular Baltic Sea resort town of Palanga, and about 25 km north of Lithuania's principal seaport, Klaipėda.

(336811) Baratoux = 2011 DL₂₁

Discovery: 2001-08-23 / Pic du Midi / Pic du Midi / 586

David Baratoux (b. 1973) is a French planetary scientist at IRD (French National Research Institute for Sustainable Development) who has contributed to the understanding of the evolution of Mars. He promotes astronomy in developing countries and contributes regularly to public outreach in Earth and space sciences.

(340579) Losse = 2006 PY

*Discovery: 2006-08-06 / C. Rinner * / Dax / 958*

Florent Losse (b. 1960) was the founder of the St Pardon de Conques observatory (code I93) and the author of the Reduc software for binaries. He is the editor of the review *Étoiles Doubles* and correspondent with the USNO for integrating measures into the Washington Double Star Catalogue. Losse is also an active French observer of NEOs.

(341590) Emmawatson = 2007 UM₉₀

*Discovery: 2007-10-30 / Catalina Sky Survey * / Mount Lemmon / G96*

Emma Watson (b. 1990) is an English actress and activist. She has gained recognition for her roles in both blockbuster and independent films, as well as her women's rights work.

(442721) Kerouac = 2012 VB₃₁

Discovery: 2009-10-18 / Mt. Lemmon Survey / Mount Lemmon / G96

Jean-Louis Lebris de Kérouac, known as Jack Kerouac (1922–1969) was an American writer and poet. His novels, including *On the Road* and *The Subterraneans*, established a new writing style of spontaneous prose. Kerouac is considered a pioneer of the 1950s and 1960s Beat Generation.

(453256) Gucevičius = 2008 SP₁₃₉

*Discovery: 2008-09-23 / K. Černis, J. Zdanavičius * / Moletai / 152*

Laurynas Gucevičius (1753–1798) was an architect from the Grand Duchy of Lithuania. Most of his designs were built in Lithuania, including the Vilnius Cathedral and town hall, as well as the Verkiai Palace, which was the summer residence for the bishops of Vilnius.

(546471) Szipál = 2010 VQ₁₇₆*Discovery: 2010-11-01 / K. Sárneczky, Z. Kuli * / Piskésetető / 461*

Márton Szipál (1924–2016) was a Hungarian-American photographer, most known for his portrait photographs of movie stars and celebrities. In his later years he worked for Hungarian newspapers and taught at several photography schools.

(546515) Almásy = 2010 VY₂₁₆*Discovery: 2010-10-31 / K. Sárneczky, Z. Kuli * / Piskésetető / 461*

Paul Almásy (1906–2003) was a Hungarian-born French photographer and a pioneer of photojournalism. For more than six decades he traveled the world and took about 120 000 photographs, creating a detailed picture archive that is a unique document of 20th century history.

(547398) Turánpál = 2010 RX₄₀*Discovery: 2010-09-03 / K. Sárneczky, Z. Kuli * / Piskésetető / 461*

Pál Turán (1910–1976) was a Hungarian mathematician who achieved significant results in the field of number theory, graph theory and classical analysis. His best-known result is Turán's theorem in graph theory.

(549185) Herczeg = 2011 EG₄₄*Discovery: 2011-03-06 / K. Sárneczky, J. Kelemen * / Piskésetető / 461*

Tibor Herczeg (1926–2014) was a Hungarian astronomer and a mathematics and physics teacher. From 1949 to 1956 he was an assistant astronomer at the Konkoly Observatory. The main areas of his research were stellar evolution and the observation of variable stars.

(549961) Földes István = 2011 WQ₃₁*Discovery: 2011-11-23 / K. Sárneczky, A. Pál * / Piskésetető / 461*

István Földes (1908–1977) was a Hungarian astronomer and mathematician. From 1949 to 1974, he was the head of the Department of Astronomy at the Eötvös Loránd University. His main field of research was celestial mechanics and he gave popular lectures on astronomy on the radio.

(551091) Flór Ferenc = 2012 VZ₉₈*Discovery: 2012-10-22 / K. Sárneczky, G. Hodosán * / Piskésetető / 461*

Ferenc Flór (1809–1871) was a doctor and medical writer, as well as a corresponding member of the Hungarian Academy of Sciences. He was one of the founders of public health in Hungary and he called for the construction of a clean water supply network in Budapest.

(551601) Antonijové = 2013 GN₃₄*Discovery: 2013-04-07 / J. M. Bosch, R. M. Olivera / SM Montmagastrell / B74*

Antoni Jové Reina (b. 1978) is an electromechanic expert. He built the Santa Maria de Montmagastrell Remote Observatory in 2017 according to the discoverer's design. Jové later built four more remote observatories, using his own electronics design and self-written software.

(552681) Sósvera = 2010 JY₂₁₀

*Discovery: 2012-10-21 / K. Sárneckzy, G. Hodosán * / Pizskéstető / 461*

Vera T. Sós (b. 1930) is a Hungarian mathematician, university professor and a member of the Hungarian Academy of Sciences. Her research interests include number theory, combinatorics and mathematical analysis. Her famous result is the Erdős-Rényi-Sós friendship theorem in graph theory.

(555227) Claraisabella = 2013 TH₉₀

Discovery: 2013-09-04 / F. Hormuth / Calar Alto / 493

Clara Isabella Hormuth (2022 April 6) is the name of the stillborn daughter of the discoverer.

(562008) Samtackeff = 2015 XW₆₂

Discovery: 2004-10-09 / Spacewatch / Kitt Peak / 691

Samantha "Sam" Tackeff (b. 1986) is a North American entrepreneur and food connoisseur. Her career spans working at a bookstore dedicated to food and cookbooks, to founding a company enabling veterans, seniors, and people of all backgrounds to access wellness programs and yoga classes from home. She is an active Wellesley College alumnae volunteer.

(562979) Barabásmiklós = 2016 BB₂₉

*Discovery: 2010-09-03 / K. Sárneckzy, Z. Kuli * / Pizskéstető / 461*

Miklós Barabás (1810–1898) was a painter, graphic artist, photographer, and a corresponding member of the Hungarian Academy of Sciences. He was one of the most outstanding masters of Hungarian Biedermeier painting, and one of the earliest Hungarian photographers.

(592244) Daukantas = 2014 QF₄₃₉

*Discovery: 2013-05-06 / K. Černis, I. Eglitis * / Baldone / 069*

Simonas Daukantas (1793–1864) was a Lithuanian historian, writer, and ethnographer. One of the pioneers of the Lithuanian National Revival, he is credited as the author of the first book on the history of Lithuania written in the Lithuanian language.

(599755) Alcarràs = 2010 VL₂₁

Discovery: 2010-11-04 / J. M. Bosch / SM Montmagastrell / B74

Alcarràs is a village in Catalonia (Spain) with ten thousand inhabitants from sixty nations, who work mainly in agriculture and livestock. Astronomy has been taught at the secondary school since the opening of the school's astronomical observatory.

(604001) Jagiellonica = 2015 KC₇

*Discovery: 2014-02-24 / M. Kusiak, M. Żołnowski * / Tincana / D03*

Jagiellonica is the Latin name of the Jagiellonian University, which was founded in 1364 by Casimir III the Great. The university is one of the leading research institutions in Poland. One of its most famous alumni was Nicolaus Copernicus, whose *de Revolutionibus* is kept in the Jagiellonian Library.

(604827) Rietavas = 2015 TT₄₂₉

*Discovery: 2015-10-11 / K. Černis, I. Eglitis * / Baldone / 691*

Rietavas is a Lithuanian city with 4 000 inhabitants on the Jura River. It is the capital of Rietavas municipality. The city is famous for building the first power station to produce electricity in Lithuania in 1892. The first telephone line in Lithuania was also built there.

(612163) Theloves = 2000 LG₁₀

Discovery: 2000-06-03 / P. B. Stetson, D. D. Balam / Mauna Kea / 568

Thomas (b. 1959) and Clare (b. 1963) Lowe are dear friends of the second discoverer. Thomas is a professional astronomer and currently works at the University of Hawaii, Institute for Astronomy, Advanced Technology Research Center in Pukalani, Hawaii, as an observer for the Pan-STARRS project. Clare is a noted artist and graphic designer.

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 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/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>
P/2022 C3 (PANSTARRS)		<i>MPEC 2022-D02</i>
P/2022 C2 (PANSTARRS)		<i>MPEC 2022-D01</i>
P/2022 C1 (PANSTARRS)		<i>MPEC 2022-C74</i>
C/2022 B4 (Bok)		<i>MPEC 2022-E133</i>
P/2022 B1 (Wierzczoś)	[Wierzcchos]	<i>MPEC 2022-C2</i>
C/2022 A3 (Lemmon-ATLAS)		<i>MPEC 2022-E107</i>
C/2022 A2 (PANSTARRS)		<i>MPEC 2022-C1</i>
C/2022 A1 (Sárneczky)	[Sarneczky]	<i>MPEC 2022-A59</i>
C/2021 Y1 (ATLAS)		<i>MPEC 2022-A50</i>
C/2021 X1 (Maury-Attard)	*	<i>MPEC 2022-J33</i>
P/2021 V3 = P/2011 UE ₂₁₅ (Lemmon-PANSTARRS)		Announcement pending
P/2021 V2 (Fuls)		<i>MPEC 2021-V169</i>
C/2021 V1 (Rankin)		<i>MPEC 2021-V167</i>
C/2021 U5 (Catalina)		<i>MPEC 2021-V199</i>
C/2021 U4 (Leonard)		<i>MPEC 2021-V22</i>
P/2021 U3 (Attard-Maury)	*	<i>MPEC 2021-V21</i>
C/2021 T4 (Lemmon)		<i>MPEC 2021-U187</i>
P/2021 U1 (Wierzczoś)	[Wierzcchos]	<i>MPEC 2021-U43</i>

P/2021 T3 = P/2015 K6 (PANSTARRS)		MPEC 2021-T184
C/2021 T2 (Fuls)		MPEC 2021-T169
C/2021 T1 (Lemmon)		MPEC 2021-T168
C/2021 S4 (Tsuchinshan)		MPEC 2021-T167
C/2021 S3 (PANSTARRS)		MPEC 2021-T166
C/2021 S1 (ATLAS)		MPEC 2021-T21
P/2021 R8 (Sheppard)		MPEC 2021-X149
C/2021 R7 (PANSTARRS)		MPEC 2021-T162
C/2021 R6 (Gröller)	[Groeller]	MPEC 2021-S113
P/2021 R5 (Rankin)		MPEC 2021-R257
P/2021 R4 (Wierzchoś)	[Wierzchos]	MPEC 2021-R256
P/2021 R3 (PANSTARRS)		MPEC 2021-R255
C/2021 R2 (PANSTARRS)		MPEC 2021-R151
C/2021 Q6 (PANSTARRS)		MPEC 2021-R167
P/2021 HS (PANSTARRS)		MPEC 2021-S44
C/2021 G2 (ATLAS)		MPEC 2021-T206
C/2021 F1 (Lemmon-PANSTARRS)		MPEC 2022-C15
P/2020 WJ5 (Lemmon)		MPEC 2022-H121
P/2020 B4 (Sheppard)		MPEC 2022-D06

Recent Numberings

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)	<i>Dual status</i>	MPC 133899
432P/2021 N4 = P/2016 U2 (PANSTARRS)		MPC 133899
431P/2015 Q1 = P/2021 P5 (Scotti)		MPC 133899
430P/2011 A2 = P/2021 Q2 (Scotti)		MPC 133899
429P/2008 QP ₂₀ = P/2021 M1 (LINEAR-Hill)		MPC 133899
428P/2014 W12 = P/2021 Q1 (Gibbs)		MPC 133899
427P/2017 S5 = P/2021 L6 (ATLAS)		MPC 133899
426P/2019 A7 = P/2021 K4 (PANSTARRS)		MPC 133899
425P/2005 W3 = P/2021 O2 (Kowalski)		MPC 132232
424P/2012 S2 = P/2021 L5 (La Sagra)		MPC 132232
423P/2008 CL ₉₄ = P/2021 A12 (Lemmon)		MPC 132232
422P/2006 S4 = P/2021 L1 (Christensen)		MPC 132232

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 23279 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.

