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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> 30801	43	<i>For</i> Hajdu <i>read</i> Hajdú [(7316) name]
<i>MPC</i> 30801	46	<i>For</i> Etienne Hajdu <i>read</i> Étienne Hajdú [(7316) citation]
<i>MPC</i> 30801	-48	<i>For</i> Hajdu's <i>read</i> Hajdú's [(7316) citation]
<i>MPC</i> 41941	- 8	<i>For</i> Stafan <i>read</i> Stefan [(16856) citation]
<i>MPC</i> 63873	40	<i>For</i> 2008 In Intel <i>read</i> 2008 Intel [(24422) citation]
<i>MPC</i> 81933	33	<i>For</i> Roadruner <i>read</i> Roadrunner [(16421) citation]
<i>MPC</i> 87142	- 6	<i>For</i> Francois de Malherbe <i>read</i> François de Malherbe [(260724) citation]
<i>MPC</i> 105284	- 8	<i>For</i> La Boetic <i>read</i> La Boétie [(315218) name]
<i>MPC</i> 105284	- 6	<i>For</i> Etienne de La Boetic <i>read</i> Étienne de La Boétie [(315218) citation]
<i>MPC</i> 127257	-20	<i>For</i> Taiwan Science Monthly <i>read</i> Taiwan Science Monthly [(498797) citation]
<i>Bull.</i> 2, #6	3 to 6	Replace citation for (433512) with: Holly Holman (b. 1973) is a biomedical engineer, researcher and educator at the University of Utah. She has worked on vaccine development and dormant DNA viruses in neurons. She discovered a new type of cell in the vestibular system called a clinocyte.

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.

(5844) Chlupáč = 1986 UQ

Discovery: 1986-10-28 / Z. Vávrová / Kleť / 046

Ivo Chlupáč (1931–2002) was a Czech geologist, stratigrapher and paleontologist. He was responsible for demarcating the international stratotype of the Silurian-Devonian boundary in the Klouk nature monument near Suchomasty. An excellent teacher at Charles University in Prague, he influenced at least two generations of geologists.

(10271) Dymond = 1980 TV₂

Discovery: 1980-10-14 / H. Debehogne, L. Houziaux / Haute Provence / 511

Garrett (Garry) Dymond (b. 1956) is an amateur astronomer with RASC St. John's Centre in Newfoundland who won an RASC Service Award in 1994. He earned a Bachelor of Environmental Studies degree from the University of Waterloo, served on Canada's Meteorite and Impacts Advisory Committee and worked as an educator at the Johnson Geo Centre in St. John's.

(10284) Damienlemay = 1981 QY₂

Discovery: 1981-08-24 / H. Debehogne / La Silla / 809

Damien Lemay (b. 1943) earned an undergraduate degree in physics from Laval University in Quebec, Canada, and worked as a telecommunications engineer. He founded a local astronomy club in Rimouski and served a term as RASC national President. He won the RASC Chant Medal, mainly for a photographic atlas of the northern sky, made with a 0.14-m Schmidt camera.

(10333) Portnoff = 1991 NZ₆

Discovery: 1991-07-12 / H. Debehogne / La Silla / 809

Morrie Portnoff (b. 1957) was President (2014–2020) of the RASC Montreal Centre. He led the revitalization of the Centre's activities and resources with the renewal of its partnership with John Abbott College. This included a relocation of the club library, the refitting of the Bellevue Observatory, and the RASC Montreal Centre Centennial celebrations in 2018.

(10486) Teron = 1985 CS₂

Discovery: 1985-02-15 / H. Debehogne / La Silla / 809

Chris Teron (b. 1957) is a Canadian architect and amateur astronomer. He is RASC Ottawa Centre's long-serving Secretary and A/V support person, and active in public outreach. Chris was a director and facility designer for Ottawa Centre's 2001 millennium SmartScope project, and offered key technical support to the 2006 and 2017 RASC General Assemblies.

(10491) Chou = 1986 QS₁

Discovery: 1986-08-27 / H. Debehogne / La Silla / 809

B. Ralph Chou (b. 1951) is Professor of optometry at the University of Waterloo and an authority on solar-eclipse eye safety. In over 50 years as an RASC volunteer, he served three terms as President of the RASC Toronto Centre, and as National Treasurer, Editor of the National Newsletter, Assistant Editor of the Journal of the RASC and a Member of National Council.

(10492) Mizzi = 1986 QZ₁

Discovery: 1986-08-28 / H. Debehogne / La Silla / 809

Edward Michael Mizzi (b. 1953) is a retired teacher and amateur astronomer who served as President of RASC Hamilton Centre, administered the club's equipment loan program and developed an introductory course called NOVA. Mizzi has also contributed to public outreach in Ontario, including neighborhood events, a children's camp, libraries, and school classes.

(10493) Pulliah = 1986 QH₂

Discovery: 1986-08-28 / H. Debehogne / La Silla / 809

Linda (née Robins) Pulliah (1956–2022) worked as a nurse and was an outreach volunteer with the RASC Sudbury Centre. She created a sense of wonder under starry skies in Northern Ontario's parks for all ages and excelled in explaining complex science with analogies and engaging activities. She inspired colleagues locally and nationally to promote astronomy.

(10494) Jenniferwest = 1986 QO₃

Discovery: 1986-08-29 / H. Debehogne / La Silla / 809

Jennifer West (b. 1979) earned her PhD in Astronomy at the University of Manitoba in Winnipeg and joined the Dunlap Institute at the University of Toronto in 2016. She received the Dark Sky Defender Award from the International Dark Sky Association in 2011 and the RASC's Ken Chilton Prize in 2010 for her contributions to astronomy education and outreach.

(10499) Sarty = 1986 RN₅

Discovery: 1986-09-07 / H. Debehogne / La Silla / 809

Gordon Eric Sarty (b. 1960) is an astronomer who has lectured in physics, mathematics, and statistics at the University of Saskatchewan. He developed Magnetic Resonance Imaging for use by astronauts in space, studied high-mass x-ray binaries with the Microvariability and Oscillations of Stars (MOST) space telescope, and contributed to RASC's Saskatoon Centre.

(10508) Haughey = 1988 RM₄

Discovery: 1988-09-01 / H. Debehogne / La Silla / 809

Ronald Haughey (b. 1962) is a Canadian amateur astronomer and member of the RASC Regina Centre. He has supported the Regina Centre for decades and is a big believer in public education. Ron has spent countless hours running the Kalium Observatory in Regina, Saskatchewan, providing thousands of people their first glimpses of the universe.

(10513) Mackie = 1989 TJ₁₄

Discovery: 1989-10-02 / H. Debehogne / La Silla / 809

Guy Thomas Mackie (b. 1955) is an amateur astronomer in British Columbia, Canada, who served three years as President of RASC's Okanagan Centre. Mackie also started Okanagan Centre's telescope rental program, became Director of the club observatory in 2009, worked on the organizing committee of the Mount Kobau Star Party and won the RASC Service Award in 2010.

(10521) Jeremyhansen = 1990 RW₇

Discovery: 1990-09-14 / H. Debehogne / La Silla / 809

Jeremy Roger Hansen (b. 1976) became a Canadian astronaut in 2009. Hansen earned his pilot's license at age 17 and studied at the Royal Military College in Kingston, Ontario. He did research on wide-field-of-view satellite tracking. Astronaut training has taken him to the high Arctic to study geology, and to the ocean floor, living in the Aquarius habitat.

(10703) Saint-Jacques = 1981 QU₃

Discovery: 1981-08-23 / H. Debehogne / La Silla / 809

David Saint-Jacques (b. 1970) is a Canadian physician and astronaut who studied at École Polytechnique de Montréal, Cambridge University and Laval University. He worked as a medical doctor in the Arctic, helped develop adaptive optics and interferometry systems, and is a qualified pilot and scuba diver. Saint-Jacques was part of Expedition 58/59 on the ISS.

(10704) Sidey = 1981 RQ₁

Discovery: 1981-09-01 / H. Debehogne / La Silla / 809

Jennifer (Jenni) Anne MacKinnon Sidey-Gibbons (b. 1988) studied at McGill University and earned her PhD from the University of Cambridge, where she continued on as assistant professor and lecturer in engineering. Her research related to combustion and the complex processes involved. In 2017, she was selected as an astronaut by the Canadian Space Agency.

(34490) Danielkang = 2000 SO₁₃₇

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

Daniel Zion Kang (b. 2002) was awarded best of category and first place in the 2018 Intel ISEF for his materials science project. He also received the European Union Contest for Young Scientists Award. He attended the John F. Kennedy High School, Tamuning, Guam.

(34491) Mohammedsuhail = 2000 SB₁₃₈

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

Mohammed Suhail Chinya Salimpasha (b. 2001) was awarded second place in the 2018 Intel International Science and Engineering Fair for his translational medical science team project. He attended the St. Aloysius Pre-University College, Mangalore, Karnataka, India.

(34492) Swasthikpadma = 2000 SP₁₃₉

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

Swasthik Padma (b. 2001) was awarded second place in the 2018 Intel International Science and Engineering Fair for his translational medical science team project. He attended the Vivekananda Pre-University College, Dakshina Kannada, Karnataka, India.

(34494) Shikarpur = 2000 SE₁₄₄

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

Pranav Nadig Shikarpur (b. 2001) was awarded second place in the 2018 Intel International Science and Engineering Fair for his earth and environmental sciences team project. He attended the Bangalore International Academy, Bangalore, Karnataka, India.

(34496) Viswanath = 2000 SF₁₄₇

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

Siddharth Viswanath (b. 2001) was awarded second place in the 2018 Intel International Science and Engineering Fair for his earth and environmental sciences team project. He attended the Bangalore International Academy, Bangalore, Karnataka, India.

(34497) Fionnferreira = 2000 SJ₁₄₇

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

Fionn Miguel Eckardt Ferreira (b. 2000) was awarded second place in the 2018 Intel International Science and Engineering Fair for his chemistry project. He attended the Schull Community College, Schull, Cork, Ireland.

(34498) Aaronhannon = 2000 SF₁₄₉

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

Aaron Hannon (b. 1998) was awarded first place in the 2018 Intel International Science and Engineering Fair for his embedded systems project. He attended the St. Muredach's College, Connacht, Mayo, Ireland.

(34499) Yusukesakai = 2000 SL₁₅₀

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

Yusuke Sakai (b. 2000) was awarded second place in the 2018 Intel International Science and Engineering Fair for his animal sciences team project. He attended the Gifu Senior High School, Gifu, Japan.

(34503) Tsuchida = 2000 SJ₁₅₇

Discovery: 2000-09-26 / LINEAR / Socorro / 704

Kota Tsuchida (b. 2000) was awarded second place in the 2018 Intel International Science and Engineering Fair for his animal sciences team project. He attended the Gifu Senior High School, Gifu, Japan.

(34504) Tsuzuku = 2000 SJ₁₅₈

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

Yuka Tsuzuku (b. 2000) was awarded second place in the 2018 Intel International Science and Engineering Fair for her animal sciences team project. She attended the Gifu Senior High School, Gifu, Japan.

(34509) Kuwehan = 2000 SH₁₇₅

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

Atiya Kadide Kuwehan (b. 2002) was awarded second place in the 2018 Intel International Science and Engineering Fair for her biomedical and health sciences team project. She attended the Shree Cutchi Leva Patel Samaj School, Nairobi, Kenya.

(34511) Aleenasaji = 2000 SK₁₇₅

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

Aleena Sara Saji (b. 2002) was awarded second place in the 2018 Intel International Science and Engineering Fair for her biomedical and health sciences team project. She attended the Shree Cutchi Leva Patel Samaj School, Nairobi, Kenya.

(34522) Cadores = 2000 SH₁₉₂

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

Keith Russel Pelagio Cadores (b. 1999) was awarded second place in the 2018 Intel International Science and Engineering Fair for his energy team project. He attended the Camarines Sur National High School, Naga City, Camarines Sur, Philippines.

(34523) Manzanero = 2000 SU₁₉₄

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

Joscel Kent Padayao Manzanero (b. 1999) was awarded second place in the 2018 Intel International Science and Engineering Fair for his energy team project. He attended the Camarines Sur National High School, Naga City, Camarines Sur, Philippines.

(34524) Eugenerivera = 2000 SZ₁₉₅

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

Eugene Rualizo Rivera (b. 1999) was awarded second place in the 2018 Intel International Science and Engineering Fair for his energy team project. He attended the Camarines Sur National High School, Naga City, Camarines Sur, Philippines.

(34525) Paszkowski = 2000 SQ₂₀₅

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

Michal Paszkowski (b. 2002) was awarded second place in the 2018 Intel International Science and Engineering Fair for his systems software project. He attended the Publiczne Gimnazjum nr 7 w Belchatowie, Belchatow, Poland.

(34527) Fransanmartins = 2000 SQ₂₀₈

Discovery: 2000-09-25 / LINEAR / Socorro / 704

Francisca Santos Martins (b. 1999) was awarded second place in the 2018 Intel International Science and Engineering Fair for her microbiology team project. She attended the Colegio Luso-Frances, Porto, Portugal.

(34534) Nogueira = 2000 SL₂₁₆

Discovery: 2000-09-26 / LINEAR / Socorro / 704

Eduardo Teixeira Rocha Nogueira (b. 1999) was awarded second place in the 2018 Intel International Science and Engineering Fair for his microbiology team project. He attended the Colegio Luso-Frances, Porto, Portugal.

(34539) Gabrielsilva = 2000 SL₂₂₃

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

Gabriel Silva (b. 1999) was awarded second place in the 2018 Intel International Science and Engineering Fair for his microbiology team project. He attended the Colegio Luso-Frances, Porto, Portugal.

(34545) Chirita = 2000 SB₂₃₄

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

Sandu Chirita (b. 2000) was awarded second place in the 2018 Intel International Science and Engineering Fair for his robotics and intelligent machines project. He attended the B. Z. Herzl ORT Technological Lyceum, Chisinau, Moldova.

(34551) Andrianova = 2000 SJ₂₄₂

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

Anastasiia Andrianova (b. 2000) was awarded second place in the 2018 Intel International Science and Engineering Fair for her chemistry team project. She attended the Moscow South-Eastern School Named After V. I. Chuikov, Moscow, Russia.

(34552) Belousova = 2000 SV₂₄₂

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

Irina Konstantinovna Belousova (b. 2000) was awarded second place in the 2018 Intel International Science and Engineering Fair for her chemistry project. She attended the Moscow South-Eastern School Named After V. I. Chuikov, Moscow, Russia.

(34555) Yuliamaslova = 2000 SE₂₆₂

Discovery: 2000-09-25 / LINEAR / Socorro / 704

Yulia Maslova (b. 2000) was awarded second place in the 2018 Intel International Science and Engineering Fair for her chemistry team project. She attended the Moscow South-Eastern School Named After V. I. Chuikov, Moscow, Russia.

(34558) Annasavelyeva = 2000 SM₂₇₀

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

Anna Savelyeva (b. 2001) was awarded second place in the 2018 Intel International Science and Engineering Fair for her math project. She attended the Moscow State School 57, Moscow, Russia.

(34559) Aldossary = 2000 SN₂₇₂

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

Faisal Adel Aldossary (b. 2000) was awarded second place in the 2018 Intel International Science and Engineering Fair for his plant sciences project. He attended the Dhahran Ahliyya School, Dammam, Saudi Arabia.

(34567) Weidekoo = 2000 SR₂₉₇

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

Wei De Koo (b. 2000) was awarded second place in the 2018 Intel International Science and Engineering Fair for his materials science project. He attended the National Junior College, Singapore, Singapore.

(34569) Bryanlim = 2000 ST₃₀₆

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

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

(34570) Shawnlim = 2000 SZ₃₀₇

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

Shawn Hai Leong Lim (b. 2000) was awarded first place in the 2018 Intel International Science and Engineering Fair for his chemistry team project. He attended the Hwa Chong Institution, Singapore, Singapore.

(42733) Andrébaranne = 1998 RH₂

Discovery: 1998-09-15 / ODAS / Caussols / 910

André Baranne (1931–2021) was a French astronomer who founded the Optical Laboratory of the Marseille Observatory. He was the father of modern radial-velocity spectrographs, which allowed the detection of the first exoplanet by Michel Mayor and Didier Queloz in 1995 at the Haute-Provence Observatory.

(44041) Françoiselaunay = 1998 ER₁

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

Françoise Launay (b. 1944) was a research engineer at Meudon Observatory where she was the technical head for a very-high-resolution VUV spectrograph. She is involved in the preservation of historical instruments, undertook research on Cassini's Moon map and Laurent Cassegrain, and wrote a biography of Jules Janssen.

(45594) Wendyrichard = 2000 CJ₁₁₁

Discovery: 2000-02-06 / CSS / Catalina / 703

Wendy Richard (1943–2009) was an English actress who played Shirley Brahm in the BBC comedy *Are You Being Served* (1972–1985) and Pauline Fowler in the soap-opera *EastEnders* (1985–2006). She was winner of the Lifetime Achievement Award in the British Soap Awards in 2007.

(50724) Elizabethbrown = 2000 EK₁₄₅

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

Elizabeth Brown (1830–1899) was an English solar observer who traveled to see eclipses around the world. She was one of the prime movers in the formation of the British Astronomical Association, and was the first director of its Solar Section.

(50725) Margarethuggins = 2000 EH₁₄₆

Discovery: 2000-03-04 / CSS / Catalina / 703

Margaret Huggins (1848–1915) was an Irish-English astronomer who was a pioneer of photographic spectrography. She co-wrote the *Atlas of Representative Stellar Spectra* (1899) with her husband, William.

(50726) Anniemaunder = 2000 EH₁₄₇

Discovery: 2000-03-04 / CSS / Catalina / 703

Annie Scott Dill Maunder (née Russell) (1868–1947) was an Irish-English astronomer and solar observer at the Greenwich Observatory. She was the developer, with her husband E. Walter, of the butterfly diagram of sunspot latitudes during solar cycles.

(52602) Floriansignoret = 1997 TY₅

Discovery: 1997-10-02 / ODAS / Caussols / 910

Florian Signoret (b. 1983) is a French computer scientist and amateur astronomer. He is interested in astrophotography and scientific topics like asteroid discoveries and occultations, exoplanet transits and photometry.

(53839) Schölkopf = 2000 EY₁₉₇

Discovery: 2000-03-01 / CSS / Catalina / 703

Bernhard Schölkopf (b. 1968) is the founder and director of the Max Planck Institute for Intelligent Systems and a professor at ETH Zurich. He pioneered machine learning and modeling methods with applications to astronomy, co-discovering a number of exoplanets and developing methods for parameter inference in fields including gravitational wave analysis.

(54983) Simone = 2001 QE

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

Simone Tombelli (b. 1966) is a member of Gruppo Astrofili Montelupo. He designed and installed the electrical system and power supply of the Beppe Forti observatory in Montelupo Fiorentino, Italy.

(59045) Gérardlemaitre = 1998 TR₂

Discovery: 1998-10-13 / ODAS / Caussols / 910

Gérard R. Lemaître (b. 1943) is a French astronomer noted for pioneering work on methods for active optics. In addition to patents and papers, he authored the book *Astronomical Optics and Elasticity Theory* and participated in the optical concept of the giant Schmidt telescope LAMOST.

(114611) Valeribocci = 2003 DE₉

Discovery: 2003-02-24 / CINEOS / Campo Imperatore / 599

Valerio Bocci (b. 1966) is an Italian senior technologist at INFN Roma. He has been involved in the KLOE experiment of LNF, in the Atlas and LHCb (and upgrade) experiments at CERN. He was one of the first in the scientific literature to propose and demonstrate the possibility to use Field Programmable Gate Array in radiation environment.

(114739) Tripodi = 2003 HR₁₂

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

Antonella Tripodi (b. 1986) is an Italian amateur astronomer and a popular science communicator in Calabria. She is director of teaching for schools at Lilio Astronomical Park. She is responsible for the observation and follow-up of asteroids and comets, and she studies γ -ray bursts with Italian research institutions.

(177157) Skoffelza = 2003 SF₃₃

*Discovery: 2003-09-18 / K. Sárnecky, B. Sipőcz * / Piskésető / 461*

Elza Skoff (1905–1983) was a Hungarian radio announcer at Radio Budapest. She later worked as a translator and proofreader. Elza's passion was languages; she knew at least seven.

(191551) Glücklich = 2003 VK₁

*Discovery: 2003-11-06 / K. Sárnecky, B. Sipőcz * / Piskésető / 461*

Vilma Glücklich (1872–1927) was a teacher, one of the leaders of the feminist movement, and the first woman to attend university in Hungary. She worked tirelessly for child protection and fought for women's suffrage.

(211977) Springob = 2005 AX₂₆

Discovery: 2005-01-13 / Spacewatch / Kitt Peak / 691

Christopher M. Springob (1977–2022) was an American extragalactic astronomer and data scientist. His contributions include cosmological applications of HI spectral line surveys, as well as research on two large peculiar-velocity galaxy surveys: the 6dF Galaxy Survey and 2MASS Tully-Fisher Survey.

(251619) Ravenna = 2009 LS₂

Discovery: 2009-06-13 / F. Tozzi / Skyline / B40

Ravenna is an Italian city located in the northern Emilia-Romagna region. It has been the capital of the Western Roman Empire and of the Ostrogothic Kingdom. It is known for its well-preserved late-Roman and Byzantine architecture. Several buildings have extraordinary ancient mosaics and a few of them are included in the UNESCO World Heritage list.

(251642) Leonardodicaprio = 2010 LC₉₇

Discovery: 2010-06-13 / WISE / WISE / C51

Leonardo DiCaprio (b. 1974) is an Academy Award-winning American actor and film producer, as well as an outspoken advocate for environmental issues. He has starred in numerous films and has won many awards, in addition to narrating and producing many environmental documentaries.

(331605) Guidogryseels = 2001 XB₅

Discovery: 2001-12-10 / T. Pauwels / Uccle / 012

Guido Gryseels (b. 1952) is a Belgian agricultural economist who was Director-General of the Royal Museum for Central Africa in Tervuren (Belgium) from 2001 to 2022. He had an enormous impact on the transformation/renewal of this museum and on the Belgian policy regarding colonial history.

(554317) Rorywoodhams = 2012 TO₇₁

Discovery: 2012-10-09 / N. Falla / Mayhill / H06

Rory Alexander Woodhams (b. 2022) is the great-grandson of the discoverer.

(554709) Magdastavinschi = 2012 XW₉₂

Discovery: 2007-09-17 / Y. Ivashchenko / Andrushivka / A50

Magdalena Iolanda Stavinschi (b. 1942) is a Romanian astronomer and mathematician, and honorary director (1990–2005) of the Astronomical Institute of the Romanian Academy. She is the author of numerous scientific papers, books on the history of astronomy, and popular lectures on the importance of dialogue between scientists and representatives of religions.

(614641) Gregbredthauer = 2010 GV₂₁

Discovery: 2010-04-01 / WISE / WISE / C51

Greg Bredthauer (b. 1975) is an American electrical engineer who specializes in development of CCD image sensors, controllers, and camera systems.

(614664) Martinroth = 2010 LC₁₇

Discovery: 2010-06-02 / WISE / WISE / C51

Martin Roth (b. 1957) is a German astronomer at the Astrophysical Institute of Potsdam. He developed the Potsdam Multi-Aperture Spectrophotometer that operates at the Calar Alto Observatory, and he founded innoFSPEC, an interdisciplinary center dedicated to the development of astrophotonics technologies.

(614667) Rogersmith = 2010 LB₁₂₅

Discovery: 2010-06-15 / WISE / WISE / C51

Roger Smith (b. 1955) is the lead electronics engineer at the Caltech Optical Observatories. He has developed focal-plane electronics and full camera systems, including the 600-million-pixel cryogenic CCD mosaic camera that is the heart of the Zwicky Transient Factory project operating at the Mount Palomar Observatory.

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/2022 U3 (Bok)	MPEC 2022-V83
C/2022 U2 (ATLAS)	MPEC 2022-V66
C/2022 U1 (Leonard)	MPEC 2022-U343
C/2022 S5 (PANSTARRS)	MPEC 2022-V2
C/2022 S4 (Lemmon)	MPEC 2022-U170
C/2022 S3 (PANSTARRS)	MPEC 2022-T122
P/2022 S1 (PANSTARRS)	MPEC 2022-T89
C/2022 R6 (PANSTARRS)	MPEC 2022-V1
P/2022 R5 (PANSTARRS)	MPEC 2022-T88
P/2022 R4 (PANSTARRS)	MPEC 2022-T87
P/2022 R3 (Leonard)	MPEC 2022-S250
P/2022 R2 (ATLAS)	MPEC 2022-S87
P/2022 R1 (PANSTARRS)	MPEC 2022-R124
C/2022 QE 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
C/2022 N2 (PANSTARRS)	MPEC 2022-N48
C/2022 N1 (Attard-Maury)	* MPEC 2022-N47
P/2022 M1 (LONEOS-PANSTARRS)	2022-09-03
C/2022 L4 (PANSTARRS)	MPEC 2022-M104
P/2022 L3 (ATLAS)	MPEC 2022-M97
C/2022 L2 (ATLAS)	MPEC 2022-M18

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C/2022 L1 (Catalina)		MPEC 2022-L97
C/2022 K1 (Leonard)		MPEC 2022-L53
C/2022 J2 (Bok)		MPEC 2022-M98
C/2022 J1 (Maury-Attard)	*	MPEC 2022-J88
C/2022 H1 (PANSTARRS)		MPEC 2022-J76
C/2022 F2 (NEOWISE)		MPEC 2022-G83
C/2022 F1 (ATLAS)		MPEC 2022-G82
P/2022 E1 = P/2005 N11 = P/2015 PO ₂₁₀ (PANSTARRS-Christensen)		MPEC 2022-H49
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
P/2020 WJ ₅ (Lemmon)		MPEC 2022-H121
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 T2 (TESS)		MPEC 2022-Q126
P/2016 PM ₁ = P/2010 LK ₃₆ = P/2016 MD = P/2022 C4 (WISE-PANSTARRS)		MPEC 2022-M81
P/2003 CC ₂₂ = P/2022 B5 (Sheppard-Jewitt)		MPEC 2022-V36

Recent Numberings

448P/2015 X1 = P/2022 Q1 = P/2008 T13 (PANSTARRS)	MPC 141922
447P/2021 R9 = P/2008 T14 (Sheppard-Tholen)	MPC 141922
446P/2012 O3 = P/2022 G2 (McNaught)	MPC 141173
445P/2014 R5 = P/1998 W9 = P/2006 S14 = P/2022 L5 (Lemmon-PANSTARRS)	MPC 141173
444P/2016 PM1 = P/2010 LK36 = P/2016 MD = P/2022 C4 (WISE-PANSTARRS)	MPC 141173
443P/2022 E1 = P/2005 N11 = P/2015 PO 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

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 23608 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.

