
The MINOR PLANET CIRCULARS/MINOR PLANETS AND COMETS are published, on behalf of
Division F of the International Astronomical Union, usually in batches
on or near the date of each full moon, by:

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<http://www.minorplanetcenter.net/iau/mpc.html> ISSN 0736-6884

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EDITORIAL NOTICE

The Working Group on Small Body Nomenclature has voted to change the name of comet C/2017 E2 to Tsuchinshan.

ERRATA

MPC	Line	
103027	-15 to -11	Delete the name and citation for (227152)
103967	38	For at Ojima <i>read</i> by T. Nijijima and T. Urata at Ojima [(7202) discovery details]
103967	-35	For Angkorwat <i>read</i> Angkor Wat [(16770) name]
103967	-2	For Humelvey <i>read</i> Humeivey [(22415) name]

NEW NAMES OF MINOR PLANETS

(6016) Carnelli = 1991 PA₁₁

Discovered 1991 Aug. 7 by H. E. Holt at Palomar.

Ian Carnelli (b. 1976) has made major contributions in the development of asteroid mission concepts at the European Space Agency over the past decade. He is greatly appreciated by the asteroid expert community and contributes to inspire future generations of asteroid scientists. Name suggested by P. Michel.

(6623) Trioconbrio = 1979 MY₂

Discovered 1979 June 25 by E. F. Helin and S. J. Bus at Siding Spring.

Trio Con Brio Copenhagen is the leading music ensemble in Denmark. The trio was formed in 1999 and consists of Jens Elvekjaer (piano), Soo-Kyung Hong (cello), and Soo-Jin Hong (violin). In addition to their explorations of the core piano trio repertoire, they have won acclaim for their advocacy of contemporary music.

(6857) Castelli = 1990 QQ

Discovered 1990 Aug. 19 by E. F. Helin at Palomar.

Benedetto Castelli (1578-1643) studied mathematics in Padova and was a favorite pupil of Galileo, with whom he discussed the significance of the phases of Venus in the Copernican theory. He also published works on fluids in motion, and is universally recognized as the founder of modern hydrodynamics.

(6875) Golgi = 1994 NG₁

Discovered 1994 July 4 by E. F. Helin at Palomar.

Camillo Golgi (1843-1926) was an Italian scientist, physician and biologist. The Golgi apparatus, Golgi tendon organ, Golgi tendon reflex and Golgi receptor are named after him. In 1906 he was awarded the Nobel Prize in Medicine for his studies on the structure of the nervous system.

(7013) Trachet = 1988 RS₄

Discovered 1988 Sept. 1 by H. Debehogne at the European Southern Observatory.

Journalist and science writer Tim Trachet (b. 1958) is honorary chairman and general secretary of the Belgian skeptical organization, SKEPP. He is also vice-chairman of the European Council of Skeptical Organisations, which he co-founded in 1994.

(9002) Gabrynowicz = 1981 QV₂

Discovered 1981 Aug. 23 by H. Debehogne at the European Southern Observatory.

Joanne Irene Gabrynowicz (1949) is Emerita Professor, Director of the National Center for Remote Sensing, Air, and Space Law of the University of Mississippi School of Law, and Editor-in-Chief of the Journal of Space Law. She has spoken in front of the U.S. Congress and the United Nations on matters of space law.

(9004) Peekaydee = 1982 UZ₂

Discovered 1982 Oct. 22 by G. Aldering at Kitt Peak.

Philip Kindred Dick (1928-1982) was an American science fiction author. His short stories and novels explored philosophical, sociological and political themes, often questioning what it meant to be human. Many of his works have been made into movies, such as Blade Runner, Total Recall and Minority Report.

(9011) Angelou = 1984 SU

Discovered 1984 Sept. 20 by A. Mrkos at Kleť.

Maya Angelou (1928-2014), born Marguerite Annie Johnson, was an American poet, author, and civil rights activist. She came to fame with her first autobiographical book "I Know Why the Caged Bird Sings". Six more autobiographies followed, and many other books of essays and poetry, as well as plays, movies, and TV shows.

(9015) Coe = 1985 VK

Discovered 1985 Nov. 14 by P. Jensen at Brorfelde.

Malcolm Coe (b. 1949) is Professor of Astronomy at the University of Southampton in the U.K. For four decades his research has centered on Be X-ray binaries in the Milky Way and Magellanic Cloud galaxies, both in X-ray and optical/infrared wavelengths. But his true passion in life is Southampton Football Club.

(9027) Graps = 1988 VP₅

Discovered 1988 Nov. 4 by A. Mrkos at Kleť.

Amara Graps (b. 1961) is a planetary scientist who concentrates on asteroids and comets, but has worked on every planet in the Solar System. She has analyzed data from many missions, such as New Horizons, Rosetta, Cassini and Voyager 2. She is Chief Scientist of Deep Space Industries Latvia.

(9923) Ronaldthiel = 1981 EB₂₄

Discovered 1981 Mar. 7 by S. J. Bus at Siding Spring.

Ronald L. Thiel (b.1937) is the Division Chief of the Traffic Division for the County of Hawaii. In his capacity as traffic engineer, he has overseen the installation of shielded LED streetlights and other lighting that is designed to minimize impact on the dark night sky over the Mauna Kea Observatories.

(9924) Corrigan = 1981 EM₂₄

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Catherine “Cari” Corrigan (b.1972) is a U.S. meteoriticist at the Smithsonian Institution. Her research includes the mineralogy and origin of asteroids. She classifies and provides access to meteorites from the U.S. Antarctic collection for the international research community.

(9925) Juliehoskin = 1981 EU₂₄

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Candace Julie Hoskin (b.1974) is the Collection Manager for meteorites at the Smithsonian Institution. She is responsible for maintaining the collection and providing access to samples for researchers studying the origin and evolution of asteroids.

(9926) Desch = 1981 EU₄₁

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Steven Desch (b.1970) is a professor of astronomy at Arizona State University. His work in theoretical astrophysics centers on models of the origin and evolution of asteroids and planets, including chondrule formation, protoplanetary disk evolution, and the origin of short-lived radionuclides.

(10018) Lykawka = 1979 MG₄

Discovered 1979 June 25 by E. F. Helin and S. J. Bus at Siding Spring.

Patryk Sofia Lykawka (b.1976) is a Brazilian-Italian planetary scientist and dynamicist whose contributions include modeling Edgeworth-Kuiper Belt formation and the dynamical evolution processes of mean motion resonances.

(10019) Wesleyfraser = 1979 MK₇

Discovered 1979 June 25 by E. F. Helin and S. J. Bus at Siding Spring.

Wesley C. Fraser (b.1981) is a researcher at Queen’s University Belfast whose studies include the size distribution of Kuiper Belt objects to better constrain their formation.

(10020) Bagenal = 1979 OQ₅

Discovered 1979 July 24 by S. J. Bus at Palomar.

Frances Bagenal (b.1954) is a professor at the University of Colorado specializing in the study of space plasmas and planetary magnetospheres. She has been a science team member for the Voyager, Galileo and New Horizons missions.

(10032) Hans-Ulrich = 1981 RF₇

Discovered 1981 Sept. 3 by S. J. Bus at Palomar.

Hans-Ulrich Auster (b.1959) is Head of the Space Magnetometer Laboratory at Braunschweig Technical University, known for research and development of magnetometers aboard multiple spacecraft, including Rosetta’s Philae lander.

(10033) Bodewits = 1981 UJ₂₃

Discovered 1981 Oct. 24 by S. J. Bus at Palomar.

Dennis Bodewits (b.1979) is a research scientist at the University of Maryland who performs observational studies of the activity and evolution of comets and active asteroids using the Swift gamma-ray burst space observatory.

(10063) Erinleeryan = 1988 SZ₂

Discovered 1988 Sept. 16 by S. J. Bus at Cerro Tololo.

Erin Lee Ryan (b.1981) is a research scientist with the SETI Institute whose work includes spectral and lightcurve observations of the Hilda asteroids.

(10267) Giuppone = 1978 VD₇

Discovered 1978 Nov. 7 by E. F. Helin and S. J. Bus at Palomar.

Cristian Giuppone (b.1979) is an Argentine astronomer at the Córdoba Astronomical Observatory investigating the co-orbital three-body problem with dissipation, with applications to planetary and small bodies dynamics.

(10272) Yuko = 1981 EF₁₃

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Yuko Kimura (b.1981) is an administrative associate at the National Astronomical Observatory of Japan who organizes international collaboration programs promoting studies of asteroids.

(10273) Katvolk = 1981 ED₁₄

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Kathryn Volk (b.1985) completed her PhD at the University of Arizona investigating the long-term dynamical evolution of Centaur asteroids and the Kuiper Belt.

(10274) Larryevans = 1981 ET₁₅

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Larry Evans (b.1943) is an expert in gamma-ray, x-ray and neutron spectroscopy, including the analysis and interpretation of data collected by the NEAR mission to (433) Eros.

(10275) Nathankaib = 1981 EC₁₆

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Nathan Kaib (b.1980) is a professor at the University of Oklahoma who specializes in the formation and evolution of planetary systems, in particular the outer solar system.

(10276) Matney = 1981 EK₂₃

Discovered 1981 Mar. 3 by S. J. Bus at Siding Spring.

Mark Matney (b.1963) of the Johnson Space Center has made fundamental contributions to models and observations of Earth’s orbital debris environment.

(10277) Micheli = 1981 EC₂₇

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Marco Micheli (b.1983) is a researcher at the European Space Agency Space Situational Awareness Near-Earth Object Coordination Centre and a member of the Pan-STARRS1 survey’s near-Earth object search team studying meteor streams.

(10278) Virkki = 1981 EW₃₀

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Anne Virkki (b.1988) is a postdoctoral scholar at the Arecibo Observatory who studies near-Earth asteroids, specializing in understanding the properties of asteroid surfaces and regolith using radar scattering measurements.

(10279) Rhiannonblaaauw = 1981 ET₄₂

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Rhiannon Blaaauw (b.1986) is a scientist working at the NASA Meteoroid Environment Office who has developed new techniques for measuring fluxes and particle distributions within meteor showers.

(10280) Yequanzhi = 1981 EA₄₃

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Quan-Zhi Ye (b. 1988) is a postdoctoral researcher at the California Institute of Technology who studies the transitions between asteroids and comets and associated meteor streams.

(10281) Libourel = 1981 EE₄₅

Discovered 1981 Mar. 11 by S. J. Bus at Siding Spring.

Guy Libourel (b. 1956) is a cosmochemist at Observatoire de la Côte d'Azur (France) whose research includes the petrology and formation of chondrules.

(10282) Emilykramer = 1981 ET₄₆

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Emily Kramer (b. 1986) is a postdoctoral researcher at the Jet Propulsion Laboratory who uses visible and thermal wavelength measurements to estimate the amount of mass shed by comets throughout their orbits.

(10296) Rominadisisto = 1988 RQ₁₂

Discovered 1988 Sept. 14 by S. J. Bus at Cerro Tololo.

Romina Paula Di Sisto (b. 1970) is an astronomer at the La Plata University of Argentina whose research includes the dynamics and collisional evolution of Centaurs, Jupiter family comets, and Hilda and Trojan asteroids.

(10297) Lynnejones = 1988 RJ₁₃

Discovered 1988 Sept. 14 by S. J. Bus at Cerro Tololo.

Lynne Jones (b. 1973) is a researcher at the University of Washington working to optimize the performance of the Large Synoptic Survey Telescope for solar system science.

(10298) Jiangchuanhuang = 1988 SU₂

Discovered 1988 Sept. 16 by S. J. Bus at Cerro Tololo.

Jiangchuan Huang (b. 1961) served as the chief designer of the Chang'e 2 satellite, which in 2008 executed a fly-by of (4179) Toutatis.

(10460) Correa-Otto = 1978 VK₈

Discovered 1978 Nov. 7 by E. F. Helin and S. J. Bus at Palomar.

Jorge Correa-Otto (b. 1981) is an Argentine astronomer at San Juan National University performing dynamical studies of the solar system and planetary systems around binary stars.

(10463) Bannister = 1979 MB₉

Discovered 1979 June 25 by E. F. Helin and S. J. Bus at Siding Spring.

Michele Bannister (b. 1986) is a postdoctoral research fellow at Queen's University Belfast whose work includes surveys to discover and characterize trans-Neptunian objects.

(10465) Olkin = 1980 WE₅

Discovered 1980 Nov. 29 by S. J. Bus at Palomar.

Catherine B. Olkin (b. 1966) is a researcher at Southwest Research Institute (Boulder, Colorado), Deputy Project Scientist for the New Horizons mission and Deputy Principal Investigator for the Lucy mission. Her studies include stellar occultations, color compositional analysis of the Pluto system, and the study of Trojans.

(10466) Marius-Ioan = 1981 ET₇

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Marius-Ioan Piso (b. 1954) is President of the Romanian Space Agency (ROSA) and a leading advocate for space research in Romania. Over two decades he orchestrated the process of Romania becoming a member of the European Space Agency.

(10467) Peterbus = 1981 EZ₇

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Peter Bus (1951–2016) was a Dutch amateur astronomer and founding member of the Dutch Comet Section of the Royal Dutch Association for Meteorology and Astronomy who was dedicated to the observation of comets and meteor showers.

(10468) Itacuruba = 1981 EH₉

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Itacuruba, also known as Nova Itacuruba, is a town in Pernambuco State, Brazil and site of the Observatório Astronômico do Sertão de Itaparica (OASI). The original city was flooded in 1988 in forming Itaparica Lake.

(10469) Krohn = 1981 EE₁₄

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Katrin Krohn (b. 1984) is a researcher at the German Aerospace Center (DLR-Berlin) studying cryogenic flow features and cryovolcanism on Ceres using Dawn spacecraft data.

(10470) Bartczak = 1981 EW₁₈

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Przemysław Bartczak (b. 1974) is a researcher at the Astronomical Observatory of the Adam Mickiewicz University in Poznań, Poland who studies asteroid lightcurve inversion techniques that yield both convex and non-convex shape and spin solutions.

(10471) Marciniak = 1981 EH₂₀

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Anna Marciniak (b. 1979) is a researcher at the Astronomical Observatory of the Adam Mickiewicz University in Poznań, Poland studying the spin and shape properties of long-period main-belt asteroids.

(10472) Santana-Ros = 1981 EO₂₀

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Toni Santana-Ros (b. 1984) is a postdoctoral researcher at the Astronomical Observatory of the Adam Mickiewicz University in Poznań, Poland where he performs photometric measurements of small bodies in support of the Gaia mission.

(10473) Thirouin = 1981 EL₂₁

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Audrey Thirouin (b. 1984) is a researcher at the Lowell Observatory who performs photometric measurements of trans-Neptunian objects investigating differences in binary and non-binary populations.

(10474) Pecina = 1981 EJ₂₃

Discovered 1981 Mar. 3 by S. J. Bus at Siding Spring.

Petr Pecina (b. 1950) is a retired astronomer from the Czech Academy of Sciences known for studies of meteoroid interaction with planetary atmospheres, including analytical solutions for meteoroid deceleration and ablation.

(10475) Maxpoilâne = 1981 EX₂₈

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Max Poilâne (b. 1941) is a well-known Parisian boulanger who is also an enthusiast and supporter of astronomy and space exploration.

(10476) Los Molinos = 1981 EY₃₈

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Los Molinos is the astronomical observatory located north of Montevideo, Uruguay (MPC code 844), actively involved in follow-up observations of asteroids and comets. The observatory belongs to the Ministerio de Educación y Cultura.

(10477) Lacumparsita = 1981 ET₄₁

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

La Cumparsita is a song considered the ‘anthem of the tangos’ created and written by the Uruguayan composer Gerardo Matos Rodríguez (1897–1948). It was played for the first time in 1917 in Montevideo, site of the 2017 Asteroids Comets Meteors conference.

(10512) Yamandu = 1989 TP₁₁

Discovered 1989 Oct. 2 by S. J. Bus at Cerro Tololo.

Yamandu Alejandro Fernandez (1927–2010) was a Uruguayan amateur astronomer and communicator who was well known as a telescope builder and observer of variable stars, stellar occultations, novae and comets.

(10673) Bereznoy = 1978 VU₅

Discovered 1978 Nov. 7 by E. F. Helin and S. J. Bus at Palomar.

Alexey A. Bereznoy (b. 1972) is a Russian chemist and astronomer at Moscow State University studying chemical processes during the interaction of meteoroids with planetary atmospheres and surfaces, including the lunar exosphere.

(10674) de Elía = 1978 VT₁₀

Discovered 1978 Nov. 7 by E. F. Helin and S. J. Bus at Palomar.

Gonzalo Carlos de Elía (b. 1977) is an Argentine astronomer at La Plata National University who studies the formation and evolution of planetary systems.

(10677) Colucci = 1979 MN₃

Discovered 1979 June 25 by E. F. Helin and S. J. Bus at Siding Spring.

Adrian Rodriguez Colucci (b. 1978) is an astronomer at the Valongo Observatory of Rio de Janeiro, Brazil. He is a specialist in tidal evolution of planets and small bodies.

(10678) Alilagoa = 1979 MG₆

Discovered 1979 June 25 by E. F. Helin and S. J. Bus at Siding Spring.

Victor Alf-Lagoa (b. 1983) is a Spanish astronomer whose PhD research at the Instituto de Astrofísica de Canarias focused on the thermal properties of small bodies.

(10679) Chankaochang = 1979 MH₆

Discovered 1979 June 25 by E. F. Helin and S. J. Bus at Siding Spring.

Chan-Kao “Rex” Chang (b. 1976) is a researcher at the National Central University of Taiwan whose work includes searching for fast-rotating asteroids in Palomar Transient Factory survey data and rotation rate distribution studies.

(10680) Ermakov = 1979 ME₈

Discovered 1979 June 25 by E. F. Helin and S. J. Bus at Siding Spring.

Anton Ermakov (b. 1988) is a postdoctoral researcher at the California Institute of Technology who studies the gravity and interior structures of Vesta and Ceres using Dawn spacecraft data.

(10686) Kaluna = 1980 VX₂

Discovered 1980 Nov. 1 by S. J. Bus at Palomar.

Heather Kaluna (b. 1984) is a researcher at the University of Hawaii studying the evolution of water in carbonaceous asteroids as well as space weathering processes.

(10688) Haghhighipour = 1981 DK

Discovered 1981 Feb. 28 by S. J. Bus at Siding Spring.

Nader Haghhighipour (b. 1967) is a professor at the University of Hawaii specializing in solar system dynamics as well as extrasolar planets. His service includes President of IAU Division F (Planetary Sciences and Astrobiology) for the period 2015–2018.

(10689) Pinillaalonso = 1981 DZ₁

Discovered 1981 Feb. 28 by S. J. Bus at Siding Spring.

Noemi Pinilla-Alonso (b. 1971) is a planetary scientist at the Florida Space Institute and an expert in the study of surface compositions of minor solar system bodies using observational techniques and modeling.

(10690) Massera = 1981 DO₃

Discovered 1981 Feb. 28 by S. J. Bus at Siding Spring.

José Luis Massera (1915–2002) was a Uruguayan mathematician who studied the stability of differential equations. Massera’s Lemma solves the equilibrium stability problem in nonlinear differential equations in terms of the Lyapunov function.

(10691) Sans = 1981 EJ₁₉

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Juan Diego Sans (1922–2005) was a Uruguayan professor and public communicator of astronomy at the Universidad de la Republica. He was co-founder of the Asociación de Aficionados a la Astronomía and president of the Sociedad Uruguaya de Astronomía.

(10692) Opeil = 1981 EK₁₉

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Cyril P. Opeil SJ (b. 1960) is a professor at Boston College studying the thermal properties of meteorites to improve understanding of orbital and rotational changes caused by the re-radiation of solar flux.

(10693) Zangari = 1981 ES₂₀

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Amanda M. Zangari (b. 1986) is a postdoctoral researcher at Southwest Research Institute (Boulder, Colorado) whose studies include photometry and stellar occultations of the Pluto system and other Kuiper belt objects.

(10694) Lacerda = 1981 EH₂₁

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Pedro Lacerda (b. 1975) is a Lecturer at Queen’s University Belfast whose work includes analyzing rotational lightcurves to infer physical properties of trans-Neptunian objects and other small solar system bodies.

(10695) Yasunorifujiwara = 1981 ER₂₁

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Yasunori Fujiwara (b. 1957) is a pioneer of meteor video observations in Japan known for his study of the Leonid meteor stream.

(10696) Giuliattiwinter = 1981 EO₂₄

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Silvia Maria Giuliatti Winter (b. 1965) is a Brazilian astronomer at the São Paulo State University working on ring dynamics and the dynamics of the Pluto system.

(10697) Othonwinter = 1981 EO₄₀

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Othon Cabo Winter (b. 1963) is a Brazilian astronomer at the São Paulo State University researching orbital dynamics with application to the stability of multiple asteroid systems.

(10698) Singer = 1981 EJ₄₃

Discovered 1981 Mar. 3 by S. J. Bus at Siding Spring.

Kelsi N. Singer (b.1984) is a postdoctoral researcher at Southwest Research Institute (Boulder, Colorado) studying outer solar system icy satellites and the Kuiper belt population through the crater size distribution revealed by the New Horizons mission to the Pluto system.

(10699) Calabrese = 1981 ES₄₃

Discovered 1981 Mar. 6 by S. J. Bus at Siding Spring.

Pietro Calabrese (1944–2010) was editor of the Italian newspapers *Il Messaggero* and *La Gazzetta dello Sport*. A noted journalist, he was fascinated by the idea of communicating with extraterrestrial intelligence.

(10700) Juanangelviera = 1981 ET₄₇

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Juan Angel Viera (1925–2012) was an amateur astronomer, high-school teacher in astronomy and a communicator in Uruguay. He was Honorary President and co-founder of the *Asociación de Aficionados a la Astronomía*.

(10707) Prunariu = 1981 UV₂₃

Discovered 1981 Oct. 24 by S. J. Bus at Palomar.

Dumitru-Dorin Prunariu (b.1952) became the first Romanian cosmonaut flying in 1981 aboard Soyuz 40 to the Salyut 6 space laboratory. He is one of the proposal initiators for International Asteroid Day (June 30) declared by the UN General Assembly.

(10708) Richardspalding = 1981 UE₂₆

Discovered 1981 Oct. 25 by S. J. Bus at Palomar.

Richard Spalding (b.1935) is an engineer at Sandia National Laboratories whose satellite projects include the detection of Gamma Ray Bursts and transient atmospheric phenomena generated by lightning and meteors.

(10741) Valeriocarruba = 1988 SF₃

Discovered 1988 Sept. 16 by S. J. Bus at Cerro Tololo.

Valerio Carruba (b.1970) is an astronomer at the São Paulo State University in Brazil whose research includes the dynamics and identification of asteroid families and the effect of non-linear secular resonances in the asteroid belt.

(10994) Fouchard = 1978 EU₉

Discovered 1978 Mar. 15 by S. J. Bus at Palomar.

Marc Fouchard (b.1972) is a professor at the Laboratoire d'Astronomie de Université Lille and collaborator at the Institut de Mécanique Céleste et de Calcul des Éphémérides (IMCCE) (France), specializing in the dynamics of long-period comets.

(10999) Braga-Ribas = 1978 VC₆

Discovered 1978 Nov. 7 by E. F. Helin and S. J. Bus at Palomar.

Felipe Braga-Ribas (b.1982) is a professor at the Federal Technological University of Paraná, Curitiba (Brazil) specializing in predictions and observations of stellar occultations, including the detection of rings around the centaur (10199) Chariklo.

(11007) Granahan = 1980 VA₃

Discovered 1980 Nov. 1 by S. J. Bus at Palomar.

James C. Granahan (b.1965) is a scientist at Leidos Inc. whose research includes spectroscopic analysis of asteroids Gaspra and Ida using data from the Galileo spacecraft mission.

(11008) Ernst = 1981 EO₇

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Carolyn M. Ernst (b.1979) is a planetary scientist at the Johns Hopkins University Applied Physics Laboratory specializing in impact physics of asteroids and other solar system objects.

(11009) Sigridclose = 1981 ET₁₀

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Sigrid Close (b.1971) is a professor at Stanford University whose research includes meteoroid plasma detection using radar and space weather measurements using spacecraft.

(11010) Artemieva = 1981 ET₂₄

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Natalia A. Artemieva (b.1959) is a Russian planetary scientist known for her theoretical work on impacts of interplanetary bodies into planets and planetary satellites.

(11033) Mazanek = 1988 SH₃

Discovered 1988 Sept. 16 by S. J. Bus at Cerro Tololo.

Dan Mazanek (b.1966) is a space systems engineer at NASA Langley Research Center specializing in the development of asteroid mission concepts.

(11259) Yingtungchen = 1978 VD₃

Discovered 1978 Nov. 7 by E. F. Helin and S. J. Bus at Palomar.

Ying-Tung “Charles” Chen (b.1981) is a post-doctoral fellow at the Academia Sinica Institute of Astronomy and Astrophysics (Taiwan) where he uses data from large surveys to study outer solar system objects.

(11260) Camargo = 1978 VD₉

Discovered 1978 Nov. 7 by E. F. Helin and S. J. Bus at Palomar.

Julio Ignacio Bueno de Camargo (b.1967) is a researcher at the Observatorio Nacional (Brazil) who specializes in astrometry of solar system bodies and reference frames, particularly in the prediction and observation of stellar occultations.

(11262) Drube = 1979 MP₃

Discovered 1979 June 25 by E. F. Helin and S. J. Bus at Siding Spring.

Line Drube (b.1980) is a postdoctoral researcher at the German Aerospace Center (DLR-Berlin) whose investigations include the thermal properties of asteroids and the properties of Martian airborne dust using data from the Phoenix Lander.

(11265) Hasselmann = 1981 EU₃₄

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Pedro Henrique Aragão Hasselmann (b.1987) completed his PhD at Observatório Nacional do Rio de Janeiro researching the photometric properties and phase functions of asteroids.

(11266) Macke = 1981 ES₄₁

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Robert J. Macke SJ (b.1974) is a research scientist and meteorite curator at the Vatican Observatory, whose fundamental contributions include studying the relationship between shock state and porosity in carbonaceous chondrites.

(11267) Donaldkessler = 1981 UE₂₈

Discovered 1981 Oct. 24 by S. J. Bus at Palomar.

Donald J. Kessler (b.1940) is the founder of the modern field of orbital debris, having worked as head of the orbital debris office at NASA from the time of its founding until 1996.

(11274) Castillo-Rogez = 1988 SX₂

Discovered 1988 Sept. 16 by S. J. Bus at Cerro Tololo.

Julie Castillo-Rogez (b. 1974) is a planetary scientist at the Jet Propulsion Laboratory who has performed extensive thermal and geochemical modeling of Ceres to interpret its interior structure based on Dawn spacecraft data.

(11440) Massironi = 1975 SC₂

Discovered 1975 Sept. 30 by S. J. Bus at Palomar.

Matteo Massironi (b. 1967) is a Professor at the University of Padova whose research includes the geology of (21) Lutetia and the surface layering of 67P/Churyumov-Gerasimenko using Rosetta spacecraft data.

(11448) Miahajduková = 1979 MB₆

Discovered 1979 June 25 by E. F. Helin and S. J. Bus at Siding Spring.

Mária (Mia) Hajduková, Jr. (b. 1967) is a research scientist at the Slovak Academy of Science investigating meteoroid orbits, particularly the critical analysis of observational errors leading to apparently hyperbolic orbits.

(11453) Cañada-Assandri = 1981 DS₁

Discovered 1981 Feb. 28 by S. J. Bus at Siding Spring.

Marcela Cañada-Assandri (b. 1976) is an astronomer at the El Leoncito Observatory in San Juan, Argentina, where she has worked on polarimetry of main-belt asteroids and the dynamics of the Hungaria group.

(11454) Mariomelita = 1981 DT₂

Discovered 1981 Feb. 28 by S. J. Bus at Siding Spring.

Mario Daniel Melita (b. 1964) is a professor at the Instituto de Astronomía y Física del Espacio (IAFE) of the Universidad de Buenos Aires, specializing in dynamical and physical properties of small solar system bodies.

(11455) Richardstarr = 1981 EN₄

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Richard Starr (b. 1950) of the Catholic University of America is an expert in planetary X-ray, gamma-ray, and neutron spectroscopy, including their application to asteroid missions.

(11456) Cotto-Figueroa = 1981 EK₉

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Desiree Cotto-Figueroa (b. 1984) is a professor at the University of Puerto Rico, Humacao whose research includes shape and spin evolution of near-Earth asteroids in response to re-radiation of solar flux.

(11457) Hitomikobayashi = 1981 EF₁₂

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Hitomi Kobayashi (b. 1984) is a Japanese researcher who studies formation and evolution of cometary organic volatiles based on observations and laboratory experiments.

(11458) Rosemarypike = 1981 EV₁₂

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Rosemary E. Pike (b. 1984) is a postdoctoral fellow at the Institute of Astronomy and Astrophysics, Academia Sinica (Taiwan) who studies complex resonances in the Kuiper belt, particularly the stability of the 5:1 resonance with Neptune.

(11459) Andráspál = 1981 ET₁₃

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

András Pál (b. 1981) is a researcher at the Konkoly Observatory in Budapest who develops computer tools for the processing and interpretation of small body visual and infrared observations.

(11460) Juliafang = 1981 EZ₁₅

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Julia Fang (b. 1987) completed her PhD work at UCLA using observational data and numerical integrations in the dynamical study of multiple asteroid systems, both in the near-Earth and main belt populations.

(11461) Wladimirneumann = 1981 EM₁₈

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Wladimir Neumann (b. 1981) is a researcher at the German Aerospace Center (DLR-Berlin) who studies water-rock differentiation of icy bodies applicable to interpreting Ceres data from the Dawn mission.

(11462) Hsingwenlin = 1981 ES₂₃

Discovered 1981 Mar. 3 by S. J. Bus at Siding Spring.

Hsing-Wen “Edward” Lin (b. 1982) is a postdoctoral researcher at the National Central University of Taiwan whose research spans from trans-Neptunian objects, to Centaurs, Neptune Trojans and main-belt asteroids.

(11463) Petrpokorny = 1981 EN₂₄

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Petr Pokorny (b. 1986) is a Czech astrophysicist specializing in numerical models of the solar system dust complex and observational interpretation of meteor radar measurements.

(11464) Moser = 1981 EL₂₈

Discovered 1981 Mar. 6 by S. J. Bus at Siding Spring.

Danielle Moser (b. 1980) is a scientist working for the NASA Meteoroid Environment Office whose research includes meteor shower forecasting and estimating the energies of lunar impactors.

(11465) Fulvio = 1981 EP₃₀

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Daniele Fulvio (b. 1979) is a professor of Physics at the Pontificia Universidade Católica do Rio de Janeiro performing laboratory simulation of asteroid space weathering through ion irradiation of meteorite samples.

(11466) Katharinaotto = 1981 EL₃₃

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Katharina A. Otto (b. 1984) is a scientist at the German Aerospace Center (DLR-Berlin) studying the effects of Coriolis force in shaping surface features on Vesta through analysis of Dawn spacecraft images.

(11467) Simonporter = 1981 EA₃₆

Discovered 1981 Mar. 3 by S. J. Bus at Siding Spring.

Simon B. Porter (b. 1984) is a postdoctoral researcher at Southwest Research Institute (Boulder, Colorado) whose studies include tidal dissipation and stability in trans-Neptunian binary systems.

(11468) Shantanunaidu = 1981 EU₄₂

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Shantanu Naidu (b. 1985) is a postdoctoral researcher at the Jet Propulsion Laboratory who combines dynamical theory and radar observations for asteroid physical studies, including spin-orbit coupling interactions in binary asteroid systems.

(11469) Rozitis = 1981 EZ₄₂

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Benjamin Rozitis (b.1984) is a research fellow at the Open University (UK) studying the physical and dynamical characterization of asteroid surfaces through spacecraft data, modeling, and microgravity experiments.

(11470) Davidminton = 1981 EE₄₇

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

David Minton (b. 1976) is a professor at Purdue University investigating the dynamical history of the main asteroid belt and its connection with terrestrial impacts.

(11471) Toshihirabayashi = 1981 EH₄₈

Discovered 1981 Mar. 6 by S. J. Bus at Siding Spring.

Masatoshi Hirabayashi (b. 1983) is a postdoctoral researcher at Purdue University specializing in modeling structural stresses experienced by rotating asteroids and comet nuclei.

(11794) Yokokebukawa = 1978 VW₈

Discovered 1978 Nov. 7 by E. F. Helin and S. J. Bus at Palomar.

Yoko Kebukawa (b. 1981) is a Professor in the Faculty of Engineering of the Yokohama National University who specializes in the cosmochemistry of meteorites.

(11799) Lantz = 1981 DG₂

Discovered 1981 Feb. 28 by S. J. Bus at Siding Spring.

Cateline Lantz (b. 1989) is a postdoctoral researcher at the Massachusetts Institute of Technology whose investigations include the processes of space weathering on carbonaceous asteroids.

(11800) Carozzo = 1981 DN₂

Discovered 1981 Feb. 28 by S. J. Bus at Siding Spring.

Filippo Giacomo Carozzo (b. 1978) is a researcher at Istituto di Astrofisica e Planetologia Spaziali (IAPS-Rome) whose work includes mineralogical mapping of Vesta and Ceres using Dawn spacecraft data.

(11801) Frigeri = 1981 EL₅

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Alessandro Frigeri (b. 1973) is a researcher at the Istituto di Astrofisica e Planetologia Spaziali (IAPS-Rome) who has created spectral parameter maps of Vesta using data from the Dawn spacecraft mission.

(11802) Ivanovski = 1981 EP₁₂

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Stavro Lambrov Ivanovski (b. 1977) is a scientist at Istituto di Astrofisica e Planetologia Spaziali (IAPS-Rome) whose research includes the dynamics of aspherical dust grains in cometary atmospheres.

(11803) Turrini = 1981 ES₁₂

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Diego Turrini (b. 1979) is a scientist at the Istituto di Astrofisica e Planetologia Spaziali (IAPS-Rome) whose work includes modeling the source of olivine on Vesta as detected by the Dawn spacecraft mission.

(11804) Zambon = 1981 EE₁₃

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Francesca Zambon (b. 1981) is a researcher at the Istituto di Astrofisica e Planetologia Spaziali (IAPS-Rome) who uses Dawn spacecraft spectral data to map the mineralogy of both Vesta and Ceres.

(11805) Novaković = 1981 EL₁₃

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Bojan Novaković (b. 1976) is a professor at the University of Belgrade who has performed analyses of asteroid collisional families and their association with active asteroids.

(11806) Thangjam = 1981 EF₁₄

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Guneshwar Thangjam (b. 1985) is a researcher at the Max-Planck Institute (Göttingen) performing spectral analyses of Vesta's compositional heterogeneity using Dawn spacecraft data.

(11807) Wannberg = 1981 EH₁₇

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Asta Pellinen-Wannberg (b. 1953) is a Swedish geophysicist and astronomer at Umeå University known for radar observation of meteors. She studies interaction of small meteoroids with the atmosphere using high-power large-aperture radars.

(11808) Platz = 1981 EM₁₇

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Thomas Platz (b. 1975) is a researcher at the Max Planck Institute and member of the Dawn mission framing camera team studying surface ice deposits on Ceres.

(11809) Shinnaka = 1981 EG₁₈

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Yoshiharu Shinnaka (b. 1986) is a Japanese astronomer studying the physico-chemical evolution of the early solar nebula through measurements of isotopic ratios of molecules in comets.

(11810) Preusker = 1981 EV₁₈

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Frank Preusker (b. 1975) is a geologist at the German Aerospace Center (DLR-Berlin) whose work includes digital terrain models of both Vesta and Ceres using Dawn spacecraft images.

(11811) Martinrubin = 1981 EH₁₉

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Martin Rubin (b. 1977) is a researcher at the Physikalisches Institut, Universität Bern (Switzerland) who specializes in the detection of molecules in comets and served as a member of the Rosetta mission team.

(11812) Dongqiao = 1981 EL₂₀

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Dong Qiao (b. 1979) is a professor at the Beijing Institute of Technology whose work includes target selection and trajectory design for the Chang'e-2 flyby mission of (4179) Toutatis.

(11813) Ingorichter = 1981 EQ₂₃

Discovered 1981 Mar. 3 by S. J. Bus at Siding Spring.

Ingo Richter (b. 1964) is a scientist at the Braunschweig University of Technology (Germany) whose research includes detection and analysis of asteroid magnetic fields and comet solar wind interactions using spacecraft measurements.

(11814) Schwamb = 1981 EW₂₆

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Megan Schwamb (b. 1984) is a scientist at the Gemini Observatory in Hilo, Hawaii whose research includes the search for trans-Neptunian objects.

(11815) Viikinkoski = 1981 EG₃₁

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Matti Viikinkoski (b. 1976) is a postdoctoral researcher at the Tampere University of Technology (Finland) who develops mathematical methods and algorithms for asteroid shape and spin modeling.

(11816) Vasile = 1981 EX₃₂

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Massimiliano Vasile (b. 1970) is a professor at the University of Strathclyde (UK) whose work includes design and optimization of space flight trajectories.

(11817) Oguri = 1981 EQ₃₄

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Junko Oguri (b. 1977) is a librarian at the National Astronomical Observatory of Japan. She is also a renowned paper cutout artist whose subjects include asteroids and comets.

(11818) Ulamec = 1981 EK₃₅

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Stephan Ulamec (b. 1966) is a researcher at the German Aerospace Center (DLR-Berlin) who served as the project manager of Philae, the lander carried aboard ESA's Rosetta mission.

(11819) Millarca = 1981 ER₃₅

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring.

Millarca Valenzuela (b. 1977) is a geologist at the Pontificia Universidad Católica de Chile, and a specialist in meteorites, undertaking many search expeditions in the Atacama Desert.

(11820) Mikiyasato = 1981 EP₃₈

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring.

Mikiya Sato (b. 1967) is a Japanese amateur astronomer who studies dust trails of meteor showers, notably the Phoenicids.

(12648) Ibarbourou = 1135 T-3

Discovered 1977 Oct. 17 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Uruguayan poet and writer Juana Fernández Morales de Ibarbourou (1892–1979) was one of the most popular South American poets. Her poems are notable for her identification of her feelings with nature around her.

(15316) Okagakimachi = 1993 HH₁

Discovered 1993 Apr. 20 by K. Endate and K. Watanabe at Kitami.

Okagakimachi is a small town in Fukuoka Prefecture, west Japan, where the Hokuto Sichisei (the Big Dipper) appears to dip into the Sea of Genkai at lower culmination in the early morning during the summer and autumn.

(18627) Rogerbonnet = 1998 DH₃₃

Discovered 1998 Feb. 27 by M. Tombelli and C. Casacci at Cima Ekar.

Roger-Maurice Bonnet (b. 1937) is a French experimental astrophysicist specializing in stellar physics. From 1983 to 2001 he was Science Director of ESA and he created Horizon 2000. Under his lead, ESA launched the scientific projects, Giotto, Hipparcos, ISO, XMM, SOHO, Cluster, Cassini-Huygens and HST.

(19331) Stefanovitale = 1996 XL₃₃

Discovered 1996 Dec. 4 by M. Tombelli and C. Casacci at Cima Ekar.

Stefano Vitale (b. 1951) is a full professor of Physics at University of Trento. He is the PI of the LISA Technology Package payload on board the LISA Pathfinder

mission of the ESA, launched in 2015 as a precursor to a space-borne gravitational wave observatory.

(21054) Ojmjakon = 1990 VL₅

Discovered 1990 Nov. 15 by E. W. Elst at the European Southern Observatory.

The coldest city on earth, Ojmjakon, lies in the Republic of Yakutia (Siberia, Russia), in the valley of the upper Indigirka river, at 740 metres above sea level. With an average temperature of -48°C in January, it has a lowest record of -70°C .

(22406) Garyboyle = 1995 QW₅

Discovered 1995 Aug. 22 by Spacewatch at Kitt Peak.

Gary Boyle (b. 1957) is a Canadian amateur astronomer who leads club activities, runs outreach events, teaches a college course and writes a stargazing column. Name suggested by R. and P. Jedicke.

(22498) Willman = 1997 LY₂

Discovered 1997 June 5 by Spacewatch at Kitt Peak.

Mark Willman (b. 1952) received his Ph.D. in planetary astronomy from the University of Hawaii's Institute for Astronomy and began working with Pan-STARRS1 in 2013. Name suggested by R. and P. Jedicke.

(25159) Michaelwest = 1998 SN₅₇

Discovered 1998 Sept. 17 by the Lowell Observatory Near-Earth Object Search at the Anderson Mesa Station.

Michael West (b. 1959) is the Deputy Director for Science at Lowell Observatory. His research focuses on star clusters and galaxies. He was PI for six Hubble Space Telescope projects and has authored two books, including *A Sky Wonderful with Stars*.

(25160) Joellama = 1998 SN₅₈

Discovered 1998 Sept. 17 by the Lowell Observatory Near-Earth Object Search at the Anderson Mesa Station.

Joseph "Joe" Llama (b. 1988) is a tenure track astronomer at Lowell Observatory. He started at Lowell as a postdoc working with Evgenia Shkolnik. His research is broadly focused on stars and extrasolar planets. Joe is also an amateur photographer.

(25161) Strosahl = 1998 SR₅₈

Discovered 1998 Sept. 17 by the Lowell Observatory Near-Earth Object Search at the Anderson Mesa Station.

Susan Strosahl (b. 1960) has been an employee of Lowell Observatory since 2003. She has a degree in computer engineering. She started working in the public program and is currently working as an observer at Lowell's Navy Precision Optical Interferometer.

(25232) Schatz = 1998 TN₃₃

Discovered 1998 Oct. 14 by the Lowell Observatory Near-Earth Object Search at the Anderson Mesa Station.

Dennis Schatz (b. 1947) is an American astronomer and educator who was Vice-President of the Pacific Science Center, President & workshop leader for the Astronomical Society of the Pacific, author of 23 children's books on science, and co-developer of educational programs like Project ASTRO & Portal to the Public.

(29439) Maxfabiani = 1997 MQ₁

Discovered 1997 June 28 at Farra d'Isonzo.

Maximilian Fabiani (1865–1962), commonly known as Max Fabiani, was a central European architect and urban planner of mixed Italian-Austrian ancestry. He designed remarkable buildings in Vienna, Ljubljana, Trieste and Gorizia.

(30281) Horstman = 2000 HH₅₇

Discovered 2000 Apr. 24 by the Lowell Observatory Near-Earth Object Search at the Anderson Mesa Station.

Helen Horstman (b. 1936) is a long-time employee of Lowell Observatory, starting in 1964 and retiring in 2007. Helen served as observatory secretary, cataloged images from the Planetary Patrol, and became executive secretary to the director. Since retiring, she has volunteered in the library.

(30524) Mandushev = 2001 MY₂₄

Discovered 2001 June 16 by the Lowell Observatory Near-Earth Object Search at the Anderson Mesa Station.

Georgi Mandushev (b. 1962) is an assistant research scientist at Lowell Observatory who developed the data analysis pipeline that was instrumental in making the TrES exoplanet discoveries. He continues to follow up some TrES targets and is also responsible for the operating software for Lowell's Discovery Channel Telescope.

(30525) Lenbright = 2001 MX₂₈

Discovered 2001 June 27 by the Lowell Observatory Near-Earth Object Search at the Anderson Mesa Station.

Len Bright (b. 1957) is an observer/technical assistant at Lowell Observatory. He carried out the site characterization observations for Lowell's Discovery Channel Telescope and has primary responsibility for day-to-day operations at Lowell's Anderson Mesa site. He is currently extending his efforts into the software area.

(30533) Saeidzoonemat = 2001 OV₄

Discovered 2001 July 16 by the Lowell Observatory Near-Earth Object Search at the Anderson Mesa Station.

Saeid Zoonemat Kermani (b. 1962) is a software engineer at Lowell Observatory. He has developed all of the instrument user interface software and much of the instrument control software for Lowell's Discovery Channel Telescope. His software is also used in airborne work with HIPO on SOFIA.

(31435) Benhauck = 1999 BH₁₄

Discovered 1999 Jan. 23 by ODAS at Caussols.

Ben Hauck (b. 1978) has been an amateur astronomer for most of his life and is heavily involved in astronomy education and outreach. He is a passionate activist in the fight against climate change.

(32014) Bida = 2000 HL₆₄

Discovered 2000 Apr. 26 by the Lowell Observatory Near-Earth Object Search at the Anderson Mesa Station.

Thomas A. Bida (b. 1959) is an instrument scientist at Lowell Observatory. He has developed instruments for Lowell's Discovery Channel Telescope and for Lowell's telescopes at Anderson Mesa. He also actively pursues a program of research on Mercury's atmosphere.

(41481) Musashifuchu = 2000 QE₃₅

Discovered 2000 Aug. 28 by BATTeRS at Bisei SG Center.

Fuchu is the name of the place where Kokuhu (the ancient Japanese provincial government office) was located. Fuchu City in Tokyo Metropolis has been called Musashi Fuchu, because it was the Kokuhu of the province of Musashi. Its name symbolizes the history and culture of the city.

(41502) Denchukun = 2000 QK₁₄₇

Discovered 2000 Aug. 23 by BATTeRS at Bisei SG Center.

Denchukun is the official mascot character of Ibara city, Okayama, Japan. Its name originates from Denchu Hirakushi, a sculptor born in Ibara. Its shape represents a star in the famous Kabuki play Kagami-Jishi.

(44039) de Sahagún = 1998 DS₃₃

Discovered 1998 Feb. 27 by E. W. Elst at the European Southern Observatory.

Bernardino de Sahagún (1499–1590) was a Franciscan missionary who after arriving in Mexico in 1529 researched the indigenous cultures of the country. He believed that in order to convert the Aztecs to Christianity it was necessary to understand their gods.

(52295) Köppen = 1990 VK₄

Discovered 1990 Nov. 15 by E. W. Elst at the European Southern Observatory.

Wladimir Köppen (1846–1940) was a Russian-German botanist-climatologist. He developed the most popular system, still used, for a vegetation-based classification of the climate in different regions, a subdivision of climates into five major types, all but one defined by temperature criteria

(52387) Huitzilopochtli = 1993 OM₇

Discovered 1993 July 20 by E. W. Elst at the European Southern Observatory.

Huitzilopochtli is an Aztec god associated with the sun. His name, meaning “hummingbird of the south” came from the Aztec belief that the spirits of killed warriors followed the sun through the sky during four subsequent years. Thereafter they were transformed into hummingbirds.

(70449) Gruebel = 1999 TK₁₇

Discovered 1999 Oct. 15 by W. D. Bruton and M. L. Johnson at Nacogdoches.

Robert W. Gruebel (1924–2016) was a Professor of Physics at Stephen F. Austin State University, and a mentor, colleague and friend of the discoverer.

(72447) Polińska = 2001 DP

Discovered 2001 Feb. 16 by P. Pravec and L. Šarounová at Ondřejov.

Magdalena Polińska (b. 1981) is an assistant professor researcher at the Adam Mickiewicz University in Poznań, Poland. She specializes in photometric observations of minor solar system bodies. Her current research interests also include stellar spectroscopy and abundance analysis. Citation provided by T. Michałowski.

(84118) Bracalicioci = 2002 RE₂₆

Discovered 2002 Sept. 3 by F. Bernardi at Campo Imperatore.

Davide Bracali Cioci (b. 1986) is a celestial mechanic who graduated from the University of Pisa. He provides an important contribution in developing software for space dynamics, in particular related to asteroids and impact monitoring activities.

(85196) Halle = 1991 TG₃

Discovered 1991 Oct. 4 by F. Börngen and L. D. Schmadel at Tautenburg.

Halle (Saale) in Saxony Anhalt is a large city containing the university of Halle-Wittenberg, the academy of Art and Design, and the Franckesche foundation. It is the native town of Handel.

(85198) Weltenburg = 1991 TC₆

Discovered 1991 Oct. 2 by F. Börngen and L. D. Schmadel at Tautenburg.

The famous Benedictine Abbey in Weltenburg on the Danube is the oldest monastery in Bavaria. It was founded around 600 CE and the monks have brewed beer there since 1050. It is the world's oldest monastic brewery.

(85214) Sommersdorf = 1992 SZ₁

Discovered 1992 Sept. 21 by F. Börngen and L. D. Schmadel at Tautenburg.

Sommersdorf is a municipality in the northern part of Bavaria. Every five years since 1968, the Franconian Passion Play has been presented there on an open-air stage with 400 participants, two-thirds of whom live in the municipality.

(85216) Schein = 1992 SL₁₇

Discovered 1992 Sept. 24 by F. Börngen and L. D. Schmadel at Tautenburg.

Johann Herman Schein (1586–1630), born and died in Saxony, was cantor of Leipzig's Thomanerchor for 16 years. He belongs to the grand three "S" of baroque music in Germany: the three composers Schütz, Schein and Scheidt, were born in 1585, 1586 and 1587, respectively.

(90711) Stotternheim = 1990 TB₁₀

Discovered 1990 Oct. 10 by F. Börngen and L. D. Schmadel at Tautenburg.

Stotternheim is a village near Erfurt, where the young Martin Luther began his study. He travelled to his parents in Mansfeld. On the way back he was surprised by a heavy thunderstorm near Stotternheim. Luther vowed, if he survived, that he would become a monk.

(95951) Ernestopalomba = 2003 QG₆

Discovered 2003 Aug. 18 by F. Bernardi at Campo Imperatore.

Ernesto Palomba (b. 1967) is a planetary scientist at INAF-IAPS, active in the research of minor bodies. At the beginning of his career he was a CINEOS survey team member. His main interests are compositional studies of asteroid surfaces by means of hyperspectral images.

(95955) Claragianni = 2003 QX₃₂

Discovered 2003 Aug. 21 by E. Palomba at Campo Imperatore.

Clara Cagnacci (b. 1933) and Giannantonio Palomba (1932–2015) are the parents of the discoverer. They supported the fascination of their son for astronomy from his youth, as an amateur astronomer, to his maturity, when he obtained a permanent position as an astronomer.

(113659) Faltona = 2002 TQ₈₅

Discovered 2002 Oct. 2 by E. Palomba at Campo Imperatore.

Faltona is a rural Tuscan village located in the Pratomagno mountain range. In the past, this area was a popular crossroads dominated by the Abbey of S. Trinit, whose ruins are still present along with a medieval stone bridge.

(117384) Halharrison = 2004 YD₁₆

Discovered 2004 Dec. 18 by Mt. Lemmon Survey at Mount Lemmon.

Hal Harrison (b. 1947) is an amateur astronomer and photographer and has always been fascinated by planetary science and astronomy. His career began with his working on IBM mainframe computers and evolved along with changes in technology. He is presently head driver at Wormhole Racing.

(129982) Jeffseabrook = 1999 UJ₄₅

Discovered 1999 Oct. 31 by the Catalina Sky Survey.

Jeff Seabrook (b. 1976) is part of the altimetry team developing the capability to generate topography and shape models from the OSIRIS-REx Laser Altimeter. Prior to this, he was a graduate student who developed and deployed atmospheric ozone lidars, and part of the MET team on the Phoenix Mars Mission.

(145962) Lacchini = 1999 YH₅

Discovered 1999 Dec. 29 by V. S. Casulli at Colleverde.

Giovanni Battista Lacchini (1884–1967) was an Italian astronomer, noted for his work on variable stars. He published over 100 papers and was a founding member of the AAVSO. A crater on the farside of the moon bears his name.

(166622) Sebastien = 2002 SR₁₅

Discovered 2002 Sept. 27 by NEAT at Palomar.

Sébastien Rodriguez (b. 1976) is an assistant professor at the University of Paris Diderot and specializes in remote sensing of planetary surfaces and atmospheres. Name suggested and citation written by S. Le Mouélic.

(167976) Ormsbymitchel = 2005 GS₈

Discovered 2005 Apr. 1 by V. Reddy at Goodricke-Pigott.

Ormsby MacKnight Mitchel (1809–1862) was an astronomer who founded the Cincinnati Observatory and later became director of the Dudley Observatory. He published the first popular journal of astronomy (*The Sidereal Messenger*) in the United States and confirmed that the star Antares is a double star.

(184318) Fosaneli = 2005 GC₁

Discovered 2005 Apr. 2 by C. Rinner at Ottmarsheim.

Patrik Fosaneli (b. 1945) is an active French amateur astronomer, involved in spectroscopy research at the Osenbach Observatory. He promotes the use of spectroscopy by amateur astronomers.

(216295) Menorca = 2007 LX₁₄

Discovered 2007 June 11 at OAM Observatory, La Sagra.

Menorca is the most eastern and northern island of the Balearic Islands (Spain). It was declared a Biosphere Reserve in 1993 by UNESCO, and contains important megalithic monuments (navetas, talayots and taulas).

(226672) Kucinkas = 2004 HH₅

Discovered 2004 Apr. 16 by K. Černis and J. Zdanavicius at Moletai.

Arunas Kucinkas (b. 1967) is a professor at the Astronomical Observatory of Vilnius University. He is an expert in stellar astronomy, astrochemistry and 3D modeling of atmospheres of red giant stars. He is an author of more than 100 scientific papers and many popular science articles.

(262419) Suzaka = 2006 UK₆₃

Discovered 2006 Oct. 20 by Y. Sorimachi and A. Nakajima at Nyukasa.

Suzaka is a city of about 50 000 inhabitants located in northern Nagano prefecture. In the past it prospered from silk-reeling industries and many traditional Japanese white-walled warehouses remain.

(266465) Andalucia = 2007 OH

Discovered 2007 July 16 at OAM Observatory, La Sagra.

Andalucia (Andalusia) is an autonomous Spanish community with the largest number of inhabitants spread out over 80 000 km². The community is key to the history of southern Europe, and its ports were essential to the discovery and exploration of America.

(293383) Maignret = 2007 EZ₃₈

Discovered 2007 Mar. 11 by B. Christophe at Saint-Sulpice.

Jules Maignret, French police detective and Commissaire à la Brigade Criminelle de Paris, was a character created by writer Georges Simenon in 1931.

(303265) Littmann = 2004 RH₁₁₁

Discovered 2004 Sept. 8 by J. W. Young at Wrightwood.

Mark Littmann (b. 1939) is a professor in the School of Journalism at the University of Tennessee, where he holds the Julia G. & Alfred G. Hill Chair of Excellence in Science, Technology, and Medical Writing. He is also the author of many astronomy related texts.

(304788) Cresques = 2007 NZ₁

Discovered* 2007 July 13 at OAM Observatory, La Sagra.

Cresques Abraham (1325–1387) was a Majorcan Jewish geographer and cartographer. His *Catalan Atlas* (1375), stored in the Bibliotheque National de Paris, is considered one of the pinnacles of medieval cartographic knowledge.

(321485) Cross = 2009 SK₁₉

Discovered 2009 Sept. 18 by B. Christophe at Saint-Sulpice.

Henri-Edmond Cross (1856–1910), born Henri-Edmond-Joseph Delacroix, was a French painter and printmaker. He is most acclaimed as a master of Neo-Impressionism, and he played an important role in shaping the second phase of that movement.

(324925) Vivantdenon = 2007 WO₁

Discovered 2007 Nov. 17 by B. Christophe at Saint-Sulpice.

Dominique Vivant Baron Denon (1747–1825) was a French artist, writer, diplomat, author, and archaeologist. He was appointed as the first Director of the Louvre museum by Napoleon after the Egyptian campaign.

(330455) Anbrysse = 2007 EV₃₁

Discovered* 2005 Nov. 9 by P. De Cat at Uccle.

This name is dedicated to the people who lost their fight, those who are still fighting and the ones who will have to fight cancer. It is named after An Brysse (b. 1969), the most successful participant in 2016 of the fund-raising event “Loop naar de maan” (“Run to the moon”) for Belgian cancer research.

(331105) Giselher = 2009 XG₉

Discovered 2009 Dec. 13 by R. Kracht at Sonoita (IRO).

Dietrich Giselher Kracht (b. 1944) is the elder brother of the discoverer, who introduced him to astronomy at the observatory of the Olbers-Gesellschaft in Bremen.

(355029) Herve = 2006 RH

Discovered 2006 Sept. 1 by C. Rinner at Ottmarsheim.

Jacquinot Herve (b. 1953) is a very enthusiastic French amateur astronomer. He is also a radio ham, a private pilot and a sailor.

(366852) Ti = 2005 RL₉

Discovered 2005 Sept. 8 by J. Lacruz at La Cañada.

Teresa (“Ti”) Lacruz Martin (b. 1954) is the eldest sister of the discoverer. She is a law graduate of the Universidad Complutense de Madrid, and she works as Senior

Director of Environment, Health and Safety & Ethics at General Dynamics European Land Systems.

(371220) Angers = 2006 BD₈

Discovered 2006 Jan. 22 by J.-C. Merlin at Nogales.

Angers is a city in western France about 300 km southwest of Paris. It is chef-lieu of the Maine-et-Loire department and was, before the French Revolution, the capital of the province of Anjou. In the 5th century BCE, the Celtic people of the Andes settled in the region of Angers and gave it its name.

(403563) Ledbetter = 2010 LY₉₇

Discovered 2010 June 13 at WISE.

Lilly Ledbetter (b. 1938) is an American who fights for pay equity. Upon discovering she was being paid less than her male colleagues, she sued her employer (Goodyear). Her case inspired passage of the Lilly Ledbetter Fair Pay Act in 2009.

(424200) Tonicelia = 2007 NV₁

Discovered 2007 July 12 at OAM Observatory, La Sagra.

Antonio Celia Miro (b. 1969) is a Spanish software engineer and advanced amateur astronomer. He built his observatory in 2011, with a self-built computerized mount and an inexpensive 0.15-m Newtonian. He is interested in astrometry, photometry and in pro-am collaborations.

(449922) Bailey = 2015 OM₉

Discovered* 2010 June 9 at WISE.

Ronald W. Bailey (b. 1958) supported mission operations for NASA spacecraft including Topex, Jason and WISE/NEOWISE in a career that spanned more than 35 years.

(452307) Manawydan = 1997 XV₁₁

Discovered 1997 Dec. 5 by ODAS at Caussols.

In Welsh mythology, Manawydan ab Llŷr (son of Llŷr) was a scholar, a magician and a peaceful man.

(455739) Isabelita = 2005 JG₂

Discovered 2005 May 2 by J. Lacruz at La Cañada.

Isabel Izquierdo Lacruz (b. 1988) is the niece of the discoverer and is a 2012 graduate in sociology from the Universidad Complutense de Madrid.

(471109) Vladobahýl = 2010 CO₁₂

Discovered 2010 Feb. 12 by S. Kurti at Mayhill.

Vladimír Bahýl (b. 1948), Associate Professor Emeritus at the Technical University in Zvolen, constructed a computed tomography scanner used in dendrology. As an amateur astronomer he is a dedicated observer of variable stars, asteroids and meteors. He built his own observatory named after his granddaughter, Julia.

