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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 page or the bottom of the (second) column (in the *MPCs*).

Reference	Line(s)	
<i>MPC 7947</i>	4	<i>For Archeological read Archaeological</i> [(2512) citation]
<i>MPC 8402</i>	-18	<i>For Semoise read Semois</i> [(1787) citation]
<i>MPC 9769</i>	14	<i>For Theophile read Théophile</i> [(2795) citation]
<i>MPC 11156</i>	5	<i>For traveller read traveler</i> [(2473) citation]
<i>MPC 11156</i>	-23	<i>For Tecnicas read Técnicas</i> [(2548) citation]
<i>MPC 11160</i>	3	<i>For Zuniga read Zúñiga</i> [(3114) citation]
<i>MPC 11443</i>	20	<i>For oboeist read oboist</i> [(3415) citation]
<i>MPC 12013</i>	- 9	<i>For contruction read construction</i> [(3098) citation]
<i>MPC 14029</i>	-22	<i>For aniversary read anniversary</i> [(2848) citation]
<i>MPC 16246</i>	- 6	<i>For scholars in English read scholar of English</i> [(4039) citation]
<i>MPC 16246</i>	- 3	<i>For his articles read his novels</i> [(4039) citation]
<i>MPC 16246</i>	- 2	<i>For articles, Botchan read novels, Botchan</i> [(4039) citation]
<i>MPC 17032</i>	1	<i>For “Zigeunerbaron” read Der Zigeunerbaron</i> [(4559) citation]
<i>MPC 17659</i>	4	<i>For archeological read archaeological</i> [(4630) citation]
<i>MPC 17981</i>	-15	<i>For Ottaviano Fabrizio read Ottaviano-Fabrizio</i> [(4542) citation]
<i>MPC 19336</i>	- 3	<i>For respector read respecer</i> [(4310) citation]
<i>MPC 21134</i>	17	<i>For characterised read characterized</i> [(5254) citation]
<i>MPC 21605</i>	7	<i>For worshipper read worshiper</i> [(2211) citation]
<i>MPC 21956</i>	6 to 7	<i>For Atlases Eclipticalis, Borealis and Australis read</i> <i>Atlas Eclipticalis, Atlas Borealis and Atlas</i> <i>Australis</i> [(4567) citation]
<i>MPC 22496</i>	-48 to -47	<i>For ‘White Christmas’ and ‘Silent Night’ read</i> <i>“White Christmas” and “Silent Night”</i> [(2825) citation]

MPC 22502	–26	For counsellor read counselor [(4572) citation]
MPC 22509	–10	For travelled read traveled [(5466) citation]
MPC 23352	13	For traveller read traveler [(4468) citation]
MPC 25443	30	For “Halley’s comet” read <i>Halleyova kometa</i> (<i>Halley’s Comet</i>) [(4369) citation]
MPC 25979	– 1	For irreplaceable read irreplaceable [(6519) citation]
MPC 26765	–44	For ‘Amor and Psyche’ read <i>Amor and Psyche</i> [(6256) citation]
MPC 26765	–30 to –29	For ‘The Citizens of Calais’, ‘The Kiss’ and ‘The Thinker’ read <i>The Citizens of Calais, The Kiss and The Thinker</i> [(6258) citation]
MPC 26766	–40	For ‘Queen of Saba’ and ‘King Salomon’ read <i>Queen of Sheba and King Solomon</i> [(6535) citation]
MPC 27735	– 3	For equalled read equaled [(6758) citation]
MPC 27735	– 1	For equalling read equaling [(6758) citation]
MPC 28089	33	For airlines read airplanes [(4139) citation]
MPC 28622	43	For The Abyss read <i>The Abyss</i> [(7020) citation]
MPC 29148	12	For esthetics read aesthetics [(7014) citation]
MPC 29148	25	For <i>On Vision and Colours</i> read <i>On Vision and Colors</i> [(7015) citation]
MPC 30476	–39	For “The Sky at Night” read <i>The Sky at Night</i> [(5521) citation]
MPC 30477	30	For popularizor read popularizer [(6127) citation]
MPC 30477	–32	For artificial read artificial [(6637) citation]
MPC 31026	30	For philanthropist read philanthropist [(7537) citation]
MPC 32345	–34	For practised read practiced [(6161) citation]
MPC 32788	–10	For continous read continuous [(6711) citation]
MPC 32790	26	For “Babička” (“Granny”) read <i>Babička (Granny)</i> [(7490) citation]
MPC 32791	20	For “From Here to Eternity” read <i>From Here to Eternity</i> [(7934) citation]
MPC 33795	21 to 22	For “Mozarts Reise nach Prag” read <i>Mozart auf Reise nach Prag</i> [(9204) citation]
MPC 34341	36	For knowledgable read knowledgeable [(5682) citation]
MPC 34352	1	For <i>Magnolia wilsonii</i> read <i>Magnolia wilsonii</i> [(9365) citation]
MPC 34352	2	For <i>Lilium regale</i> read <i>Lilium regale</i> [(9365) citation]

MPC 34354	30	For Trypanosomiasis read trypanosomiasis [(9483) citation]
MPC 34354	31	For Trypanosoma Cruzi read <i>Trypanosoma cruzi</i> [(9483) citation]
MPC 34628	20	For worshipped read worshiped [(8740) citation]
MPC 34628	27 to 28	For hypersentitisation read hypersensitization [(8788) citation]
MPC 34629	-47	For Encyclopaedists read Encyclopédistes [(9389) citation]
MPC 34630	-32	For Fuchsia read <i>Fuchsia</i> [(9638) citation]
MPC 34631	48	For characterisation read characterization [(9758) citation]
MPC 35494	15 to 16	For “Descent from the Cross” read <i>Descent from the Cross</i> [(10151) citation]
MPC 36128	29	For practising read practicing [(8371) citation]
MPC 36945	31	For “Mallard” read <i>Mallard</i> [(6236) citation]
MPC 36948	-10	For “Liberty leading the people” read <i>Liberty Leading the People</i> [(10310) citation]
MPC 36948	- 9	For “Dante and Virgil in Hell” read <i>Dante and Virgil in Hell</i> [(10310) citation]
MPC 38198	-44	For Pasadena Star News read <i>Pasadena Star-News</i> [(8568) citation]
MPC 38201	- 4	For jacobian read Jacobian [(12040) citation]
MPC 39653	13 to 14	For “Monty Python's Flying Circus” read <i>Monty Python's Flying Circus</i> [(9617) citation]
MPC 39653	31	For “All You Need Is Cash” read <i>The Rutles: All You Need Is Cash</i> [(9620) citation]
MPC 39655	15	For The Seventh Seal read <i>The Seventh Seal</i> [(10378) citation]
MPC 39655	15	For Wild Strawberries read <i>Wild Strawberries</i> [(10378) citation]
MPC 40703	-28	For Techology read Technology [(9398) citation]
MPC 40704	14	For Froger read Fröger [(9496) citation]
MPC 40704	21	For Froger read Fröger [(9497) citation]
MPC 41035	-22	For artifiical read artificial [(15053) citation]
MPC 41383	-32 to -31	For “Dr. Who” in the British series of the same name read the Doctor in the British TV series <i>Doctor Who</i> [(8347) citation]
MPC 41387	19	For <i>shistosoma japonicum</i> read <i>Shistosoma japonicum</i> [(14902) citation]

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<i>MPC 41571</i>	26	<i>For “Free Access to the Ocean for all nations” read Free Access to the Ocean for all nations [(9994) citation]</i>
<i>MPC 41571</i>	27	<i>For “On the Law of War and Peace” read On the Law of War and Peace [(9994) citation]</i>
<i>MPC 41935</i>	19	<i>For Alice's adventures in Wonderland read Alice's Adventures in Wonderland [(6735) citation]</i>
<i>MPC 41935</i>	24	<i>For Alice's adventures in Wonderland read Alice's Adventures in Wonderland [(6736) citation]</i>
<i>MPC 41937</i>	42	<i>For ‘Jabberwocky’ read “Jabberwocky” [(9780) citation]</i>
<i>MPC 41937</i>	48	<i>For ‘Jabberwocky’ read “Jabberwocky” [(9781) citation]</i>
<i>MPC 42355</i>	–31	<i>For Alice's adventures in Wonderland read Alice's Adventures in Wonderland [(6136) citation]</i>
<i>MPC 42358</i>	21 to 22	<i>For Alice's adventures in Wonderland read Alice's Adventures in Wonderland [(8889) citation]</i>
<i>MPC 42360</i>	–27	<i>For “Fanciful Horizon” read Fanciful Horizon [(10215) citation]</i>
<i>MPC 42669</i>	16	<i>For “Our sky” read Our Sky [(7364) citation]</i>
<i>MPC 42669</i>	–29 to –28	<i>For “Monthly Astronomy Guide” read Monthly Astronomy Guide [(8891) citation]</i>
<i>MPC 42669</i>	–25 to –24	<i>For “Monthly Astronomy Guide” read Monthly Astronomy Guide [(9067) citation]</i>
<i>MPC 42669</i>	–15 to –14	<i>For “Monthly Astronomy Guide” read Monthly Astronomy Guide [(9074) citation]</i>
<i>MPC 42670</i>	–32	<i>For The City on the Edge of Forever read “The City on the Edge of Forever” [(10177) citation]</i>
<i>MPC 42677</i>	–49	<i>For experimentator read experimenter [(19291) citation]</i>
<i>MPC 42678</i>	–13 to –12	<i>For “Moravian Folk Songs” read Moravian Folk Songs [(21229) citation]</i>
<i>MPC 43190</i>	43	<i>For astromomical read astronomical [(9960) citation]</i>
<i>MPC 43762</i>	–39	<i>For Alice's adventures in Wonderland read Alice's Adventures in Wonderland [(17670) citation]</i>
<i>MPC 44594</i>	–17	<i>For Alice's adventures in Wonderland read Alice's Adventures in Wonderland [(17627) citation]</i>
<i>MPC 44594</i>	3	<i>For habeas corpus read habeas corpus [(19407) citation]</i>

MPC 45234	45	For is father in-law read is the father-in-law [(12306) citation]
MPC 45234	– 7	For Alice's adventures in Wonderland read Alice's Adventures in Wonderland [(17472) citation]
MPC 45236	17	For reseacher read researcher [(25604) citation]
MPC 45340	38	For organised read organized [(17893) citation]
MPC 45341	25	For signficiant read significant [(21985) citation]
MPC 45341	31	For populatization of astromomy read popularization of astronomy [(22401) citation]
MPC 45342	20	For pressurised read pressurized [(26661) citation]
MPC 45344	–36 to –35	For machanics read mechanics [(30306) citation]
MPC 47165	–20	For (1430–1494) read (c. 1430–1494) [(9562) citation]
MPC 47165	–20 to –19	For Bruges School read Bruges School [(9562) citation]
MPC 47302	10 to 11	For Sukini Natte Yokatta read “Sukini Natte Yokatta” [(27003) citation]
MPC 48154	– 3	For Muenster read Münster [(9327) citation]
MPC 48157	–36	For A.D.. read A.D. [(13804) citation]
MPC 48389	8	For in-situ read in-situ [(8906) citation]
MPC 48393	34	For “Southern Cross” read Southern Cross [(11778) citation]
MPC 49097	–22	For Nocturne in C# read Nocturne in C# [(9973) citation]
MPC 49283	–47	For “Anpanman” read Anpanman [(46643) citation]
MPC 50248	36	For Froger read Fröger [(4269) citation]
MPC 53954	–33	For Nathan der Weise read “Nathan der Weise” [(24665) citation]
MPC 55988	–44	For band “The Comets” read band The Comets [(79896) citation]
MPC 55988	–43 to –42	For Rock Around the Clock. On 2005 July 5, “The Comets” read “Rock Around the Clock”. On 2005 July 5, The Comets [(79896) citation]
MPC 55989	47	For Fachgruppe Kometen read Fachgruppe Kometen [(112233) citation]

MPC 56611	– 4	For <i>J'attendrai</i> (1938), <i>Sombreros et Mantilles</i> (1938) and <i>Montevideo read</i> “J'attendrai” (1938), “Sombreros et Mantilles” (1938) and “Montevideo” [(6705) citation]
MPC 59922	20	For <i>practised read</i> practiced [(14927) citation]
MPC 61767	–20	For <i>Ming-yue-ji-shi-you read</i> “Ming-yue-ji-shi-you” [(145588) citation]
MPC 64563	48	For <i>appreciateid by the city's intelligentia read</i> appreciated by the city's intelligentsia [(13044) citation]
MPC 64563	48 to 49	For <i>Ik wil deze nacht in de straten verdwalen read</i> “Ik wil deze nacht in de straten verdwalen” [(13044) citation]
MPC 64563	–43	For <i>Blance and his horse read</i> “Blance and his horse” [(13045) citation]
MPC 65714	30 to 33	Replace citation for (207901) with: The Tzec Maun Foundation provides free access to remote-controlled telescopes. This is the first minor planet discovered at an observatory of the Tzec Maun Foundation to be numbered.
MPC 66242	–12	For <i>Praho jediná read</i> “Praho jediná” [(27960) citation]
MPC 66245	33	For <i>Epoigny read</i> Époigny [(198993) name]
MPC 66245	35	For <i>Epoigny read</i> Époigny [(198993) citation]
MPC 67216	27	For <i>installated read</i> installed [(6098) citation]
MPC 67217	4	For <i>moutain read</i> mountain [(11926) citation]
MPC 67219	13	For <i>practised read</i> practiced [(79117) citation]
MPC 67220	–37	For <i>Viehboeck read</i> Viehböck [(214911) name]
MPC 67220	–35	For <i>Viehboeck read</i> Viehböck [(214911) citation]
MPC 67763	7	For <i>Humfernandez read</i> Humfernández [(196476) name]
MPC 67763	9	For <i>Fernandez read</i> Fernández [(196476) citation]
MPC 68450	–21 to –20	For <i>writer, born in Kobe (Japan), where her father was an ambassador. read</i> writer. [(227641) citation]
MPC 68450	–20	For <i>Stupeurs et tremblements read</i> <i>Stupeur et tremblements</i> [(227641) citation]
MPC 69496	19	For <i>Fère (1595–1661) is read</i> Fère is [(227930) citation]
MPC 70407	36	For <i>Aratea read</i> “Aratea” [(10208) citation]

MPC 70407	36	For <i>Phaenomena</i> read “Phaenomena” [(10208) citation]
MPC 70410	– 4	For Gilles read Giles [(207666) citation]
MPC 71352	5	For <i>Gentse Floraliēn</i> read <i>Gentse Floraliēn</i> [(189188) citation]
MPC 71352	42	For Zalgiris read Žalgiris [(210147) name]
MPC 71352	44	For Zalgiris read Žalgiris [(210147) citation]
MPC 72200	46	For is small read is the small [(35269) citation]
MPC 73985	27 to 30	Delete the name and citation for (235281)
MPC 75351	– 2	For organised read organized [(51261) citation]
MPC 75354	– 6	For “Astronomy reports” read <i>Astronomicheskii Zhurnal (Astronomy Reports)</i> [(269485) citation]
MPC 75549	41	For centre read center [(29186) citation]
MPC 78270	– 2 to – 1	For “Chichi no koyomi” (“Le journal de mon pere”), “Bocchan no jidai” (“Au temps de Botchan”) and “Harukana machi-e” (“Quartier lointain”) read <i>Chichi no Koyomi (Le journal de mon père)</i> , <i>Bocchan No Jidai (Au temps de Botchan)</i> and <i>Haruka na Machi e (Quartier lointain)</i> [(88071) citation]
MPC 78271	–17	For Spirou, Tintin and Pilote read <i>Spirou, Tintin and Pilote</i> [(236463) citation]
MPC 78271	–17	For L’Echo des Savanes read <i>L’Echo des Savanes</i> [(236463) citation]
MPC 79106	31	For “Modern Cosmology” read <i>Modern Cosmology</i> [(148707) citation]
MPC 79421	2	For whcih read which [(19470) citation]
MPC 79424	–31	For CO2 read CO ₂ [(23744) citation]
MPC 79910	–35	For modelling read modeling [(28107) citation]
MPC 79910	–34	For acknowledgement read acknowledgment [(28107) citation]
MPC 79913	21	For “Third Fundamental Catalogue (FK3)” read <i>Third Fundamental Catalogue (FK3)</i> [(236111) citation]
MPC 81058	–19	For Spacestories.com read <i>Spacestories.com</i> [(6726) citation]
MPC 81059	5	For popularising read popularizing [(9415) citation]
MPC 81070	28	For Popocatepetl read Popocatépetl [(37471) name]
MPC 81934	22	For Cesky Krumlov read Český Krumlov [(136666) citation]

MPC 84377	49	For D.I. read D. I. [(7101) citation]
MPC 84382	-25	For (1986–2003) read (1986–2013) [(199688) citation]
MPC 85913	9	For “Constellations” read <i>Constellations</i> [(4329) citation]
MPC 86714	-14	For François read François [(26275) citation]
MPC 87546	3	For PhD. read Ph.D. [(171171) citation]
MPC 88405	-10 to - 9	For sheparticipated read she participated [(12636) citation]
MPC 89085	-26 to -25	For well-recognised read well-recognized [(152299) citation]
MPC 89388	12	For Ibarakishinbun read <i>Ibarakishinbun</i> [(9422) citation]
MPC 90378	1 to 2	For De Verrukking (The Ecstasy, read <i>De Verrukking (The Ecstasy</i> , [(10074) citation]
MPC 91790	39	For “Star Gazers” read <i>Star Gazers</i> [(8815) citation]
MPC 91791	32	For honoured read honored [(19282) citation]
MPC 93067	24	For centres read centers [(9419) citation]
MPC 93067	30	For “Castles in Ibaraki Prefecture” read <i>Castles in Ibaraki Prefecture</i> [(9424) citation]
MPC 93067	-34	For (1952) read (b. 1952) [(16000) citation]
MPC 93068	-42	For Moleson read Moléson [(221712) name]
MPC 93068	-40	For Moleson read Moléson [(221712) citation]
MPC 94386	23	For Haemophilus influenzae read <i>Haemophilus influenzae</i> [(28078) citation]
MPC 94741	31	For GIOTTO, HIPPARCOS, ROSETTA and PLANCK read Giotto, Hipparcos, Rosetta and Planck [(257371) citation]
MPC 97568	16	For Archeology read Archaeology [(9650) citation]
MPC 100606	-29	For annualtelescope read annual telescope [(21336) citation]
MPC 101206	-19 to -18	For Gladiator, The Last Samurai and Penny Dreadful read <i>Gladiator, The Last Samurai and Penny Dreadful</i> [(107379) citation]
MPC 103024	-19	For Solanaceae read Solanaceae [(22280) citation]
MPC 103026	-32	For Landau/Pfalz read Landau in der Pfalz [(73699) citation]
MPC 103027	-33	For Ivezic read Ivezić [(176014) citation]
MPC 103027	-32	For Zeljko Ivezic read Željko Ivezić [(176014) citation]

MPC 103030	-23	For “In Vlaamse Velden” (“In Flanders Fields”) read <i>In Vlaamse Velden (In Flanders Fields)</i> [(23691) citation]
MPC 103030	- 7	For Ivezic read Ivezic [(176380) citation]
MPC 103030	- 6	For Zeljko Ivezic read Željko Ivezic [(176380) citation]
MPC 103973	-21	For Blade Runner, Total Recall and Minority Report read <i>Blade Runner, Total Recall</i> and <i>Minority Report</i> [(9004) citation]
MPC 103973	-16	For “I Know Why the Caged Bird Sings” read <i>I Know Why the Caged Bird Sings</i> [(9011) citation]
MPC 103977	9 to 10	For Il Messaggero and La Gazzetta dello Sport read <i>Il Messaggero</i> and <i>La Gazzetta dello Sport</i> [(10699) citation]
MPC 103980	-42	For metres read meters [(21054) citation]
MPC 105277	- 5	For “Star Trek” read <i>Star Trek</i> [(31556) citation]
MPC 106501	- 9	For A Japanese read Kalafina is a Japanese [(40775) citation]
MPC 106501	- 8	For “Kara no Kyoukai” read <i>Kara no Kyoukai</i> [(40775) citation]
MPC 106501	- 7	For “The Garden of Sinners” read <i>The Garden of Sinners</i> [(40775) citation]
MPC 107120	-11	For “Kalafina” read Kalafina [(41199) citation]
MPC 107120	-11	For “FictionJunction” read FictionJunction [(41199) citation]
MPC 107120	- 7	For “Kalafina” read Kalafina [(42271) citation]
MPC 107120	- 7	For “FictionJunction” read FictionJunction [(42271) citation]
MPC 107120	- 3	For “Kalafina” read Kalafina [(44475) citation]
MPC 107121	14	For “Kalafina” read Kalafina [(47466) citation]
MPC 107122	4	For modelling read modeling [(278225) citation]
MPC 109631	- 1	For “Elfen Lied” read <i>Elfen Lied</i> [(49382) citation]
MPC 110615	15	For planetarium.This read planetarium. This [(21114) citation]
MPC 110615	-38	For “le temps l’horloge” read <i>Le temps l’horloge</i> [(31249) citation]
MPC 110635	-48	For “Gojira” read <i>Gojira</i> [(101781) citation]
MPC 110638	- 3	For Kestutis read Kęstutis [(212977) citation]

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MPC 111801	6	For Alien, The Fifth Element, Heavy Metal, the Abyss and Tron read <i>Alien, The Fifth Element, Heavy Metal, The Abyss and Tron</i> [(109435) citation]
MPC 111801	20	For “Your Name” read <i>Your Name</i> [(113405) citation]
MPC 112433	28	For centre read center [(104020) citation]
MPC 118219	–10	For nee read née [(29701) citation]
Bull. 1, #1, 21	5	For Radio3Scienza read <i>Radio3Scienza</i> [(112338) citation]
Bull. 1, #11, 8	9	For Radio3Scienza read <i>Radio3Scienza</i> [(112527) citation]
Bull. 2, #2, 8	7	For Andromeda read <i>Andromeda</i> [(176981) citation]
Bull. 2, #4, 9	9	For 160 m.. read 160 m. [(299777) citation]
Bull. 3, #3, 17	6	For stars.. read stars. [(567010) citation]
Bull. 3, #9, 14	–19	For specialises read specializes [(30226) citation]
Bull. 3, #12, 17	2	For CSS read OAM

New Names of Minor Planets

The following new names of minor planets have been approved by the WGSSN. 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.

(14950) Alexandradelbo = 1996 BE₂

Discovery: 1996-01-18 / S. Ueda, H. Kaneda / Kushiro / 399

Alexandra Delbo (b. 2020) is the daughter of planetary scientists Marco Delbo and Chrysa Avdellidou. She was born as her father remotely observed this asteroid that was a target of her mother’s NASA Infrared Telescope Facility program.

(17037) Danfleisch = 1999 FV₁₀

Discovery: 1999-03-16 / Spacewatch / Kitt Peak / 691

Dan Fleisch (b. 1951) is an American astronomer and Emeritus Professor of Physics at Wittenberg University specializing in electromagnetics and space physics. He has authored six *Student's Guides* books with Cambridge University Press, was Ohio's Professor of the Year in 2010, and was the Grand Canyon National Park's winter 2022 Astronomer in Residence.

(20023) Jackmegas = 1992 AR

Discovery: 1992-01-09 / E. F. Helin / Palomar / 675

Jack Megas (b. 1946) is a long-time planetarium educator at the Springfield Science Museum in Massachusetts, USA. He is a past president of the Springfield STARS Club and is a founder of the Connecticut River Valley Astronomers Conjunction. For decades, he has been sharing his knowledge and love of astronomy with the public.

(20025) Petronaviera = 1992 DU₇

Discovery: 1992-02-29 / UESAC / La Silla / 809

Petrona Viera (1895–1960), was a deaf Uruguayan painter, recognized for being the first female professional painter in Uruguay and for her participation in the Planismo movement. Her world, in silence, was expressed in multiple works that today are part of Uruguay's heritage.

(24825) Ebeshireiko = 1995 QB₂

Discovery: 1995-08-21 / K. Endate, K. Watanabe / Kitami / 400

Reiko Ebeshi (b. 1958) is a Japanese amateur astronomer. She is a planetarium commentator and is known for her radio personality, “Reiko Iizuka's Starry Sky Guide”. She is the head of the Japan Astronomical Education Promotion Research Group's Exoplanet Naming Assistance Working Group, which started in 2015.

(24841) Imatani = 1995 UY₈

Discovery: 1995-10-30 / K. Endate, K. Watanabe / Kitami / 400

Takuro Imatani (b. 1968) is a Japanese electrical engineer and amateur astronomer. He is the leader of the Osaka branch of the non-profit organization Oriental Astronomical Association (founded in 1920) and is known as an astronomy popularizer. He is also interested in planetary defense.

(28116) Kunovac = 1998 SP₅₆

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

Vedad Kunovac (b. 1992) is an exoplanet astronomer specializing in the spin-orbit alignment of exoplanetary systems. He was a Postdoctoral Researcher at Lowell Observatory working with Joe Llama. Vedad was born in Bosnia but was raised in Norway.

(31948) Marciarieke = 2000 GH₁₁₀

Discovery: 2000-04-02 / LONEOS / Anderson Mesa / 699

Marcia Jean Rieke (b. 1951) is an American astronomer at the University of Arizona. She and her colleagues have observed galaxies, star clusters, and many other sources with infrared telescopes, and she has been a leader in developing infrared cameras and detectors for space-based observatories, including Spitzer, Hubble and James Webb.

(32584) Michaelcollins = 2001 QW₁₀₅

Discovery: 2001-08-18 / LONEOS / Anderson Mesa / 699

Michael Collins (b. 1957) is an Electronics Specialist and longtime occultation chaser at Lowell Observatory, USA. He joined Lowell after a 30-plus year career in the electronics industry and has been a key multidisciplinary member of the observatory covering all aspects of astronomical instrumentation.

(32617) TiegS = 2001 QY₂₈₃

Discovery: 2001-08-18 / LONEOS / Anderson Mesa / 699

Jake TiegS (b. 1972) is the Mechanical Technician II for the Lowell Discovery Telescope and Safety Officer for Lowell Observatory, USA. Jake is vital for continued successful operations and support of the Lowell Discovery Telescope. He has also improved safety for the entire observatory by increasing awareness and implementing safety procedures.

(32619) Lynnsawyer = 2001 QC₂₉₅

Discovery: 2001-08-24 / LONEOS / Anderson Mesa / 699

Lynn Sawyer (b. 1961) is the Philanthropy Assistant at Lowell Observatory located in the USA. She handles all of the donations and efficiently enters the data into Lowell's donor management software. She also provides general administrative support to the Philanthropy Department.

(35353) Nadappravcová = 1997 RW₉

Discovery: 1997-09-08 / P. Pravec / Ondřejov / 557

Nad'a Pravcová (b. 1997) is a daughter of the discoverer. She has obtained Bachelor Degrees in both molecular biology and Japanology. She continues her studies of the Japanese language and culture. Discussions with her have been always inspirational for the discoverer.

(40104) Stevekerr = 1998 QE₄

Discovery: 1998-08-17 / J. Broughton / Reedy Creek / 428

Australian amateur astronomer Steve Kerr (b. 1969) is an active observer of occultations who has written many articles on the subject. He was the obvious choice to become director of the Trans-Tasman Occultation Alliance when that position became available in 2015.

(43792) Nobutakagoto = 1990 VY₁

Discovery: 1990-11-11 / T. Seki / Geisei / 372

Nobutaka Goto (b. 1966) is engaged in the production of telescopes and planetariums. He promotes astronomy among the public by organizing public lectures and viewing nights.

(54610) Toichisakata = 2000 RG₅₂

Discovery: 2000-09-06 / BATTeRS / Bisei SG Center / 300

Toichi Sakata (b. 1948) contributed to the promotion of science and technology in Japan. In addition, during his tenure as the President of the Japan Space Forum, he made a great contribution to the development of asteroid observation and debris observation, and worked hard to operate the Bisei Spaceguard Center.

(63498) Whitehead = 2001 OQ₆₅

Discovery: 2001-07-28 / J. Broughton / Reedy Creek / 428

Gustave Whitehead (1874–1927) was a German-born American aeronautical engineer, aviation pioneer and inventor. In 1901 he reportedly made controlled powered flights covering significant distances in his bat-like aircraft, over two years before the Wright brothers first flew. Aviation buffs have successfully flown in modern replicas of his craft.

(100084) Gußmann = 1992 SY₁₃

Discovery: 1992-09-26 / F. Börngen, L. D. Schmadel / Tautenburg / 033

Ernst-August Gußmann (b. 1933) is a German theoretical astrophysicist based in Potsdam. His special field was stellar atmospheres. As co-founder and first chairman of the Förderverein Großer Refraktor Potsdam, he was instrumental in ensuring that the fourth largest refractor in the world and its dome were fully restored.

(113626) Centorenazzo = 2002 TZ₆₅

*Discovery: 2002-10-04 / F. Bernardi * / Campo Imperatore / 599*

Renazzo is part of the municipality of Cento, in the Emilia Romagna region in Italy. A meteorite fell there on 1824 January 15, leaving three large fragments that had great scientific value.

(121336) Žiarnadhronom = 1999 TF₆

Discovery: 1999-10-06 / L. Kornoš, J. Tóth / Modra / 118

Žiar nad Hronom is a town in central Slovakia by the river Hron. The town was built in the 20th century, but has a rich history with the old name of Holy Cross. Astronomy has been represented by the astronomy club since 1973, and later an observatory and planetarium, one of the most modern in Slovakia, was established.

(157599) Verdery = 2005 VK₉₃

Discovery: 2005-11-06 / Mt. Lemmon Survey / Mount Lemmon / G96

Roy Verdery III (b. 1947) is an American physician and scientist. His research includes the effects of caloric restrictions on the crew during a two-year period while they were sealed in Biosphere-2. The results of the research have implications for long duration human space flights.

(187410) Anitabrockie = 2005 VT₆₀

Discovery: 2005-11-05 / Mt. Lemmon Survey / Mount Lemmon / G96

Anita Brockie (b. 1959) is the memory care director and a nurse at a senior living facility in Tucson, Arizona. She epitomizes expertise and humanity in the treatment of dementia patients and the support of their families.

(202907) Meisenheimer = 1996 RH₁

Discovery: 1996-09-04 / U. Carsenty, S. Mottola / La Silla / 809

German astronomer Klaus Meisenheimer (1951–2023) was a long-time staff member of the Max Planck Institute for Astronomy, Heidelberg. He developed innovative instrumentation and pioneering observational programs, especially for the study of active galaxies. He was a most ambitious, successful and dedicated mentor.

(216368) Hypnomys = 2008 AS₁₀₁

Discovery: 2008-01-14 / OAM / Costitx / 620

Hypnomys is an extinct genus of giant rodents, belonging to the family Gliridae, that existed in the Balearic Islands until c. 2000 BCE.

(357148) El-Maarry = 2002 CZ

Discovery: 2002-02-02 / ADAS / Cima Ekar / 209

Mohamed Ramy El-Maarry (b. 1981) is an Egyptian planetary scientist and director of the Space and Planetary Science Center at the Khalifa University (UAE). His research focuses on the geomorphology of planetary surfaces and associated physical processes, using analysis of remote sensing data from space missions, modeling, and lab and field work.

(379732) Oklay = 2011 GY₅₄

Discovery: 2002-01-08 / ADAS / Cima Ekar / 209

Nilda Oklay (b. 1981) is a Turkish planetary scientist. She has contributed to numerical modeling of impacts on asteroids at the Max Planck Institute for Solar System Research (Germany), and has described the distribution and evolution of volatile material on cometary surfaces by analyzing and interpreting data from the Rosetta mission.

(384584) Jenniferlawrence = 2010 JL₈₅

Discovery: 2010-01-16 / WISE / WISE / C51

Jennifer Lawrence (b. 1990) is an Academy Award-winning American actress who made her film breakthrough in the movie *Winter's Bone*, for which she was nominated for a Golden Globe. She starred in the X-Men film series and The Hunger Games films, along with *American Hustle* and *Don't Look Up*. She is a noted feminist.

(395124) Astonepia = 2009 XX₇

*Discovery: 2009-12-10 / L. Tesi, G. Fagioli * / San Marcello / 104*

Pia Astone (b. 1960) is an Italian physicist. She is a Director of Research at the Istituto Nazionale di Fisica Nucleare, Rome Sapienza. She is an expert in gravitational-wave searches and a member of the LIGO/Virgo/KAGRA collaboration, of which she has been scientific coordinator.

(470324) Debbanci = 2007 QX₃

*Discovery: 2007-08-16 / L. Tesi, G. Fagioli * / San Marcello / 104*

Debora Banci (b. 1970) is an Italian psychologist and member of the GAMP amateur astronomy group. She is very interested in the telescopic observation of galaxies.

(547664) Ozdín = 2010 UR₂₉

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

Daniel Ozdín (b. 1972) is a Slovak mineralogist dealing with the study of meteorites, he described several new meteorites and hitherto unknown minerals. He is the founder of the Slovak Mineralogical Society and the Mineralogical Museum of the Comenius University in Bratislava, and is the author of more than 340 scientific publications.

(550832) Silvanacopceski = 2012 TZ₂₃₅

Discovery: 2007-07-07 / R. Holmes / Charleston / H55

Silvana Copceski (b. 1976) is the coordinator of the asteroid search program in Brazil. Working with the International Astronomical Search Collaboration, she has organized 12 000 students a year who search for and successfully discover asteroids. Name suggested by P. Miller.

(600867) Kinghu = 2012 RV₄

*Discovery: 2007-07-21 / C.-S. Lin, Q.-z. Ye * / Lulin / D35*

King Hu (1932–1997) is one of the most important film directors in Taiwan. He is best known for directing various wuxia films in the 1960s and 1970s, which brought Hong Kong and Taiwanese cinema to new technical and artistic heights. His films *Dragon Inn* (1967) and *A Touch of Zen* (1970–1971) inaugurated a new generation of wuxia films in the late 1960s.

(614470) Flordeneu = 2009 ST₁₉

Discovery: 2009-09-16 / J. M. Bosch / SM Montmagastrell / B74

Flordeneu is a mythological character from the epic 1886 poem “Canigó”, by Jacint Verdaguer. The poem is one of the most important of the Renaissance of the Catalan language and culture.

(622398) Fraser = 2013 TF₁₉

*Discovery: 2013-08-31 / M. Kusiak, M. Żołnowski * / Tincana / D03*

Elizabeth Davidson Fraser (b. 1963) is a Scottish singer, songwriter and musician. Her signature voice was the most distinctive feature of the legendary band Cocteau Twins. She appeared in many artistic projects, including This Mortal Coil and a performance with Massive Attack.

(623826) Alekseyvarkin = 2022 WY₁₆

Discovery: 2022-11-24 / F. D. Romanov / La Palma-Liverpool / J13

Aleksey Makarovich Varkin (1923–1986) was a great-grandfather of the discoverer. He was a Mordvin, born in Sabanovo, near Penza (Russia). During World War II, he was wounded while rescuing horses and received an award for this act. He raised three children; his pregnant wife died in a bus accident.

(623827) Nikandrilyich = 2022 WY₁₇

Discovery: 2022-11-23 / F. D. Romanov / La Palma-Liverpool / J13

Nikandr Ilyich Romanov (1916–1999) was a great-grandfather of the discoverer. He was a Chuvash, born in Kozhikovo, near Cheboksary. He studied at veterinary and military schools. After military service, he worked as a foreman. He and his wife raised four children. After retiring, he was a beekeeper in Chuguevka, Primorsky Krai, Russia.

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 (in reverse chronological order)

C/2023 R1 (PANNSTARRS)		<i>MPEC 2023-R197</i>
P/2023 O2 (PANSTARRS)		<i>MPEC 2023-Q142</i>
C/2023 P1 (Nishimura)	*	<i>MPEC 2023-P87</i>
P/2015 XG ₄₂₂ (PANSTARRS)		<i>MPEC 2023-P35</i>
P/2023 O1 (Siding Spring)		<i>MPEC 2023-O89</i>
P/2023 H6 (LINEAR-Grauer)		<i>MPEC 2023-O88</i>
P/2023 M4 (ATLAS)		<i>MPEC 2023-O51</i>
C/2023 F3 (ATLAS)		<i>MPEC 2023-O43</i>
P/2023 M2 (PANSTARRS)		<i>MPEC 2023-N15</i>
P/2023 M1 (PANSTARRS)		<i>MPEC 2023-M65</i>
C/2023 H5 (Lemmon)		<i>MPEC 2023-M44</i>
C/2023 K1 (ATLAS)		<i>MPEC 2023-L18</i>
C/2023 H3 (PANSTARRS)		<i>MPEC 2023-K195</i>
C/2023 H2 (Lemmon)		<i>MPEC 2023-K122</i>
C/2022 V2 (Lemmon)		<i>MPEC 2023-K121</i>
464P/2014 OL ₄₆₅ (PANSTARRS)		<i>MPEC 2023-K66</i>
C/2023 F2 (SOHO)		<i>MPEC 2023-K45</i>
C/1808 R1 (Pons)		2023-05-16
C/2023 H1 (PANSTARRS)		<i>MPEC 2023-J101</i>
C/1951 G2 = C/1952 C1 (Groeneveld-Palomar)		<i>MPEC 2023-J76</i>
463P/2018 HT ₃ (NEOWISE)		<i>MPEC 2023-J12</i>
P/2022 BV ₉ (Lemmon)		<i>MPEC 2023-H240</i>
C/2020 H11 (PANSTARRS-Lemmon)		<i>MPEC 2023-H237</i>
461P/2010 OE ₁₀₁ = P/2021 LJ ₃₁ (WISE)		<i>MPEC 2023-H227</i>
C/2023 F1 (PANSTARRS)		<i>MPEC 2023-H184</i>
C/2022 JK ₅ (PANSTARRS)		<i>MPEC 2023-H180</i>

459P/2010 VH ₉₅ (Catalina)		MPEC 2023-F167
C/1971 M1 (Edwards)		MPEC 2023-F148
C/2023 C2 (ATLAS)		MPEC 2013-F141
458P/2023 C1 = P/2016 C3 (Jahn)	*	MPEC 2023-F121
C/1951 G1 (Groeneveld)		MPEC 2023-F18
C/2023 E1 (ATLAS)		MPEC 2023-E59
C/2023 A3 (Tsuchinshan-ATLAS)		MPEC 2023-D77
C/2018 S3 (TESS)		MPEC 2023-D54
C/2023 A2 (SWAN)		MPEC 2023-D49
P/2023 B3 (PANSTARRS)		MPEC 2023-D10
P/2021 PE ₂₀ (ATLAS)		MPEC 2023-C66
C/2022 T1 (Lemmon)		MPEC 2023-C52
C/2023 B2 (ATLAS)		MPEC 2023-C44
C/2022 Y2 (Lemmon)		MPEC 2023-B225
P/2023 B1 (PANSTARRS)		MPEC 2023-B118
C/2023 A1 (Leonard)		MPEC 2023-B66
C/2022 Y1 (Hogan)		MPEC 2023-A37
C/2022 W3 (Leonard)		MPEC 2023-A29
C/2022 W2 (ATLAS)		MPEC 2023-A28
454P/2022 U5 = P/2013 W3 (PANSTARRS)		MPEC 2022-W234
P/2022 W1 (Rankin)		MPEC 2022-W159

Recent Numberings

466P/2015 T3 = P/2023 M3 (PANSTARRS)	MPC 163244
465P/2008 L2 = P/2023 L1 (Hill)	MPC 163244
464P/2014 OL ₄₆₅ (PANSTARRS)	MPC 163244
463P/2018 HT ₃ (NEOWISE)	MPC 163244
462P/2022 M1 = P/2000 OZ ₂₁ (LONEOS-PANSTARRS)	MPC 163244
461P/2010 OE ₁₀₁ = P/2021 LJ ₃₁ (WISE)	MPC 163244
460P/2016 BA ₁₄ = P/2020 U6 (PANSTARRS)	MPC 162027
459P/2010 VH ₉₅ (Catalina)	MPC 162027
458P/2023 C1 = P/2016 C3 (Jahn)	MPC 162027
457P/2020 O1 = P/2016 N7 (Lemmon-PANSTARRS)	MPC 162027
456P/2021 L4 = P/2012 Q3 (PANSTARRS)	MPC 160359
455P/2017 S9 = P/2011 Q5 = P/2022 R7 (PANSTARRS)	MPC 160359
454P/2022 U5 = P/2013 W3 (PANSTARRS)	MPC 160359
453P/2022 V1 = P/2010 BN ₁₀₉ (WISE-Lemmon)	MPC 160359
452P/2003 CC ₂₂ = P/2022 B5 (Sheppard-Jewitt)	MPC 158523
451P/2007 A2 = P/2006 WY ₁₈₂ = P/2022 S2 (Christensen)	MPC 158523
450P/2004 A1 = P/2022 Q3 (LONEOS)	MPC 158523
449P/2020 S6 = P/1987 A2 = P/2013 Y3 (Leonard)	MPC 158523

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 24447 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. Elmegreen, *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.

