



# WGSSBN Bulletin



Volume 4, #11

2024 August 15

Published on behalf of the International Astronomical Union (98-bis Blvd Arago, F-75014 Paris, France) by the WG Small Bodies Nomenclature.

ISSN 2789-2603

Cover image: “Moonrise over Dinkinesh”: (152830) Dinkinesh and its satellite (152830) Dinkinesh I (Selam) imaged by the Lucy spacecraft's L'LORRI camera on November 1, 2023, at a range of ~430 km. (NASA/Goddard/SwRI/Johns Hopkins APL/NOIRLab)

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<a href="#"><u>(588108) Boteripop = 2007 JX</u></a> .....	<a href="#"><u>22</u></a>
<a href="#"><u>(589780) Ajka = 2010 TT58</u></a> .....	<a href="#"><u>22</u></a>
<a href="#"><u>(601036) Sassflóra = 2012 UO67</u></a> .....	<a href="#"><u>22</u></a>
<a href="#"><u>(622577) Miorița = 2014 LU14</u></a> .....	<a href="#"><u>22</u></a>
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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</i> 19338	15	<i>For</i> violonist <i>read</i> violinist [(4571) citation]
<i>MPC</i> 30100	-12 to -11	<i>For Journal</i> of the British Astronomical Association <i>read Journal of the British Astronomical Association</i> [(7239) citation]
<i>MPC</i> 34353	- 6	<i>For</i> Uruguaian <i>read</i> Uruguayan [(9478) citation]
<i>MPC</i> 34630	25	<i>For</i> committed <i>read</i> committed [(9479) citation]
<i>MPC</i> 34631	11	<i>For</i> italianate <i>read</i> Italianate [(9664) citation]
<i>MPC</i> 35492	-10	<i>For</i> suggesttion <i>read</i> suggestion [(9969) citation]
<i>MPC</i> 36948	-10	<i>For</i> “Liberty leading the people” <i>read</i> <i>Liberty leading the people</i> [(10310) citation]
<i>MPC</i> 36949	33	<i>For</i> magnificent <i>read</i> magnificent [(10523) citation]
<i>MPC</i> 42359	46	<i>For</i> counsellor <i>read</i> counselor [(9584) citation]
<i>MPC</i> 43042	35	<i>For</i> unequalled <i>read</i> unequaled [(8749) citation]
<i>MPC</i> 46112	31	<i>For</i> metres <i>read</i> meters [(29736) citation]
<i>MPC</i> 50248	-26 to - 25	<i>For Journal</i> of the British Astronomical Association <i>read Journal of the British Astronomical Association</i> [(7966) citation]
<i>MPC</i> 60298	17	<i>For</i> defence <i>read</i> defense [(8818) citation]
<i>MPC</i> 64312	- 9 to - 8	<i>For</i> <i>Watashi to Kotori to Suzu to (Bird, Bell and I)</i> <i>read</i> “Watashi to Kotori to Suzu to” (“Bird, Bell and I”) [(100309) citation]

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<i>MPC 64312</i>	- 8	<i>For Tairyō (Big Catch of Fish) read “Tairyō” (“Big Catch of Fish”)</i> [(100309) citation]
<i>MPC 66243</i>	-43	<i>For “Superfly” read Superfly</i> [(91907) citation]
<i>MPC 66243</i>	-43	<i>For Hello Hello read “Hello Hello”</i> [(91907) citation]
<i>MPC 71351</i>	10	<i>For counsellor read counselor</i> [(91604) citation]
<i>MPC 71352</i>	-43	<i>For archeoastronomy read</i> archeoastronomy [(214180) citation]
<i>MPC 84378</i>	41	<i>For prima donna read prima donna</i> [(233893) citation]
<i>MPC 84378</i>	-33	<i>For prima donnas read prime donne</i> [(274810) citation]
<i>MPC 84378</i>	-42	<i>For theatres read theaters</i> [(274810) citation]
<i>MPC 89388</i>	-33	<i>For “Sur les inégalités de la lumière des</i> <i>satellites de Jupiter” read Sur les</i> <i>inégalités de la lumière des satellites</i> <i>de Jupiter</i> [(100229) citation]
<i>MPC 89836</i>	13	<i>For archeoastronomy read</i> archeoastronomy [(296819) citation]
<i>MPC 91793</i>	19	<i>For Website “L'Etoile Des Enfants” read</i> <i>L'Etoile Des Enfants</i> website [(294295) citation]
<i>MPC 100607</i>	-14	<i>For BAA Journal read BAA Journal</i> [(95882) citation]
<i>MPC 100610</i>	33	<i>For Oukaimeden read Oukaimeden</i> [(175282) citation]
<i>MPC 112433</i>	-43	<i>For Szózat read “Szózat”</i> [(172593) citation]
<i>Bull. 4, #10, 16</i>	-17	<i>For (b. 1973) read (b. 1972)</i> [(20063) citation]

A number of the errata above repeat errata published in earlier *Bulletins* that did not get represented properly in the associated corrigenda files. Republishing them here is simpler (and less confusing) than trying to edit the affected corrigenda files.

## Corrected Discovery Information

The following section lists corrected discovery information for numbered minor planets. The NS column contains an asterisk if the numbering was subject to the current numbering rules, the POC column contains the observatory code of the assignment (asterisked) observation of the principal provisional designation and the DOC column contains the observatory code of the discovery observation.

Number	NS	POC	Disc. Date	DOC	Discovery Site	Discoverer(s)
(264166)	*	C51	1996-10-05	691	Kitt Peak	Spacewatch
(264246)	*	691	2001-10-18	644	Palomar	NEAT
(269632)	*	691	2003-09-29	691	Kitt Peak	Spacewatch
(275394)	*	703	1993-03-21	809	La Silla	C.-I. Lagerkvist
(275432)	*	D29	1999-03-21	645	Apache Point	Sloan Digital Sky Survey
(275468)	*	691	2002-08-08	599	Campo Imperatore	CINEOS
(279533)	*	G96	2007-03-12	G96	Mount Lemmon	Mount Lemmon Survey
(279606)	*	691	1999-01-15	691	Kitt Peak	Spacewatch
(283262)	*	691	1981-03-01	413	Siding Spring	S. J. Bus
(283275)	*	G96	1993-07-20	809	La Silla	E. W. Elst
(283301)	*	926	1993-03-21	809	La Silla	Sloan Digital Sky Survey
(297218)	*	G96	2010-04-20	C51	WISE	WISE
(311943)	*	G96	1996-03-27	691	Kitt Peak	Spacewatch
(316190)	*	G96	2005-05-10	G96	Mount Lemmon	Mount Lemmon Survey
(316389)	*	691	2004-05-13	691	Kitt Peak	Spacewatch
(317450)	*	644	2005-03-17	G96	Mount Lemmon	Mount Lemmon Survey
(318258)	*	644	2004-08-27	699	Anderson Mesa	LONEOS
(400230)	*	G96	2007-03-12	G96	Mount Lemmon	Mount Lemmon Survey
(400273)	*	703	2007-09-05	703	Catalina	CSS
(400429)	*	703	2008-01-11	703	Catalina	CSS
(400430)	*	703	2008-02-13	703	Catalina	CSS
(400476)	*	691	2008-03-28	G96	Mount Lemmon	Mount Lemmon Survey
(400696)	*	704	2009-09-26	J75	La Sagra	OAM
(400721)	*	G96	2004-11-17	599	Campo Imperatore	CINEOS
(400825)	*	G96	2010-05-07	G96	Mount Lemmon	Mount Lemmon Survey
(400831)	*	C51	2010-05-25	C51	WISE	WISE
(400861)	*	C51	2010-07-10	C51	WISE	WISE
(400871)	*	C51	2010-07-21	C51	WISE	WISE
(400875)	*	C51	2010-07-27	C51	WISE	WISE
(400895)	*	691	2010-07-07	C51	WISE	WISE
(400898)	*	703	2008-04-06	G96	Mount Lemmon	Mount Lemmon Survey
(400909)	*	704	2008-04-06	G96	Mount Lemmon	Mount Lemmon Survey
(400917)	*	G96	2008-03-28	G96	Mount Lemmon	Mount Lemmon Survey
(400925)	*	691	2004-09-18	704	Socorro	LINEAR
(401014)	*	703	2010-06-15	C51	WISE	WISE
(401049)	*	691	2003-04-26	691	Kitt Peak	Spacewatch
(401077)	*	691	2010-04-18	C51	WISE	WISE
(401096)	*	F51	2011-10-25	F51	Haleakala	Pan-STARRS 1
(401124)	*	F51	2008-12-21	G96	Mount Lemmon	Mount Lemmon Survey
(401142)	*	F51	2006-09-20	703	Catalina	CSS
(401159)	*	691	2011-11-23	703	Catalina	CSS
(401162)	*	691	2000-10-02	691	Kitt Peak	Spacewatch

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(401182)	*	691	2010-06-07	C51	WISE	WISE
(401230)	*	691	2011-12-27	691	Kitt Peak	Spacewatch
(401239)	*	F51	2010-06-15	C51	WISE	WISE
(401291)	*	691	2000-09-24	691	Kitt Peak	Spacewatch
(401302)	*	G96	2003-10-19	704	Socorro	LINEAR
(401357)	*	703	2006-05-20	699	Anderson Mesa	LONEOS
(401363)	*	G96	2009-02-04	G96	Mount Lemmon	Mount Lemmon Survey
(401364)	*	G96	2007-11-02	G96	Mount Lemmon	Mount Lemmon Survey
(401371)	*	691	2010-05-18	E12	Siding Spring	Siding Spring Survey
(401377)	*	G96	2007-10-08	703	Catalina	CSS
(401430)	*	F51	2011-10-20	G96	Mount Lemmon	Mount Lemmon Survey
(401500)	*	G96	2006-02-27	G96	Mount Lemmon	Mount Lemmon Survey
(401508)	*	703	2005-11-03	G96	Mount Lemmon	Mount Lemmon Survey
(401594)	*	G96	2000-02-08	691	Kitt Peak	Spacewatch
(401621)	*	F51	1995-10-27	691	Kitt Peak	Spacewatch
(401750)	*	F51	2010-10-12	G96	Mount Lemmon	Mount Lemmon Survey
(401757)	*	G96	2004-10-15	G96	Mount Lemmon	Mount Lemmon Survey
(401760)	*	691	2004-11-19	703	Catalina	CSS
(401808)	*	F51	2005-12-08	691	Kitt Peak	Spacewatch
(401915)	*	644	2001-09-18	699	Anderson Mesa	LONEOS
(402090)	*	704	2003-10-21	644	Palomar	NEAT
(402202)	*	699	2004-11-04	703	Catalina	CSS
(402215)	*	G96	2004-12-19	G96	Mount Lemmon	Mount Lemmon Survey
(402305)	*	699	2005-08-31	704	Socorro	LINEAR
(402314)	*	691	2005-09-29	G96	Mount Lemmon	Mount Lemmon Survey
(402321)	*	691	2005-10-01	G96	Mount Lemmon	Mount Lemmon Survey
(402326)	*	703	2005-10-10	703	Catalina	CSS
(402344)	*	699	2005-10-27	699	Anderson Mesa	LONEOS
(402438)	*	G96	2006-01-09	G96	Mount Lemmon	Mount Lemmon Survey
(402780)	*	G96	2007-01-27	691	Kitt Peak	Spacewatch
(402946)	*	G96	2007-09-03	703	Catalina	CSS
(402963)	*	704	2007-10-19	703	Catalina	CSS
(402979)	*	704	2007-11-05	D29	XuYi	PMO NEO Survey Program
(403016)	*	704	2007-11-15	699	Anderson Mesa	LONEOS
(403022)	*	703	2007-11-13	G96	Mount Lemmon	Mount Lemmon Survey
(403035)	*	704	2007-12-20	691	Kitt Peak	Spacewatch
(403040)	*	D35	2007-12-30	691	Kitt Peak	Spacewatch
(403110)	*	703	2008-01-20	G96	Mount Lemmon	Mount Lemmon Survey
(403125)	*	G96	2008-02-10	G96	Mount Lemmon	Mount Lemmon Survey
(403179)	*	G96	2008-04-14	G96	Mount Lemmon	Mount Lemmon Survey
(403253)	*	G96	2008-12-21	G96	Mount Lemmon	Mount Lemmon Survey
(403267)	*	691	2008-12-22	G96	Mount Lemmon	Mount Lemmon Survey
(403384)	*	704	2009-08-27	703	Catalina	CSS
(403402)	*	691	2009-09-15	691	Kitt Peak	Spacewatch
(403503)	*	703	2009-11-09	703	Catalina	CSS
(403582)	*	C51	2010-07-23	C51	WISE	WISE
(403630)	*	I41	2005-10-01	703	Catalina	CSS
(403644)	*	691	2008-02-09	691	Kitt Peak	Spacewatch
(403680)	*	691	2007-03-13	734	Eskridge	D. Tibbets, G. Hug
(403696)	*	G96	2005-10-26	691	Kitt Peak	Spacewatch
(403767)	*	703	2006-04-02	703	Catalina	CSS
(403771)	*	704	2011-03-09	F51	Haleakala	Pan-STARRS 1
(403798)	*	G96	2009-02-01	691	Kitt Peak	Spacewatch
(403823)	*	691	2004-10-07	704	Socorro	LINEAR
(403832)	*	F51	2007-09-14	D35	Lulin	LUSS



(403856)	*	691	2005-01-19	691	Kitt Peak	Spacewatch
(403929)	*	G96	2004-12-19	G96	Mount Lemmon	Mount Lemmon Survey
(403931)	*	J43	2005-10-01	G96	Mount Lemmon	Mount Lemmon Survey
(403942)	*	691	2012-01-21	F51	Haleakala	Pan-STARRS 1
(403986)	*	691	2008-04-28	G96	Mount Lemmon	Mount Lemmon Survey
(404026)	*	G96	2012-01-26	G96	Mount Lemmon	Mount Lemmon Survey
(404082)	*	G96	2005-03-09	G96	Mount Lemmon	Mount Lemmon Survey
(404099)	*	G96	2009-09-24	G96	Mount Lemmon	Mount Lemmon Survey
(404108)	*	G96	2010-05-13	C51	WISE	WISE
(404138)	*	J43	2008-12-21	G96	Mount Lemmon	Mount Lemmon Survey
(404244)	*	691	2008-12-22	G96	Mount Lemmon	Mount Lemmon Survey
(404246)	*	691	2006-11-11	G96	Mount Lemmon	Mount Lemmon Survey
(404261)	*	F51	1998-09-13	691	Kitt Peak	Spacewatch
(404350)	*	D20	2000-10-01	704	Socorro	LINEAR
(404533)	*	W84	2007-10-15	G96	Mount Lemmon	Mount Lemmon Survey
(404550)	*	G96	2006-02-01	G96	Mount Lemmon	Mount Lemmon Survey
(404603)	*	G96	2003-02-07	333	Desert Eagle	W. K. Y. Yeung
(404621)	*	F51	2006-04-27	807	Cerro Tololo	M. W. Buie
(404657)	*	W84	2006-10-23	G96	Mount Lemmon	Mount Lemmon Survey
(404699)	*	F51	2001-12-14	691	Kitt Peak	Spacewatch
(404731)	*	G96	2007-03-10	G96	Mount Lemmon	Mount Lemmon Survey
(404771)	*	F51	2000-05-27	704	Socorro	LINEAR
(404784)	*	F51	2005-12-03	568	Maunakea	A. Boattini
(404827)	*	F51	1999-10-11	691	Kitt Peak	Spacewatch
(404839)	*	F51	2013-01-08	G96	Mount Lemmon	Mount Lemmon Survey
(404860)	*	691	2010-07-29	C51	WISE	WISE
(404917)	*	G96	2005-11-02	G96	Mount Lemmon	Mount Lemmon Survey
(405065)	*	644	2001-09-23	291	Kitt Peak	Spacewatch
(405137)	*	644	2013-03-04	F51	Haleakala	Pan-STARRS 1
(405144)	*	608	1998-10-12	691	Kitt Peak	Spacewatch
(405149)	*	644	2002-09-27	644	Palomar	NEAT
(405162)	*	645	2002-10-15	644	Palomar	NEAT
(405423)	*	691	2004-09-15	691	Kitt Peak	Spacewatch
(405643)	*	699	2005-10-06	699	Anderson Mesa	LONEOS
(405748)	*	691	2005-12-25	G96	Mount Lemmon	Mount Lemmon Survey
(405762)	*	568	2005-12-29	568	Maunakea	D. J. Tholen
(405791)	*	G96	2006-01-06	691	Kitt Peak	Spacewatch
(406115)	*	291	2006-11-13	G96	Mount Lemmon	Mount Lemmon Survey
(406211)	*	703	2006-11-22	704	Socorro	LINEAR
(406308)	*	699	2007-04-19	699	Anderson Mesa	LONEOS
(406369)	*	703	2007-09-12	703	Catalina	CSS
(406418)	*	704	2007-09-15	G96	Mount Lemmon	Mount Lemmon Survey
(406513)	*	703	2007-10-08	G96	Mount Lemmon	Mount Lemmon Survey
(406543)	*	704	2007-11-19	G96	Mount Lemmon	Mount Lemmon Survey
(406611)	*	G96	2008-02-08	G96	Mount Lemmon	Mount Lemmon Survey
(406612)	*	G96	2008-02-08	G96	Mount Lemmon	Mount Lemmon Survey
(406624)	*	G96	2008-02-08	G96	Mount Lemmon	Mount Lemmon Survey
(406646)	*	G96	2008-02-28	G96	Mount Lemmon	Mount Lemmon Survey
(406692)	*	704	2008-03-13	703	Catalina	CSS
(406972)	*	703	2004-11-04	703	Catalina	CSS
(406980)	*	704	2009-09-25	703	Catalina	CSS
(407067)	*	G96	2007-01-28	G96	Mount Lemmon	Mount Lemmon Survey
(407294)	*	691	2001-12-14	291	Kitt Peak	Spacewatch
(407300)	*	C51	2010-06-08	C51	WISE	WISE
(407317)	*	C51	2010-07-18	C51	WISE	WISE

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(407375)	*	691	2010-06-15	C51	WISE	WISE
(407393)	*	703	2008-02-08	G96	Mount Lemmon	Mount Lemmon Survey
(407488)	*	J75	2001-11-20	691	Kitt Peak	Spacewatch
(407509)	*	G96	2000-08-26	807	Cerro Tololo	M. W. Buie
(407577)	*	G96	2009-09-15	691	Kitt Peak	Spacewatch
(407607)	*	G96	2005-11-04	G96	Mount Lemmon	Mount Lemmon Survey
(407660)	*	691	2004-09-16	691	Kitt Peak	Spacewatch
(407663)	*	691	2004-09-22	704	Socorro	LINEAR
(407703)	*	691	2010-03-04	C51	WISE	WISE
(407735)	*	G96	2000-02-14	691	Kitt Peak	Spacewatch
(407825)	*	691	2012-01-21	F51	Haleakala	Pan-STARRS 1
(407833)	*	691	2012-01-22	J75	La Sagra	OAM
(407859)	*	691	2008-02-08	G96	Mount Lemmon	Mount Lemmon Survey
(407891)	*	691	2007-12-16	G96	Mount Lemmon	Mount Lemmon Survey
(407949)	*	F51	2012-01-21	F51	Haleakala	Pan-STARRS 1
(407981)	*	691	1995-10-01	691	Kitt Peak	Spacewatch
(408073)	*	F51	2006-02-20	G96	Mount Lemmon	Mount Lemmon Survey
(408078)	*	F51	2006-05-21	703	Catalina	CSS
(408098)	*	F51	2005-05-10	G96	Mount Lemmon	Mount Lemmon Survey
(408127)	*	J43	2006-03-29	704	Socorro	LINEAR
(408152)	*	J04	2010-04-10	G96	Mount Lemmon	Mount Lemmon Survey
(408188)	*	691	2008-12-21	G96	Mount Lemmon	Mount Lemmon Survey
(408208)	*	F51	2010-04-08	G96	Mount Lemmon	Mount Lemmon Survey
(408219)	*	F51	2006-09-25	G96	Mount Lemmon	Mount Lemmon Survey
(408248)	*	691	2007-09-15	691	Kitt Peak	Spacewatch
(408270)	*	G96	2007-09-15	691	Kitt Peak	Spacewatch
(408321)	*	691	1995-09-25	691	Kitt Peak	Spacewatch
(408330)	*	G96	2004-03-23	704	Socorro	LINEAR
(408419)	*	F51	2000-11-20	699	Anderson Mesa	LONEOS
(408483)	*	W84	2000-03-29	691	Kitt Peak	Spacewatch
(408498)	*	691	2003-10-21	644	Palomar	NEAT
(408523)	*	F51	2007-02-23	G96	Mount Lemmon	Mount Lemmon Survey
(408568)	*	926	2000-05-01	704	Socorro	LINEAR
(408596)	*	F51	2006-09-28	691	Kitt Peak	Spacewatch
(408642)	*	G96	2010-07-06	C51	WISE	WISE
(408867)	*	704	2001-09-19	691	Kitt Peak	Spacewatch
(408983)	*	644	2002-09-27	644	Palomar	NEAT
(409067)	*	333	2003-09-28	691	Kitt Peak	Spacewatch
(409096)	*	645	2003-09-20	691	Kitt Peak	Spacewatch
(409519)	*	703	2005-09-23	703	Catalina	CSS
(409591)	*	691	1995-10-01	691	Kitt Peak	Spacewatch
(409834)	*	291	1995-11-23	691	Kitt Peak	Spacewatch
(528027)	*	291	2008-02-27	G96	Mount Lemmon	Mount Lemmon Survey
(528074)	*	691	2008-03-31	691	Kitt Peak	Spacewatch
(528131)	*	691	2008-03-28	G96	Mount Lemmon	Mount Lemmon Survey
(528180)	*	G96	2008-04-28	G96	Mount Lemmon	Mount Lemmon Survey
(528229)	*	J75	2008-07-29	G96	Mount Lemmon	Mount Lemmon Survey
(528236)	*	J75	2008-08-23	J75	La Sagra	OAM
(528259)	*	G96	2008-09-06	G96	Mount Lemmon	Mount Lemmon Survey
(528285)	*	691	2008-09-07	G96	Mount Lemmon	Mount Lemmon Survey
(528344)	*	J75	2008-10-07	691	Kitt Peak	Spacewatch
(528418)	*	G96	2008-10-02	G96	Mount Lemmon	Mount Lemmon Survey
(528422)	*	G96	2008-10-03	G96	Mount Lemmon	Mount Lemmon Survey
(528425)	*	J75	2008-10-08	691	Kitt Peak	Spacewatch
(528436)	*	703	2008-10-01	G96	Mount Lemmon	Mount Lemmon Survey

(528463)	*	703	2008-10-06	703	Catalina	CSS
(528515)	*	691	2003-10-25	691	Kitt Peak	Spacewatch
(528528)	*	691	2006-05-20	691	Kitt Peak	Spacewatch
(528599)	*	703	2005-01-08	941	Pla D'Arguines	R. Ferrando
(528603)	*	691	2008-09-09	G96	Mount Lemmon	Mount Lemmon Survey
(528610)	*	G96	2006-05-07	G96	Mount Lemmon	Mount Lemmon Survey
(528693)	*	691	2003-01-04	695	Kitt Peak	D. Wittman
(528695)	*	G96	2008-12-21	G96	Mount Lemmon	Mount Lemmon Survey
(528738)	*	691	2008-12-22	G96	Mount Lemmon	Mount Lemmon Survey
(528739)	*	691	2008-12-22	G96	Mount Lemmon	Mount Lemmon Survey
(528796)	*	G96	2009-01-16	G96	Mount Lemmon	Mount Lemmon Survey
(528797)	*	G96	2009-01-16	G96	Mount Lemmon	Mount Lemmon Survey
(528805)	*	J75	2009-01-18	703	Catalina	CSS
(528894)	*	704	2009-02-26	691	Kitt Peak	Spacewatch
(528906)	*	703	2009-02-25	703	Catalina	CSS
(528930)	*	G96	2009-02-04	G96	Mount Lemmon	Mount Lemmon Survey
(600009)	*	G96	2006-05-25	568	Maunakea	P. Wiegert
(600036)	*	F51	2011-04-01	G96	Mount Lemmon	Mount Lemmon Survey
(600042)	*	F51	2011-04-01	G96	Mount Lemmon	Mount Lemmon Survey
(600108)	*	703	2006-05-25	568	Maunakea	P. Wiegert
(600171)	*	F51	2011-08-01	F51	Haleakala	Pan-STARRS 1
(600174)	*	F51	2011-07-31	F51	Haleakala	Pan-STARRS 1
(600211)	*	H21	2007-10-18	691	Kitt Peak	Spacewatch
(600243)	*	G96	2005-05-04	568	Maunakea	C. Veillet
(600257)	*	703	2003-03-31	807	Cerro Tololo	Deep Lens Survey
(600402)	*	G96	2011-10-31	G96	Mount Lemmon	Mount Lemmon Survey
(600408)	*	F51	2011-10-23	F51	Haleakala	Pan-STARRS 1
(600448)	*	F51	2004-11-09	568	Maunakea	C. Veillet
(600604)	*	G96	2015-08-21	F51	Haleakala	Pan-STARRS 1
(600608)	*	F51	1997-09-08	910	Caussols	ODAS
(600617)	*	G96	2001-03-16	691	Kitt Peak	Spacewatch
(600649)	*	J43	2005-10-07	568	Maunakea	A. Boattini
(600652)	*	G96	2012-02-26	G96	Mount Lemmon	Mount Lemmon Survey
(600660)	*	F51	2001-03-16	691	Kitt Peak	Spacewatch
(600673)	*	G96	2003-10-19	645	Apache Point	Sloan Digital Sky Survey
(600683)	*	G96	1998-09-19	645	Apache Point	Sloan Digital Sky Survey
(600686)	*	F51	2004-11-04	691	Kitt Peak	Spacewatch
(600839)	*	H15	2012-08-07	H15	Mayhill-ISON	L. Elenin
(600890)	*	G96	2008-09-07	G96	Mount Lemmon	Mount Lemmon Survey
(600895)	*	G96	2005-12-03	568	Maunakea	A. Boattini
(600905)	*	F51	2005-12-03	568	Maunakea	A. Boattini
(700014)	*	691	1995-09-26	691	Kitt Peak	Spacewatch
(700052)	*	688	1997-10-27	688	Anderson Mesa	B. A. Skiff
(700066)	*	645	2013-09-14	F51	Haleakala	Pan-STARRS 1
(700086)	*	645	2013-06-18	F51	Haleakala	Pan-STARRS 1
(700094)	*	859	1999-08-12	859	Wykrota Observatory	L. Duczmal
(700187)	*	645	2012-08-06	F51	Haleakala	Pan-STARRS 1
(700189)	*	645	2006-09-15	691	Kitt Peak	Spacewatch
(700236)	*	645	2000-09-26	645	Apache Point	Sloan Digital Sky Survey
(700238)	*	645	2008-10-06	G96	Mount Lemmon	Mount Lemmon Survey
(700239)	*	645	2009-01-16	G96	Mount Lemmon	Mount Lemmon Survey
(700244)	*	695	2000-09-21	695	Kitt Peak	M. W. Buie
(700256)	*	645	2008-11-19	691	Kitt Peak	Spacewatch
(700283)	*	645	2014-06-27	F51	Haleakala	Pan-STARRS 1
(700295)	*	645	2014-10-01	F51	Haleakala	Pan-STARRS 1

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(700301)	*	695	2001-03-21	695	Kitt Peak	B. Gladman
(700304)	*	695	2001-03-29	695	Kitt Peak	B. Gladman
(700305)	*	695	2001-03-21	695	Kitt Peak	B. Gladman
(700306)	*	695	2001-03-22	695	Kitt Peak	B. Gladman
(700307)	*	695	2001-03-30	695	Kitt Peak	B. Gladman
(700460)	*	644	2002-02-04	644	Palomar	NEAT
(700480)	*	645	2013-04-16	W84	Cerro Tololo	DECam
(700494)	*	807	2020-09-09	F51	Haleakala	Pan-STARRS 1
(700502)	*	291	2017-01-26	G96	Mount Lemmon	Mount Lemmon Survey
(700507)	*	644	2002-06-01	644	Palomar	NEAT
(700514)	*	644	2002-07-15	644	Palomar	NEAT
(700515)	*	644	2002-07-15	644	Palomar	NEAT
(700517)	*	644	2002-07-04	644	Palomar	NEAT
(700547)	*	644	2002-08-06	644	Palomar	NEAT
(700552)	*	644	2002-08-14	644	Palomar	NEAT
(700553)	*	644	2002-08-13	644	Palomar	NEAT
(700554)	*	644	2002-07-19	644	Palomar	NEAT
(700569)	*	644	2002-08-17	608	Haleakala	NEAT
(700576)	*	644	2004-04-16	645	Apache Point	Sloan Digital Sky Survey
(700578)	*	644	2002-08-19	644	Palomar	NEAT
(700579)	*	644	2002-08-28	644	Palomar	NEAT
(700585)	*	644	2002-07-29	644	Palomar	NEAT
(700587)	*	644	2002-08-08	599	Campo Imperatore	CINEOS
(700588)	*	644	2002-08-08	644	Palomar	NEAT
(700590)	*	644	2002-08-17	644	Palomar	NEAT
(700593)	*	644	2002-08-12	807	Cerro Tololo	M. W. Buie
(700594)	*	644	2002-08-08	644	Palomar	NEAT
(700596)	*	644	2002-08-19	644	Palomar	NEAT
(700600)	*	644	2002-07-29	644	Palomar	NEAT
(700602)	*	644	2002-08-27	644	Palomar	NEAT
(700607)	*	644	2002-08-18	644	Palomar	NEAT
(700608)	*	644	2002-08-13	644	Palomar	NEAT
(700635)	*	644	2002-09-08	608	Haleakala	NEAT
(700645)	*	644	2002-09-12	644	Palomar	NEAT
(700646)	*	644	2002-09-01	644	Palomar	NEAT
(700653)	*	644	2002-09-09	644	Palomar	NEAT
(700656)	*	644	2002-08-11	608	Haleakala	NEAT
(700661)	*	644	2002-09-30	608	Haleakala	NEAT
(700701)	*	644	2002-10-11	644	Palomar	NEAT
(700704)	*	644	2012-08-25	G96	Mount Lemmon	Mount Lemmon Survey
(700711)	*	644	2002-10-03	644	Palomar	NEAT
(700714)	*	644	2002-10-30	644	Palomar	NEAT
(700715)	*	644	2002-10-15	644	Palomar	NEAT
(700716)	*	644	2002-10-26	608	Haleakala	NEAT
(700717)	*	645	2002-10-31	645	Apache Point	Sloan Digital Sky Survey
(700736)	*	644	2002-10-31	644	Palomar	NEAT
(700741)	*	644	2002-12-05	695	Kitt Peak	M. W. Buie
(700742)	*	644	2002-12-03	644	Palomar	NEAT
(700754)	*	644	2002-11-23	644	Palomar	NEAT
(700810)	*	807	2003-05-31	807	Cerro Tololo	M. W. Buie
(700818)	*	568	2003-07-31	568	Maunakea	D. D. Balam
(700823)	*	608	2012-10-17	F51	Haleakala	Pan-STARRS 1
(700883)	*	645	2003-09-26	645	Apache Point	Sloan Digital Sky Survey
(700896)	*	645	2015-02-16	F51	Haleakala	Pan-STARRS 1
(700899)	*	645	2003-09-28	645	Apache Point	Sloan Digital Sky Survey

(700900)	*	568	2003-09-28	645	Apache Point	Sloan Digital Sky Survey
(700945)	*	645	2012-02-15	F51	Haleakala	Pan-STARRS 1
(701001)	*	645	2003-09-19	691	Kitt Peak	Spacewatch
(701051)	*	645	2009-11-09	691	Kitt Peak	Spacewatch
(701058)	*	645	2009-06-15	691	Kitt Peak	Spacewatch
(701234)	*	695	2017-09-15	T14	Maunakea	C. Crowder
(701366)	*	568	2004-09-12	568	Maunakea	P. Wiegert
(701375)	*	691	2018-06-18	F51	Haleakala	Pan-STARRS 1
(701424)	*	691	2013-12-02	D03	Tincana	M. Kusiak, M. Żolnowski
(701456)	*	568	2004-11-09	568	Maunakea	P. Wiegert
(701463)	*	695	2014-09-19	F51	Haleakala	Pan-STARRS 1
(701612)	*	G96	2003-09-28	645	Apache Point	Sloan Digital Sky Survey
(701684)	*	568	2014-07-05	F51	Haleakala	Pan-STARRS 1
(701733)	*	G96	2014-09-18	F51	Haleakala	Pan-STARRS 1
(701745)	*	568	2012-10-15	G96	Mount Lemmon	Mount Lemmon Survey
(701751)	*	568	2015-08-12	F51	Haleakala	Pan-STARRS 1
(701774)	*	G96	2013-02-02	G96	Mount Lemmon	Mount Lemmon Survey
(701830)	*	G96	2014-01-28	G96	Mount Lemmon	Mount Lemmon Survey
(701834)	*	F51	2020-09-14	F51	Haleakala	Pan-STARRS 1
(701873)	*	705	2005-10-01	705	Apache Point	SDSS Collaboration
(701909)	*	291	2005-10-01	291	Kitt Peak	Spacewatch
(701924)	*	G96	2016-01-04	F51	Haleakala	Pan-STARRS 1
(701975)	*	691	2005-10-31	691	Kitt Peak	Spacewatch
(702005)	*	705	2005-10-01	705	Apache Point	SDSS Collaboration
(702006)	*	705	2005-10-27	705	Apache Point	SDSS Collaboration
(702044)	*	705	2005-10-26	705	Apache Point	SDSS Collaboration
(702317)	*	568	2005-12-02	695	Kitt Peak	L. H. Wasserman
(702319)	*	568	2006-02-03	568	Maunakea	P. Wiegert
(702320)	*	568	2006-02-03	568	Maunakea	P. Wiegert
(702338)	*	F51	2014-07-28	F51	Haleakala	Pan-STARRS 1
(702386)	*	691	2006-02-24	691	Kitt Peak	Spacewatch
(702410)	*	G96	2006-03-02	G96	Mount Lemmon	Mount Lemmon Survey
(702438)	*	G96	2006-02-27	G96	Mount Lemmon	Mount Lemmon Survey
(702567)	*	G96	2006-05-31	G96	Mount Lemmon	Mount Lemmon Survey
(702570)	*	G96	2006-05-31	G96	Mount Lemmon	Mount Lemmon Survey
(702608)	*	568	2006-07-21	G96	Mount Lemmon	Mount Lemmon Survey
(702610)	*	568	2006-07-19	568	Maunakea	P. Wiegert
(702611)	*	568	2006-06-04	G96	Mount Lemmon	Mount Lemmon Survey
(702615)	*	691	2019-04-02	691	Kitt Peak	Spacewatch
(702616)	*	F52	2019-09-06	F51	Haleakala	Pan-STARRS 1
(702620)	*	E12	1998-09-19	645	Apache Point	Sloan Digital Sky Survey
(702705)	*	691	2006-09-20	691	Kitt Peak	Spacewatch
(702838)	*	G96	2006-09-19	291	Kitt Peak	Spacewatch
(702840)	*	461	2006-10-01	461	Piszkéstető	K. Sárneczky
(702924)	*	691	2006-10-22	691	Kitt Peak	Spacewatch
(703055)	*	G96	2006-12-27	G96	Mount Lemmon	Mount Lemmon Survey
(703064)	*	G96	2020-04-16	G96	Mount Lemmon	Mount Lemmon Survey
(703065)	*	G96	2006-11-24	G96	Mount Lemmon	Mount Lemmon Survey
(703066)	*	G96	2019-03-31	G96	Mount Lemmon	Mount Lemmon Survey
(703088)	*	568	2007-01-25	691	Kitt Peak	Spacewatch
(703123)	*	691	2007-02-21	691	Kitt Peak	Spacewatch
(703286)	*	691	2007-05-10	691	Kitt Peak	Spacewatch
(703603)	*	691	2003-10-18	691	Kitt Peak	Spacewatch
(703604)	*	691	2007-10-08	691	Kitt Peak	Spacewatch
(703880)	*	703	2007-11-07	703	Catalina	CSS

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(704008)	*	G96	2013-01-04	W84	Cerro Tololo	DECam
(704124)	*	568	2008-01-06	568	Maunakea	P. Wiegert
(704209)	*	G96	2008-02-12	G96	Mount Lemmon	Mount Lemmon Survey
(704241)	*	G96	2008-02-13	G96	Mount Lemmon	Mount Lemmon Survey
(704463)	*	G96	2013-04-16	W84	Cerro Tololo	DECam
(704514)	*	B26	2008-08-24	B26	Reillanne	H. Jacquinot
(704542)	*	691	2008-09-02	691	Kitt Peak	Spacewatch
(705001)	*	G96	2008-10-31	G96	Mount Lemmon	Mount Lemmon Survey
(705003)	*	G96	2008-10-31	G96	Mount Lemmon	Mount Lemmon Survey
(705194)	*	114	2008-11-29	114	Zelenchukskaya Station	B. Satovski
(705235)	*	691	2008-11-30	691	Kitt Peak	Spacewatch
(705293)	*	691	2008-12-05	691	Kitt Peak	Spacewatch
(705318)	*	G96	1999-10-13	645	Apache Point	Sloan Digital Sky Survey
(705382)	*	G96	2009-01-02	G96	Mount Lemmon	Mount Lemmon Survey
(705408)	*	691	2015-07-25	F51	Haleakala	Pan-STARRS 1
(705412)	*	G96	2009-01-02	G96	Mount Lemmon	Mount Lemmon Survey
(705714)	*	568	2009-05-25	568	Maunakea	M. Yagi
(705795)	*	114	2009-09-11	114	Zelenchukskaya Station	B. Satovski
(705839)	*	691	2009-09-11	114	Zelenchukskaya Station	B. Satovski
(705854)	*	A77	2009-08-18	691	Kitt Peak	Spacewatch
(705956)	*	I41	2009-09-19	I41	Palomar	Palomar Transient Factory
(705957)	*	I41	2009-09-24	703	Catalina	CSS
(706039)	*	G96	2003-03-10	644	Palomar	NEAT
(706132)	*	G96	2009-10-23	691	Kitt Peak	Spacewatch
(706348)	*	703	2009-12-09	213	Observatorio Montcabre	R. Naves
(706436)	*	691	1999-04-11	691	Kitt Peak	Spacewatch
(706442)	*	703	2006-01-23	703	Catalina	CSS
(706530)	*	C51	2010-03-30	C51	WISE	WISE
(706578)	*	G96	2010-05-10	G96	Mount Lemmon	Mount Lemmon Survey
(706617)	*	C51	2010-05-24	C51	WISE	WISE
(706649)	*	C51	2010-07-12	C51	WISE	WISE
(706656)	*	C51	2010-07-26	C51	WISE	WISE
(706745)	*	691	2004-01-30	691	Kitt Peak	Spacewatch
(706807)	*	I41	2010-10-14	G96	Mount Lemmon	Mount Lemmon Survey
(706860)	*	G96	2005-10-31	G96	Mount Lemmon	Mount Lemmon Survey
(706862)	*	G96	2010-10-17	G96	Mount Lemmon	Mount Lemmon Survey
(706923)	*	I41	2010-11-14	114	Zelenchukskaya Station	B. Satovski
(706924)	*	I41	2010-11-11	G96	Mount Lemmon	Mount Lemmon Survey
(706959)	*	G96	2010-11-08	691	Kitt Peak	Spacewatch
(706973)	*	291	2010-11-01	691	Kitt Peak	Spacewatch
(707030)	*	114	2011-01-01	114	Zelenchukskaya Station	B. Satovski
(707212)	*	691	2011-01-26	691	Kitt Peak	Spacewatch
(707242)	*	G96	2003-08-29	568	Maunakea	D. D. Balam
(707356)	*	G96	2011-02-25	G96	Mount Lemmon	Mount Lemmon Survey
(707441)	*	G96	2006-12-27	G96	Mount Lemmon	Mount Lemmon Survey
(707449)	*	F51	2011-04-01	G96	Mount Lemmon	Mount Lemmon Survey
(707450)	*	F51	2011-04-01	G96	Mount Lemmon	Mount Lemmon Survey
(707451)	*	F51	2011-04-01	G96	Mount Lemmon	Mount Lemmon Survey
(707458)	*	F51	2011-04-01	G96	Mount Lemmon	Mount Lemmon Survey
(707460)	*	F51	2011-04-01	G96	Mount Lemmon	Mount Lemmon Survey
(707461)	*	F51	2011-04-01	G96	Mount Lemmon	Mount Lemmon Survey
(707625)	*	F51	2011-06-06	F51	Haleakala	Pan-STARRS 1
(707669)	*	F51	2011-07-31	F51	Haleakala	Pan-STARRS 1
(707671)	*	F51	2011-08-01	F51	Haleakala	Pan-STARRS 1
(707672)	*	F51	2011-08-01	F51	Haleakala	Pan-STARRS 1

(707685)	*	F51	2012-10-15	G84	Mount Lemmon SkyCenter	A. Kostin
(707691)	*	F51	2015-04-18	W84	Cerro Tololo	DECam
(707733)	*	J75	2015-06-22	F51	Haleakala	Pan-STARRS 1
(707743)	*	114	2011-08-28	114	Zelenchukskaya Station	B. Satovski
(707764)	*	F51	2002-10-08	291	Kitt Peak	Spacewatch
(707783)	*	F51	2011-08-31	F51	Haleakala	Pan-STARRS 1
(707794)	*	F51	2011-09-04	F51	Haleakala	Pan-STARRS 1
(707873)	*	691	1998-09-15	691	Kitt Peak	Spacewatch
(707992)	*	H15	2002-08-18	644	Palomar	NEAT
(708000)	*	691	2002-09-12	644	Palomar	NEAT
(708090)	*	114	2011-10-27	114	Zelenchukskaya Station	B. Satovski
(708264)	*	F51	2011-10-29	114	Zelenchukskaya Station	B. Satovski
(708290)	*	G96	2011-12-27	G96	Mount Lemmon	Mount Lemmon Survey
(708330)	*	G96	2010-11-02	G96	Mount Lemmon	Mount Lemmon Survey
(708386)	*	G96	2006-12-21	695	Kitt Peak	L. H. Wasserman
(708516)	*	F51	2012-02-28	F51	Haleakala	Pan-STARRS 1
(708567)	*	G96	2001-03-16	691	Kitt Peak	Spacewatch
(708620)	*	G96	2012-03-31	G96	Mount Lemmon	Mount Lemmon Survey
(708636)	*	F51	2004-11-09	568	Maunakea	P. Wiegert
(708641)	*	F51	2010-09-16	G96	Mount Lemmon	Mount Lemmon Survey
(708772)	*	F51	2003-10-22	645	Apache Point	Sloan Digital Sky Survey
(708801)	*	691	2003-10-22	645	Apache Point	Sloan Digital Sky Survey
(708927)	*	E10	2012-09-04	E10	Siding Spring	E. Guido
(708997)	*	F51	2012-10-09	F51	Haleakala	Pan-STARRS 1
(709011)	*	691	2012-10-10	691	Kitt Peak	Spacewatch
(709072)	*	F51	2012-10-15	F51	Haleakala	Pan-STARRS 1
(709188)	*	J04	2012-11-14	691	Kitt Peak	Spacewatch
(709231)	*	691	2012-10-20	D00	Kislovodsk	O. Zelyoniy
(709294)	*	F51	2007-09-13	G96	Mount Lemmon	Mount Lemmon Survey
(709300)	*	G96	2006-12-21	695	Kitt Peak	L. H. Wasserman
(709358)	*	691	2013-01-03	G96	Mount Lemmon	Mount Lemmon Survey
(709368)	*	G96	2012-12-23	F51	Haleakala	Pan-STARRS 1
(709371)	*	J04	2013-01-15	J04	ESA OGS	ESA Optical Ground Station
(709401)	*	W84	2013-01-04	W84	Cerro Tololo	DECam
(709402)	*	W84	2013-01-04	W84	Cerro Tololo	DECam
(709404)	*	W84	2013-01-04	W84	Cerro Tololo	DECam
(709405)	*	W84	2013-01-04	W84	Cerro Tololo	DECam
(709409)	*	W84	2013-01-04	W84	Cerro Tololo	DECam
(709411)	*	W84	2013-01-04	W84	Cerro Tololo	DECam
(709413)	*	W84	2013-01-04	W84	Cerro Tololo	DECam
(709416)	*	W84	2013-01-05	W84	Cerro Tololo	DECam
(709418)	*	W84	2013-01-05	W84	Cerro Tololo	DECam
(709430)	*	G96	2014-02-20	F51	Haleakala	Pan-STARRS 1
(709551)	*	G96	2006-07-19	568	Maunakea	P. Wiegert
(709582)	*	691	2013-02-14	691	Kitt Peak	Spacewatch
(709676)	*	F51	2002-10-10	644	Palomar	NEAT
(709750)	*	G96	2013-03-15	G96	Mount Lemmon	Mount Lemmon Survey
(709872)	*	W84	2013-04-16	W84	Cerro Tololo	DECam
(709873)	*	W84	2013-04-16	W84	Cerro Tololo	DECam
(709879)	*	W84	2013-04-16	W84	Cerro Tololo	DECam
(709882)	*	W84	2013-04-16	W84	Cerro Tololo	DECam
(709905)	*	W84	2013-04-17	W84	Cerro Tololo	DECam
(709910)	*	W84	2013-04-16	W84	Cerro Tololo	DECam

## New Names of Minor Planets

The following new names of minor planets have been approved by the WGSBN. Discovery details, for information only, are given in the following order: date of discovery; discoverer(s) name(s); discovery site; discovery site observatory code. The discoverer(s) name(s) is/are followed by an asterisk if this is a change from what was published when the object was numbered.

### **(5727) Pierobenvenuti = 1988 BB<sub>4</sub>**

*Discovery: 1988-01-19 / H. Debehogne / La Silla / 809*

Named in honor of Italian astronomer Piero Benvenuti (b. 1946), in appreciation of his long service to astronomy as the IAU General Secretary (2015–2018) and as Interim GS (2023–2024). He is professor emeritus of the University of Padua. Piero spearheaded the defense of dark and quiet skies for astronomers and as a cultural heritage of humanity.

### **(5728) Umbertobenvenuti = 1988 BJ<sub>4</sub>**

*Discovery: 1988-01-20 / H. Debehogne / La Silla / 809*

Named in memory of Umberto Benvenuti (1989–2005), son of Beatrice and Piero Benvenuti. Umberto loved to explore the galaxy with his brother and best friend Eugenio in their imaginary spacecraft. He gave his family the power to face any difficulty, and helped them appreciate that we are all part of the same universe.

### **(10902) Hebeishida = 1997 WB<sub>22</sub>**

*Discovery: 1997-11-25 / Beijing Schmidt CCD Asteroid Program / Xinglong / 327*

Founded in 1902, Hebei Normal University (Hebeishida) is a key provincial university jointly established by Hebei Province and the Ministry of Education of China. Hebei Normal University established the Department of Space Science and Astronomy in 2012.

### **(13905) Maxbernstein = 1976 QA**

*Discovery: 1976-08-27 / S. J. Bus / Palomar / 675*

Max Bernstein (b. 1965) is an American astrochemist and NASA Science Mission Directorate Lead for Research. He is a much-appreciated ombudsman in his support of the research community, and is a model of transparency. His research has included studies of the interstellar medium, star-formation regions, planetary nebulae, astrobiology, and false biomarkers.

### **(13910) Iranolt = 1979 MH<sub>3</sub>**

*Discovery: 1979-06-25 / E. F. Helin, S. J. Bus / Siding Spring / 413*

American astronomer Ira Nolt (b. 1937) was a pioneer of thermal infrared astronomy and designer of the first astronomical <sup>3</sup>He-cooled bolometer, which he used to measure temperatures for Jupiter, Saturn and Saturn's rings. He was a friend and beloved mentor to undergraduate and graduate students at the University of Oregon's Pine Mountain Observatory.



**(13931) Tonydenault = 1988 RF<sub>13</sub>**

*Discovery: 1988-09-14 / S. J. Bus / Cerro Tololo / 807*

Anthony Denault (b. 1961) was the Senior Software Manager for the NASA Infrared Telescope Facility on Maunakea. He helped develop and maintain nearly all of the software for the telescope control system and facility instruments which has been critical for the scientific productivity of the telescope.

**(20050) Aglaonice = 1993 FO<sub>21</sub>**

*Discovery: 1993-03-21 / UESAC / La Silla / 809*

Aglaonice of Thessaly (2nd or 1st century BCE) is one the earliest recorded women astronomers. She was regarded as a sorceress for her (self-proclaimed) ability to “make the moon disappear from the sky”, which has been taken by Plutarch and modern astronomers to mean that she could predict the time and general area where a lunar eclipse would occur.

**(20051) Phanostrate = 1993 FE<sub>26</sub>**

*Discovery: 1993-03-21 / UESAC / La Silla / 809*

Phanostrate (4th century BCE) is a Greek midwife and physician who is, according to existing documentation, the first woman to have been called “physician” in the history of ancient Greece. A (now disappeared) statue bearing the effigy of Phanostrate in the Asclepion of Athens testifies to the local importance and fame which she enjoyed at the time.

**(20052) Kellman = 1993 FS<sub>27</sub>**

*Discovery: 1993-03-21 / UESAC / La Silla / 809*

Edith Kellman (1911–2007) was an American astronomer who worked at the Yerkes Observatory as a photographic assistant. She worked with William Morgan and Philip Keenan to develop the Yerkes (MKK) system of stellar classification. After leaving the observatory, Edith taught mathematics at Williams Bay High School until her retirement in the 1970s.

**(20053) Cavefish = 1993 FK<sub>29</sub>**

*Discovery: 1993-03-21 / UESAC / La Silla / 809*

There are over 250 fish species that are adapted to living in subterranean caves. Small, blind, and lacking pigment, cavefishes are evolutionary marvels. Comparisons between the DNA of different cavefish species can be used to unravel geologic history. Many cavefishes are threatened by human activity.

**(20058) Bundalian = 1993 OM<sub>8</sub>**

*Discovery: 1993-07-20 / E. W. Elst / La Silla / 809*

Ester Inocencio Bundalian (b. 1939) is an experienced Philippine eclipse chaser, having observed the total solar eclipses in 1955 and 1988 in the Philippines and in 2017 and 2024 in the U.S. She is the mother of astronomy journalist, editor and astrophotographer Imelda B. Joson.

**(27882) Ootanihideji = 1996 EJ<sub>1</sub>**

*Discovery: 1996-03-10 / K. Endate, K. Watanabe / Kitami / 400*

Hideji Ootani (b. 1953) is a Japanese dentist and amateur astronomer. As president of the local astronomy club Tentomushi, he has actively promoted astronomy at events held at the Nayoro Observatory in Hokkaido since 2010.

**(27887) Kiyoharu = 1996 GU<sub>1</sub>**

*Discovery: 1996-04-12 / K. Endate, K. Watanabe / Kitami / 400*

Kiyoharu Ogasawara (b. 1959) is a Japanese amateur astronomer. He built a private observatory in Hokkaido in 1994 with a 0.5-m telescope and has been conducting follow-up observations of supernovae and other objects.

**(27910) Yangfuyu = 1996 TA<sub>14</sub>**

*Discovery: 1996-10-10 / Beijing Schmidt CCD Asteroid Program / Xinglong / 327*

Yang Fuyu (1927–2023) was a leading biochemist and an Academician of the Chinese Academy of Sciences. He was one of the major founders of the field of membrane biology in China, and had made significant contributions to the establishment and development of membrane biology research in China.

**(72949) Colesanti = 2002 CC<sub>43</sub>**

*Discovery: 2002-02-12 / C. W. Juels, P. R. Holvorcem / Fountain Hills / 678*

Carlos Alberto Colesanti (1945–2024) was a Brazilian amateur astronomer, particularly skilled in CCD photometry of cataclysmic variable stars. From his observatory in the town of Mairinque, he contributed thousands of observations to international variable stars organizations such as the AAVSO and others.

**(79212) Martadigrazia = 1994 ET**

*Discovery: 1994-03-06 / L. Tesi, G. Cattani \* / San Marcello / 104*

Marta Di Grazia (b. 1965) is an Italian amateur astronomer at the S. Marcello Pistoiese Observatory. She conducts astronomical popularization and research concerning near-Earth asteroids.

**(91333) Robertogorelli = 1999 JP<sub>2</sub>**

*Discovery: 1999-05-08 / CSS / Catalina / 703*

Roberto Gorelli (b. 1954) is an Italian amateur astronomer. He is a contributor to many citizen science projects focused on minor planets and he has discovered numerous asteroids. He has also co-authored several articles and a book on medieval comets.

**(91335) Alexandrov = 1999 JT<sub>9</sub>**

*Discovery: 1999-05-08 / CSS / Catalina / 703*

Svetoslav Alexandrov (b. 1986) is a Bulgarian plant physiologist and amateur astronomer studying the early evolution of Earth and the origins of life. He has contributed to several citizen science projects focused on minor planets and he has discovered numerous asteroids.

**(91389) Davidsaewert = 1999 JN<sub>137</sub>**

*Discovery: 1999-05-09 / CSS / Catalina / 703*

David Saewert (b. 1959) is an American software engineer and amateur astronomer. He has contributed to several citizen science projects focused on minor planets and he has discovered numerous asteroids.

**(168039) Eefalcoacosta = 2005 LR<sub>1</sub>**

*Discovery: 2005-06-01 / Mount Lemmon Survey / Mount Lemmon / G96*

Emilio Eduardo Falco Acosta (b. 1954) is an Uruguayan-American astronomer who retired from the Smithsonian Astrophysical Observatory in 2020. He has more than 580 publications on gravitational lensing, extrasolar planets, and supernovae. He continues his decades-old effort to protect the natural night sky from the harmful effects of anthropogenic light.

**(175301) Mathur = 2005 LC<sub>47</sub>**

*Discovery: 2005-06-13 / Mount Lemmon Survey / Mount Lemmon / G96*

Jagdish (Jag) Mathur (b. 1942) is an American with a PhD in Physics from NC State University. As an educator his efforts enabled many thousands of community college students to embark on careers in science and technology. As a research scientist he led a team in the development of laser guidance systems.

**(176532) Boskri = 2002 AF<sub>2</sub>**

*Discovery: 2002-01-05 / M. Ory \* / Vicques / 185*

Abdelkarim Boskri (b. 1990) is a Moroccan astrophysicist who works as a teacher at the Ministry of National Education. He is an associate member of the Oukaïmeden Observatory located in the High Atlas mountains.

**(199757) Shagunsingh = 2006 JB<sub>45</sub>**

*Discovery: 2006-05-07 / Mount Lemmon Survey / Mount Lemmon / G96*

Shagun Singh (b. 1991) is an American primary care physician who epitomizes excellence and humanity in caring for her patients in Tucson, Arizona. She completed her medical education at The Government Medical College (2013), a residency at Rochester General Hospital (2019), and Certification from the American Board of Internal Medicine (2019).

**(231571) Tubolyvince = 2008 UP<sub>3</sub>**

*Discovery: 2008-10-22 / K. Sárneczky, Á. Kárpáti / Piszkestető / 461*

Vince Tuboly (1956–2024) was a Hungarian amateur astronomer, science educator, organizer of the first Hungarian comet-hunting network and founder of the Hegyhátsal Observatory. During his five-decade career, he tirelessly promoted astronomy, edited several comet-related publications, and made numerous visual and photographic observations of comets.

**(284357) Semseyandor = 2006 SA<sub>78</sub>**

*Discovery: 2006-09-23 / K. Sárneczky, Z. Kuli / Piszkestető / 461*

Andor Semsey (1833–1923) was a landowner, a naturalist and a patron of Hungarian science. His interests were mainly in mineralogy and geology, and he purchased numerous mineral and rock collections for museums. He created the National Museum meteorite collection and supported numerous scientific expeditions.

**(314159) Mattparker = 2005 FW<sub>1</sub>**

*Discovery: 2005-03-16 / Mount Lemmon Survey / Mount Lemmon / G96*

Matthew Thomas Parker (b. 1980) is an Australian recreational mathematician, author, and science communicator based in the United Kingdom. His “Stand-up Maths” YouTube channel has gained more than one million subscribers. Parker's Pi Day (March 14) challenges, where he calculates (by hand)  $\pi$  with the help of volunteers, have popularized mathematics.

**(402008) Laborfalviróza = 2003 QZ<sub>69</sub>**

*Discovery: 2003-08-26 / K. Sárneczky, B. Sipőcz \* / Piszkestető / 461*

Róza Laborfalvi (1817–1886) was a Hungarian actress, who was known for her beautiful alto voice and her talent for recitation. She started her career in 1833, and until her retirement in 1859 she was the most successful actress of the era.

**(519419) Guyewang = 2011 UU<sub>270</sub>**

*Discovery: 2011-10-25 / PMO NEO Survey Program / XuYi / D29*

Gu Yewang (519–581), originally from Suzhou, was a renowned geographer, philologist, and historian in ancient China. He compiled the *Yupian*, which is recognized as the earliest existing regular script dictionary in China.

**(545571) Carlobaccigalupi = 2011 QP<sub>67</sub>**

*Discovery: 2011-08-28 / Y. Ivashchenko / Andrushivka / A50*

Carlo Baccigalupi (b. 1968) is an Italian astronomer and a full professor at the International School for Advanced Studies in Trieste, Italy. His research interests include cosmology and the early universe, and interpretation of observations of the Cosmic Microwave Background and the Large Scale Structure.

**(552750) Valasek = 2010 RW<sub>173</sub>**

*Discovery: 2010-09-06 / K. Sárneczky, Z. Kuli \* / Piszkestető / 461*

Ferenc Valasek (1858–1917) was a master fisherman. He was the founder of modern Hungarian fish farming.

**(554268) Marksylvester = 2012 SD<sub>77</sub>**

*Discovery: 2012-09-26 / T. Vorobjov / Mount Lemmon SkyCenter / G84*

Mark Lyle George Sylvester (b. 1952, South Africa) joined United World College of the Adriatic in 1983 and has been instrumental in its development since its early years. Renowned for his adventurous teaching methods, Mark has inspired several generations of students with his innovative approach to learning, both inside and outside the physics lab.

**(554704) Széppataki = 2012 XH<sub>69</sub>**

*Discovery: 2012-10-23 / K. Sárneckzy, A. Király \* / Piskésető / 461*

Déryné Róza Széppataki (1793–1872) was the first acclaimed female opera singer of Hungary and the best-known actress of early Hungarian theater. Between 1837 and 1847 she was a member of the National Theatre.

**(555802) Chengyen = 2014 EH<sub>32</sub>**

*Discovery: 2007-06-06 / C.-S. Lin, Q.-z. Ye \* / Lulin / D35*

Cheng Yen (b. 1937), founded the Tzu-Chi Foundation, a Taiwanese humanitarian organization involved in medical aid, disaster relief and environmental work. She has inspired countless people to help others in need.

**(561911) Kézandor = 2015 VE<sub>160</sub>**

*Discovery: 2010-11-01 / K. Sárneckzy, Z. Kuli \* / Piskésető / 461*

Andor Kéz (1891–1968) was a Hungarian geographer and university professor. His main field of research in the field of natural geography was geomorphology, primarily fluvial morphology. His scientific education work and pedagogical activity were also significant.

**(574691) Horgerantal = 2010 UB<sub>68</sub>**

*Discovery: 2010-10-31 / K. Sárneckzy, Z. Kuli \* / Piskésető / 461*

Antal Horger (1872–1946) was a Hungarian linguist, university professor and a full member of the Hungarian Academy of Sciences. His research interests included the history of Hungarian sounds, word pronunciation and the Szekler dialect. He created the first Hungarian dialect map.

**(579785) Kepesgyula = 2014 WT<sub>382</sub>**

*Discovery: 2010-10-07 / K. Sárneckzy, Z. Kuli \* / Piskésető / 461*

Gyula Kepes (1847–1924) was a Hungarian doctor who was a member of the Austro-Hungarian Arctic expedition and served as a ship's doctor. He was also involved in the organization of the expedition, examining the physical condition of the volunteers and preparing the expedition's food. In addition to his work, he regularly collected plants and animals.

**(582910) Tormazsófia = 2016 CC<sub>185</sub>**

*Discovery: 2011-11-17 / K. Sárneckzy, A. Farkas \* / Piskésető / 461*

Zsófia Torma (1832–1899) was the first Hungarian female archaeologist and anthropologist, an explorer of the Neolithic “Tordos culture” and an expert on symbolically decorated vessels. After her death, her archaeological collection of more than ten thousand objects was donated to the state.

**(588108) Boteripop = 2007 JX**

*Discovery: 2007-05-08 / J.-C. Merlin / Nogales / 926*

Laurent Maupoint (b. 1975) is a French street artist living in Angers. He created the character Botero PoP which he adapts to a multitude of contexts inspired by cartoons, films, mythologies, video games, politics and current events. Dozens of his drawings on earthenware are visible in the streets of Angers.

**(589780) Ajka = 2010 TT<sub>58</sub>**

*Discovery: 2010-10-07 / K. Sárneczky, Z. Kuli \* / Piskésető / 461*

Ajka, located in central-west Hungary, has been inhabited since the Stone Age. It developed into a major industrial town in the 19th century. A coal mine, an alumina factory, an aluminium smelter, as well as a world-famous glass factory were built here, along with the world's first krypton factory.

**(601036) Sassflóra = 2012 UO<sub>67</sub>**

*Discovery: 2012-10-21 / K. Sárneczky, G. Hodosán \* / Piskésető / 461*

Flóra Sass (1841–1916) was a Hungarian-born explorer and Africa researcher, known locally as Myadue, meaning the Morning Star. She was involved in a British expedition to explore the source of the Nile, and together with her husband they discovered the Albert Nyanza.

**(622577) Miorița = 2014 LU<sub>14</sub>**

*Discovery: 2014-06-02 / EURONEAR \* / La Palma / 950*

Miorița is a unique Romanian pastoral myth-ballad. A little ewe with supernatural powers denounces the evil plan of two shepherds to murder her master. But this shepherd resigns himself to his fate, asking to be buried by the sheepfold and imagining his cosmic wedding witnessed by nature, Sun, Moon, torch stars and one falling star, meaning his death.

**(635338) Pécsieszter = 2013 GF<sub>106</sub>**

*Discovery: 2002-01-15 / K. Sárneczky, Z. Heiner / Piskésető / 461*

Eszter Pécsi (1898–1975) was the first female Hungarian architect and structural engineer, who designed the Bauhaus villas in Budapest, and several industrial buildings. She also designed the structural plans for the first multi-storey car park in Vienna, and the high rise buildings at Columbia University in New York.

**(661178) Żywiecmed = 2003 WD<sub>205</sub>**

*Discovery: 2013-08-12 / M. Kusiak, M. Żołnowski \* / Tincana / D03*

The Hospital in Żywiec operates in the Żywiec County in the field of diagnosis and treatment of patients and also conducts clinical trials. It consists of several departments in various research fields, including the Department of General Surgery. This hospital saved the life of one of the discoverers in 2024.

**(667294) Missen = 2011 FX<sub>17</sub>**

*Discovery: 2011-03-28 / M. Ory \* / Nogales / 926*

François Missen (b. 1933) is a French journalist, reporter and author. A former war correspondent in Vietnam, Algeria and Afghanistan, he explores hidden areas and has worked on many big investigations, including the French Connection. Missen was awarded the Albert Londres Prize in 1974.

**(676734) Wójcicki = 2016 NJ<sub>65</sub>**

*Discovery: 2012-09-15 / M. Zołnowski, M. Kusiak / Tincana / D03*

Karol Wójcicki (b. 1988) is a well-known Polish popularizer of astronomy, known for his contagious enthusiasm and sharing of knowledge on social media. He is a founder of the blog “Head in the stars”. Karol has a great talent for explaining complex concepts in an understandable way, which captivates listeners with his lectures on astronomy and astronautics.

**(682761) Mittermaiertom = 2007 AH<sub>11</sub>**

*Discovery: 2007-01-15 / R. Gierlinger / Gaisberg / B21*

Thomas Mittermaier (1967–2023), a German farmer and entrepreneur, was the founder of the Oberreith Wildlife Park and co-founder of the solar-powered observatory in Oberreith/Germany. His calling was to help people and awaken enthusiasm for nature.

## 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 TD <sub>22</sub> (Lemmon)	MPEC 2024-P107
P/2024 N6 = P/2002 QU <sub>151</sub> (NEAT-PANSTARRS)	MPEC 2024-P41
C/2024 O1 (PANSTARRS)	MPEC 2024-P21
C/2024 N4 (Sárneczky) [Sarneczky]	MPEC 2024-O41
C/2024 M1 (ATLAS)	MPEC 2024-O20
C/2024 L5 (ATLAS)	MPEC 2024-O19
C/2024 N3 (Sárneczky) [Sarneczky]	MPEC 2024-O11
P/2024 N2 = P/2010 T8 = P/2017 R2 (PANSTARRS)	MPEC 2024-N123
C/2024 N1 (PANSTARRS)	MPEC 2024-N107
P/2024 L4 (Rankin)	MPEC 2024-N106
C/2024 L3 (PANSTARRS)	MPEC 2024-N105
C/2024 L2 (PANSTARRS)	MPEC 2024-M24
P/2024 K1 (PANSTARRS)	MPEC 2024-L114
C/2024 L1 (PANSTARRS)	MPEC 2024-L59
P/2024 FG <sub>9</sub> (Nanshan-Hahn) *	MPEC 2024-L4
C/2024 J4 (Lemmon)	MPEC 2024-K128
C/2024 J3 (ATLAS)	MPEC 2024-K118
C/2024 G7 (ATLAS)	MPEC 2024-K41
C/2024 J2 (Wierzchoś) [Wierzchos]	MPEC 2024-K31
C/2024 G6 (ATLAS)	MPEC 2024-J134
P/2024 J1 (PANSTARRS)	MPEC 2024-J133
C/2024 G5 (Leonard)	MPEC 2024-J126
C/2024 G4 (PANSTARRS)	MPEC 2024-J123
485P/2022 U6 = P/2006 AH <sub>2</sub> (Sheppard-Tholen)	MPEC 2024-H65
C/2024 G3 (ATLAS)	MPEC 2024-H22
C/2024 G2 (ATLAS)	MPEC 2024-H20
C/2024 G1 (Wierzchoś) [Wierzchos]	MPEC 2024-H10



C/2024 F2 (PANSTARRS)	MPEC 2024-G103
P/2024 F1 (PANSTARRS)	MPEC 2024-G102
C/2024 E2 (Bok)	MPEC 2024-F91
C/2024 E1 (Wierchoś) [Wierchos]	MPEC 2024-E102
C/2021 X2 (Bok)	MPEC 2024-E8
C/2019 O2 (PANSTARRS)	MPEC 2024-E7
C/2019 G2 (PANSTARRS)	MPEC 2024-G1
484P/2005 XR <sub>132</sub> (Spacewatch)	MPEC 2024-D135
482P/2014 VF <sub>40</sub> (PANSTARRS)	MPEC 2024-D133
C/2023 X7 (PANSTARRS)	MPEC 2024-D102
C/2024 C4 (ATLAS)	MPEC 2024-D98
C/2024 C3 (PANSTARRS)	MPEC 2024-D97
C/2024 A2 (ATLAS)	MPEC 2024-C180
C/2024 C2 (PANSTARRS)	MPEC 2024-C178
C/2024 C1 (PANSTARRS)	MPEC 2024-C177
C/2024 B2 (Lemmon)	MPEC 2024-C87
C/2024 B1 (Lemmon)	MPEC 2024-C86
478P/2023 Y3 (ATLAS)	MPEC 2024-B139
C/2024 A1 (ATLAS)	MPEC 2024-B78
474P/2023 S4 (Hogan)	MPEC 2024-B74
P/2023 Y2 (Gibbs)	MPEC 2024-A148

**Recent Numberings**

486P/2018 L5 = P/2024 H1 (Leonard)	MPC 174198
485P/2022 U6 = P/2006 AH <sub>2</sub> (Sheppard-Tholen)	MPC 172941
484P/2005 XR <sub>132</sub> (Spacewatch)	MPC 172941
483P/2016 J1 = P/2010 M9 = P/2020 Y6 = P/2021 K5 (PANSTARRS)	MPC 171409
482P/2014 VF <sub>40</sub> (PANSTARRS)	MPC 171409
481P/2012 WA <sub>34</sub> = P/2024 C5 (Lemmon-PANSTARRS)	MPC 171409
480P/2014 A3 = P/2023 X6 (PANSTARRS)	MPC 169139
479P/2011 NO <sub>1</sub> = P/2023 WM <sub>26</sub> (Elenin)	MPC 169139
478P/2023 Y3 = P/2017 BQ <sub>100</sub> (ATLAS)	MPC 169139
477P/2018 P3 = P/2023 V8 (PANSTARRS)	MPC 169139
476P/2015 HG <sub>16</sub> = P/2023 W2 (PANSTARRS)	MPC 169139
475P/2004 DO <sub>29</sub> = P/2023 V7 (Spacewatch-LINEAR)	MPC 169139
474P/2023 S4 = P/2017 O4 (Hogan)	MPC 169139
473P/2001 Q6 = P/2023 W1 (NEAT)	MPC 169139
472P/2002 T6 = P/2023 RL <sub>75</sub> (NEAT-LINEAR)	MPC 167069
471P/2023 KF <sub>3</sub> = P/2010 YK <sub>3</sub>	MPC 164694
470P/2014 W1 = P/2023 O2 (PANSTARRS)	MPC 164694
469P/2015 XG <sub>422</sub> (PANSTARRS)	MPC 164694
468P/2004 V3 = P/2023 O1 (Siding Spring)	MPC 164694
467P/2010 TO <sub>20</sub> = P/2023 H6 (LINEAR-Grauer)	MPC 164694

## 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 24882 named minor planets.

Discoverers of minor planets may submit name proposals via the WGSBN voting website at:

<https://www.wgsbn-iau.org/cgi-bin/submission.py>

Registration is required to access this site. Requests for access should be made to [contact@wgsbn-iau.org](mailto:contact@wgsbn-iau.org).

The form for IAU members to express interest in being a Rotating Member of the WGSBN in future years is available at:

[https://www.wgsbn-iau.org/rotating\\_members.html](https://www.wgsbn-iau.org/rotating_members.html)

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](mailto: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
- Ryan S. Park. (Rotating Member)
- Driss Takir (Rotating Member)
- Jin Zhu
- Debra M. Elmegreen, *ex-officio* (IAU President)
- Piero Benvenuti, *ex-officio* (interim 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.

