

WORKING GROUP FOR PLANETARY SYSTEM NOMENCLATURE (WGPSN)

(GROUP DE TRAVAIL POUR LA NOMENCLATURE DU SYSTEM PLANETAIRE)

(Committee of the Executive Committee)

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We are sad to report that WGPSN's first President, Dr. Peter Millman, passed away on December 11, 1990 at the age of 84. He was a world authority on meteors, and a leading figure in Canadian astronomy for many years. Dr. Millman was a very dedicated leader of WGPSN from its inception in 1973 until 1982.

WGPSN held its 19th meeting in Florence, Italy 29-30 April 1991 and the 20th meeting in Buenos Aires, Argentina 30 July 1991 during the IAU General Assembly. Much work is also being done by correspondence, increasingly by electronic mail.

Names were recommended for one satellite of Saturn and for six satellites, three rings, and three ring arcs of Neptune. These objects had all been discovered in Voyager mission photographs. The success of the Magellan mission in mapping Venus' surface in great detail has created a need for many new Venus names of which 121 are introduced below. Also 79 new Mars features have been named; they will appear on a new Mars map needed for the Mars Observer mission in a few years time.

The Working Group is asking for IAU approval of the following new resolutions:

1. In proposing names for newly discovered satellites of the Solar System, it is recommended that first consideration be given to procedures already established within the IAU, and that confusing duplication with asteroids be avoided. (Amendment of Res. 1 in IAU Trans. XXB, 1988).
2. Three new feature categories are introduced for Venus:

RETICULUM, RETICULA	reticular (netlike) pattern
FARRUM, FARRA	row of pancake-like structures
VALLIS, VALLES	sinuous valley

The following names, and those listed in Reports on Astronomy, Vol. XXIA, 613-619, 1991, have the approval of the IAU Executive Committee (since August 1991):

MARS

Name	Lat	Long	Attribute
CRATER			
Ayacucho	38.5N	92.0W	Town in Bolivia
Bentham	56.0S	40.3W	Town in England
Cangwu	42.1N	89.5W	Town in China
Charlieu	38.3N	84.1W	Town in France
Chatturat	35.7N	94.8W	Town in Thailand
Dunhuang	80.9S	48.7W	Town in China
Dzeng	80.5S	70.5W	Town in Cameroon
Ellsley	36.5N	83.0W	Town in England
Escorial	77.0N	54.3W	Town in Spain
Fenagh	34.6N	215.7W	Town in Ireland
Gandzani	34.5N	90.8W	Town in Georgian SSR
Handlova	37.9N	88.4W	Town in Czechoslovakia
Irharen	34.8N	219.2W	Town in Algeria
Jampur	38.8N	81.0W	Town in Pakistan
Kamativi	20.7S	260.0W	Town in Zimbabwe
Kamloops	53.9S	32.1W	Town in Canada
Kisambo	34.3N	89.0W	Town in Zaire
Krasnoye	36.1N	216.2W	Town in Russia
Leleque	36.7N	221.9W	Town in Argentina
Lodwar	55.4S	43.0W	Town in Kenya
Lomela	81.7S	56.0W	Town in Zaire
Lowbury	42.8N	93.0W	Town in New Zealand
Mari	52.4S	45.7W	Ruined city in Syria
Mendota	36.1N	221.8W	Town in USA
Milford	52.6S	45.1W	Town in Utah, USA
Nipigon	34.0N	81.9W	Town in Canada
Ocampo	32.9N	221.7W	Town in Mexico
Oodnadatta	52.7S	34.8W	Town in Australia
Rayadurg	18.6S	257.6W	Town in India
Reykholt	40.8N	85.8W	Town in Iceland
Sarn	77.5S	54.5W	Town in Wales
Suata	19.2S	253.3W	Town in Venezuela
Woolgar	34.8N	85.5W	Town in Australia
CATENA			
Apodis Catena	27.2S	256.8W	Classical albedo name
Baphyras Catena	38.8N	84.0W	Classical river
CAVUS			
Argyre Cavi	49.1S	40.2W	Albedo name
Octantis Cavi	52.7S	45.6W	Albedo name
CHAOS			
Aurorae Chaos	80.6S	34.5W	Albedo name

MARS(Cont.)

Name	Lat	Long	Attribute
CHASMA			
Arsia Chasmata	7.9S	119.4W	Albedo name
Ascraeus Chasmata	8.7N	105.5W	Classical albedo name
Pavonis Chasma	3.8N	111.1W	Albedo name
COLLES			
Tempe Colles	33.9N	82.7W	Classical albedo name
DORSUM			
Atrax Dorsum	38.3N	89.1W	Classical town
Auxo Dorsum	56.1S	41.9W	One of the Graces
Charis Dorsum	55.8S	41.2W	One of the Graces
Cleia Dorsum	55.3S	46.3W	One of the Graces
Hegemone Dorsum	55.3S	44.9W	One of the Graces
Pasithea Dorsum	55.7S	41.8W	One of the Graces
Phaenna Dorsum	54.3S	43.2W	One of the Graces
FOSSA			
Chalce Fossa	51.9S	40.0W	Albedo name
Mangala Fossa	16.5S	148.8W	Named for nearby vallis
Pavonis Fossae	4.2N	111.2W	Albedo name
Tanais Fossae	38.6N	85.3W	Classical albedo name
Tyrrhena Fossae	22.1S	254.5W	Classical albedo name
MENSA			
Ascraeus Mensa	11.7N	107.8W	Classical albedo name
MONS			
Chalce Montes	53.8S	37.0W	Albedo name
Galaxius Mons	35.0N	217.7W	Classical albedo name
Gonnus Mons	41.6N	90.8W	Classical town
Horarum Mons	51.3S	36.4W	Albedo name
Octantis Mons	55.5S	42.5W	Albedo name
Pindus Mons	39.7N	88.9W	Mountains near Vale of Tempe
Tanaica Montes	39.7N	90.8W	Classical albedo name
Tyrrhena Mons	24.5S	258.7W	Classical albedo name
PATERA			
Angusta Patera	80.7S	79.5W	Albedo name
Australis Patera	80.2S	51.5W	Albedo name
Issedon Paterae	38.8N	89.9W	Classical albedo name
PLANUM			
Ascuris Planum	39.5N	84.0W	Classical albedo name

MARS(Cont.)

Name	Lat	Long	Attribute
SULCUS			
Arsia Sulci	6.4S	129.7W	Albedo name
Asraeus Sulci	11.9N	108.7W	Classical albedo name
Pavonis Sulci	3.9N	117.6W	Albedo name
THOLUS			
Issedon Tholus	36.3N	94.6W	Classical albedo name
E. Mareotis Tholus	36.1N	85.0W	Classical albedo name
N. Mareotis Tholus	36.8N	86.0W	Classical albedo name
W. Mareotis Tholus	35.8N	87.5W	Classical albedo name
VALLES			
Dzigai Vallis	59.7S	31.3W	Valley in Navajo
Enipeus Vallis	37.5N	93.1W	Classical river
Nia Vallis	54.3S	33.0W	Lowell canal name
Pallacopas Vallis	54.5S	21.2W	Lowell canal name
Surius Vallis	60.3S	51.0W	Lowell canal name

VENUS

Name	Lat	Long	Diam (km)	Attribute
CRATER				
Adivar	8.9N	75.9E	30	Turkish educator
Aglaonice	26.5S	339.9E	66	Ancient astronomer
Agnesi	39.5S	37.8E	40	Italian mathematician
Agrippina	33.2S	65.2E	37	Roman empress
Alcott	59.5S	354.5E	71	American author
Al-Taymuriyya	32.9N	336.2E	22	Egyptian author
Amalasthuna	11.5S	342.4E	18	Ostrogoth queen
Amaya	11.3N	89.1E	32	Spanish Gypsy dancer
Amenardes	15.0N	54.1E	25	Egyptian princess
Andami	17.5S	26.3E	28	Iranian doctor
Anicia	26.4S	31.1E	30	Greek physician and poet
Annia Faustina	22.1N	4.6E	20	Roman empress
Astrid	21.4S	335.5E	12	Scandinavian first name
Aurelia	20.3N	331.8E	31	Julius Caesar's mother
Avviyar	18.0S	353.6E	21	Tamil poet
Badarzewska	22.6S	137.0E	28	Polish composer
Ban Zhao	17.2N	146.9E	38	Chinese historian
Barrera	16.6N	109.3E	25	16th Cen. medical writer
Barton	27.4N	337.5E	50	American Red Cross founder
Bassi	19.0S	64.6E	35	Italian physicist
Behn	32.5S	141.8E	25	English writer
Bergolts	28.1S	80.8E	30	Russian poet

VENUS(Cont.)

Name	Lat	Long	Diam	Attribute
CRATER			(km)	
Blixen	59.9S	145.6E	22	Danish writer
Bonnevie	36.1S	126.8E	85	Norwegian biologist
Boulanger	26.5S	99.3E	57	French composer
Bourke-White	21.2N	147.8E	31	American photo-journalist
Bridgit	45.3S	348.9E	11	First name from Ireland
Buck	5.7S	349.6E	22	American writer
Budevskva	0.5N	143.0E	20	Bulgarian princess
Callas	2.4N	26.9E	30	Greek opera singer
Callirhoe	21.3N	140.6E	32	Greek sculptor
Carreno	3.9S	16.1E	57	Venezuelan musician
Carson	24.2S	344.2E	41	American biologist,author
Chapelle	6.4N	103.8E	23	American photo-journalist
Chiyojo	47.8S	95.2E	35	Japanese (Edo) poetess
Cori	25.4N	72.7E	50	Czech biochemist
Cunitz	14.5N	350.9E	48	Polish astronomer
Cynthia	16.7S	347.5E	19	Greek first name
Danilova	26.4S	337.3E	50	Russian ballet dancer
De Beauvoir	2.0N	96.0E	40	French writer
De Lalande	20.3N	354.9E	20	French astronomer
Deloria	32.0S	97.0E	38	American anthropologist
Devorguilla	15.3N	3.8E	22	Irish heroine
Erxleben	50.9S	39.3E	28	German scholar
Ferber	26.4N	13.0E	23	American author
Ferrier	15.8N	111.1E	30	English singer
Festa	11.5N	27.2E	25	Italian painter
Flagstad	54.3S	18.9E	48	Norwegian opera singer
Frank	13.2S	12.9E	20	Dutch author
Fredegonde	50.7S	92.9E	26	Frankish queen
Germain	38.0S	63.5E	33	French mathematician
Goppert-Mayer	59.8N	26.5E	35	U.S. physicist(Polish-born)
Greenaway	22.9N	145.1E	85	English author,artist
Guilbert	57.9S	13.3E	30	French singer
Halle	19.8S	145.4E	23	Austrian violonist
Hellman	4.8N	356.2E	24	American playwright
Henie	52.0S	145.8E	70	Norwegian figure scater
Hepworth	5.2N	94.7E	54	English sculptoress
Himiko	19.0N	124.2E	35	Japanese queen
Holiday	46.7S	12.7E	24	American singer
Horner	23.4N	97.5E	28	19th Cen. naturalist
Hua Mulan	86.8N	337.7E	23	Chinese warrior
Huang Daopo	54.2S	165.1E	27	Chinese engineer
Hwangcini	6.3N	141.7E	30	16th Cen. Korean poet
Joliot-Curie	1.6S	62.1E	80	French physicist
Kartini	57.8N	333.0E	24	Javnese educator
Kollwitz	25.2N	133.6E	30	German artist

VENUS(Cont.)

Name	Lat	Long	Diam	Attribute
CRATER			(km)	
Kushinada	5.7S	76.6E	23	Japanese (Izumo) poetess
Lachappelle	26.7N	336.5E	35	French researcher
Landovska	84.5N	74.2E	33	Polish instrumentalist
Lehmann	44.1S	38.7E	20	Danish geophysicist
Li Qingzhao	23.7N	94.3E	21	Chinese poetess
Lullin	23.1N	81.0E	24	Swiss entomologist
Manzolini	25.7N	91.1E	42	Italian anatomist, teacher
Maria Celeste	23.5N	140.5E	90	Galileo's daughter (Ital.)
Marsh	63.7S	46.7E	35	New Zealand writer
Mead	12.5N	57.4E	280	American anthropologist
Merian	34.5N	76.2E	20	Dutch entomologist
Millay	24.4N	110.9E	45	American poet
Monna Lisa	25.6N	25.3E	80	Ital. model for L. da Vinci
Mu Guiying	41.2N	80.7E	25	Chinese warrior
Nemcova	5.9N	125.0E	24	Czech novelist, poet
Nijinskaya	25.9N	122.3E	30	Russian dancer
O'Connor	26.0S	143.8E	27	American novelist
Parra	20.5N	78.1E	50	Chilean writer
Piaf	0.8N	5.1E	30	French singer
Recamier	12.5S	57.9E	25	French patron of letters
Riley	14.0N	72.2E	25	English botanist
Roxanna	26.5N	334.6E	9	Persian first name
Samintang	39.0S	80.6E	24	Korean poetess
Saskia	28.6S	337.2E	40	Rembrandt's wife (Dutch)
Scarpellini	23.4S	34.4E	25	Italian astronomer
Simonenko	26.9S	97.3E	35	Soviet astronomer
Stein	30.0S	345.5E	24	American writer
Stuart	30.8S	20.2E	67	Mary, Queen of Scots
Vigier Lebrun	17.3N	141.3E	53	French painter
Von Siebold	52.0S	36.7E	36	German physician
Wilder	17.4N	122.4E	35	American author
Woolf	37.7S	27.1E	25	British writer
Xantippe	10.9S	11.7E	41	Greek wife of Socrates
Xiao Hong	43.6S	101.5E	37	Chinese novelist
Zhu Shuzhen	26.5S	356.6E	32	Chinese poetess
CORONA				
Beyla Corona	25.0N	15.5E	400	Norse Earth goddess
Eithinoha Corona	57.5S	7.5E	500	Iroquois Earth goddess
Gertjon Corona	30.0S	276.0E	250	Teutonic fertility goddess
Hervor Corona	25.5S	269.0E	250	Norse fertility goddess
Kamui-Huci Corona	63.5S	322.5E	300	Jap. (Ainu) Earth goddess
Otygen Corona	57.0S	30.5E	400	Mongolian Earth mother
Quetzalpetlatl Corona	68.0S	354.5E	400	Aztec fertility goddess
Rigatona Corona	33.5S	278.5E	300	Celtic fertility goddess

VENUS(Cont.)

Name	Lat	Long	Diam (km)	Attribute
FLUCTUS				
Eriu Fluctus	38.0S	1.0E	1200	Irish Earth mother
Kaiwan Fluctus	48.0S	1.5E	1200	Ethiopian Earth mother
Mylytta Fluctus	56.0S	353.5E	1250	Semitic mother goddess
FOSSA				
Enyo Fossae	63.0S	347.0E	900	Greek war goddess
Nike Fossae	59.5S	339.5E	850	Greek goddess of victory
LINEA				
Kalaipahoa Linea	60.5S	336.5E	2400	Hawaiian war goddess
Morrigan Linea	54.5S	311.0E	3200	Celtic war goddess
Penardun Linea	54.0S	344.0E	975	Celtic sky goddess
MONS				
Nepthys Mons	33.0S	317.5E	350	Egyptian land goddess
REGIO				
Dione Regio	31.5S	323.0E	2300	Greek Titaness
Hyndla Regio	24.0N	294.5E	2300	Norse wood Giantess

SATELLITES OF SATURN AND NEPTUNE

Temporary designation	Permanent designation	Name	Distance from planet's center (km)
1981S13	Saturn XVIII	Pan	133,600
1989N6	Neptune III	Naiad	48,230
1989N5	Neptune IV	Thalassa	50,070
1989N3	Neptune V	Despina	52,530
1989N4	Neptune VI	Galatea	61,950
1989N2	Neptune VII	Larissa	73,550
1989N1	Neptune VIII	Proteus	117,640

NEPTUNE RINGS AND RING ARCS

1989N3R	Galle(N42)	41,900
1989N2R	Leverrier(N53)	53,200
1989N1R	Adams(N63)	62,900
"Leading" ring arc	Liberte	62,900
"Equidistant" ring arc	Egalite	62,900
"Following" ring arc	Fraternite	62,900