

# WORKING GROUP FOR PLANETARY SYSTEM NOMENCLATURE (WGPSN) (GROUP DE TRAVAIL POUR LA NOMENCLATURE DU SYSTEM PLANETAIRE)

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## 1. Introduction

Since the 22nd IAU General Assembly in the Hague in 1994, WGPSN has conducted most of its business by e-mail and fax. *Ad hoc* WG meetings were held on July 10, 1996 in Versailles and on July 17 in Birmingham during, respectively, the *Asteroids, Comets and Meteors* meeting and the *31st COSPAR Scientific Assembly*. Seven members of the WG and two members of the adhering Nomenclature Task Groups attended one of the nomenclature meetings or both.

During the triennium most of the nomenclature work has been concerned with classifying and naming features on Venus and the asteroids Gaspra and Ida as observed by the U.S. spacecraft *Magellan* and *Galileo*.

### 1.1. MEMBERSHIP CHANGES

We have been saddened by the tragic death of *Stanley Keith Runcorn* (1922-1995), professor at the University of Newcastle upon Tyne, who was killed in San Diego on December 5, 1995. Runcorn has been a member of the Task Group for Lunar Nomenclature ever since WGPSN was formed in 1973. He was a highly regarded geophysicist who has made many important contributions especially to the study of the Earth's magnetism and continental drift.

Joel Russell has retired from the U.S. Geological Survey in Flagstaff and has been replaced by Jennifer Blue at the same institution as a nomenclature coordinator and a consulting member of WGPSN.

## 2. Nomenclature Corrections

Re-inspection of *Magellan* radar images of Venus has made it necessary to make the following corrections to the *Venus* nomenclature earlier approved by the IAU (see also the table in the next section):

1. In *IAU Trans. XIXB, 1985*, omit *Brigit Tholus* and change *Aspasia Patera*, *Cotis Mons*, *Furki Mons*, and *Mentha Mons* to , respectively, *Aspasia Corona*, *Cotis Tholus*, *Furki Tholus*, and *Mentha Tholus*.
2. In *IAU Trans. XXIA, 1991*, change *Cassatt Patera*, *Nzingha Patera*, *Schumann-Heink Patera*, and *Tituba Patera* to, respectively, *Cassatt Corona*, *Nzingha Corona*, *Schumann-Heink Corona*, and *Tituba Corona*.
3. In *IAU Trans. XXIIA, 1994*, omit *Montagu Crater* and change *Anala Corona* and *Somagalags Corona* to, respectively, *Anala Mons* and *Somagalags Montes*.
4. In *IAU Trans. XXIIB, 1994*, omit *Blanche Crater* and *Colonna Crater*, change *Graham Crater* to *Graham Patera*, and change *Lida Crater* to *Amanda Crater*.

In the nomenclature for *Mars* and *Moon*, the following corrections are needed:

1. In *IAU Trans. XXIIA, 1994*, change *Marti Vallis* to *Marte Vallis*.
2. In *IAU Trans. XXIIIB, 1994*, omit reference to *von Braun* under Mars nomenclature and change spelling of von Braun's first name from *Werner* to *Wernher* under Lunar nomenclature.

### 3. New Nomenclature

#### E U R O P A

NAME	LAT	LONG	DIAM (km)	ATTRIBUTE
<b>MACULA</b>				
Boeotia Macula	54.0S	166.0W	22	Place where Cadmus led cow before it stopped at site of Thebes.
Cyclades Macula	64.0S	192.0W	105	Islands where Rhadamanthys reigned.
<b>LINEA</b>				
Astypalaea Linea	76.5S	220.3W	1030	Sister of Europa.
<b>I D A</b>				
<b>CRATERS</b>				
Atea	5.7S	18.9E	2	Cave in the Muller Range of Papua, New Guinea.
Azzurra	30.5N	217.2E	9.6	Flooded cave in Southern Italy known as the Blue Grotto.
Bilemot	27.8S	29.2E	1.8	Lava tube in Korea.
Castellana	13.4S	335.2E	5.2	Cave in Italy.
Choukoutien	12.8N	23.6E	1.1	Site where Peking Man was discovered.
Fingal	13.2S	39.9E	1.5	Cave in the Hebrides.
Kartchner	7.0S	179.0E	0.9	Cave in Arizona.
Kazumura	32.0S	41.1E	2.1	Lava tube in Hawaii.
Lascaux	0.8N	161.2E	11.8	Cave in France noted for its prehistoric paintings.
Lechuguilla	7.9N	357.1E	1.5	Cave in Carlsbad National Park, New Mexico.
Mammoth	18.3S	180.3E	10.2	Limestone cavern in Kentucky, U.S.A., known as the longest on Earth.
Manjang	28.3S	90.5E	1	Lava tube in Korea.
Ornac	6.3S	202.7E	10.6	Cave in France.
Padirac	4.3S	5.2E	1.9	Cave with underground river in France.
Postojna	42.9S	359.9E	6	Large cave in Slovenia.
Sterkfontein	4.1S	54.1E	4.7	Cave in South Africa.
Stiffe	27.9S	126.5E	1.5	Karst cave in Sulmona, Italy.
Undara	2.0N	113.8E	8.5	Lava tube from Undara Volcano, North Queensland, Australia.
Viento	12.2N	343.9E	1.6	Lava tube in Spain.
<b>DORSUM</b>				
Townsend Dorsum	25.0N	30.0E	40	Tim E. (d. 1989); Galileo imaging team member.

## I D A (cont.)

NAME	LAT	LONG	DIAM (km)	ATTRIBUTE
REGIO				
Palisa Regio	23.0S	34.0E	23	Johann (1848-1925); Austrian astronomer, discovered Ida.
Pola Regio	11.0S	184.0E	8	Place where Palisa (discoverer of Ida) observed.
Vienna Regio	8.0N	2.0E	13	Where Palisa discovered Ida.

## D A C T Y L

CRATERS				
Acmon	39.0S	138.0E	0.3	One of the original 3 Dactyls.
Celmis	46.0S	220.0E	0.2	One of the original 3 Dactyls.

## V E N U S

NAME	LAT	LONG	DIAM (km)	ATTRIBUTE
CRATERS				
Ahava	53.6N	187.3E	9	Hebrew first name.
Amanda	29.1S	94.5E	13	Latin first name. Name changed from Lida.
Batya	72.8N	235.5E	7	Hebrew first name.
Bender	12.9S	327.3E	38	Heidi Julia (1979-1991); author and artist.
Bernice	40.7S	14.8E	12	Greek first name.
Deborah	37.3S	10.6E	8	Hebrew first name.
Dorothy	35.4S	10.9E	6	Greek first name.
Elizabeth	59.2N	215.4E	11	Hebrew first name.
Ellen	22.7S	281.3E	15	German first name.
Enid	16.4N	352.2E	7	Celtic first name.
Evelyn	61.0S	212.3E	18	Celtic first name.
Ezraela	57.0N	186.8E	9	Hebrew first name.
Georgina	20.3S	58.6E	5	Greek first name.
Jane	60.4S	304.8E	10	Hebrew first name.
Karen	12.4S	17.7E	11	Greek first name.
Kelila	52.6N	191.8E	6	Hebrew first name.
Kristina	65.2S	315.9E	9	Slavonic form of Christiana, Latin first name.
Lara	4.2S	2.9E	4	Latin first name.
Leslie	11.2S	13.5E	7	English first name.
Linda	12.4S	2.7E	8	Latin first name.
Magdalena	11.2S	48.7E	10	Spanish form of Hebrew first name.
Marianne	9.2N	358.0E	7	From Mary, Greek first name.
Melina	69.9S	319.5E	9	Greek first name.
Mildred	51.7S	348.3E	11	English first name.
Nadia	27.9S	0.6E	10	Russian first name.
Nicole	48.4N	259.2E	8	French first name.

## V E N U S (cont.)

NAME	LAT	LONG	DIAM (km)	ATTRIBUTE
<b>CRATERS</b>				
Oksana	11.9N	352.0E	10	Ukrainian first name.
Paige	1.2S	24.6E	6	Italian first name.
Philomena	40.7S	151.8E	13	Greek first name.
Quimby	5.7S	76.7E	23	Harriet (1884-1912); American aviatrix
Rebecca	12.1S	5.3E	9	Hebrew first name.
Sandi	68.1S	315.1E	9	From Alexandra, Greek first name.
Tiffany	8.7S	22.8E	6	Greek first name.
Valerie	6.4S	31.0E	10	French first name.
Vanessa	5.9S	1.9E	9	Greek first name.
Yetta	58.6N	185.4E	8	From Henrietta, German first name.
<b>CHASMA</b>				
Latona Chasma	26.0N	267.5E	530	Roman moon goddess.
<b>COLLES</b>				
Olosa Colles	18.0N	353.3E	200	Yoruba (Nigeria) lagoon goddess.
<b>CORONA</b>				
Aspasia Corona	56.1N	189.1E	200	Outstanding Greek woman (ca 470-429 B.C.). Changed from Aspasia Patera.
Banba Corona	47.2S	209.2E	110	Irish earth goddess.
Cassatt Corona	65.6N	207.6E	152	Mary (1844-1926); American painter. Changed from Cassatt Patera.
Cerridwen Corona	49.6N	201.8E	217	Celtic nature goddess.
Hulda Corona	12.0N	308.3E	230	German goddess of fruitfulness & marriage.
Iyatik Corona	16.5S	347.5E	200	Keresan Pueblo (New Mexico) corn mother.
Ki Corona	43.2N	227.8E	300	Sumerian earth goddess.
Ma Corona	22.5S	57.0E	420	Fertility goddess from Asia Minor.
Madderakka Corona	9.0N	315.5E	220	Lapp goddess of birth.
Muzamuza Corona	65.6N	205.4E	163	Indian earth goddess.
Nalwanga Corona	48.7N	247.0E	380	Ganda (Uganda) goddess of childbirth.
Ninkarraka Corona	65.3N	221.0E	150	Babylonian goddess of childbirth.
Nott Corona	32.3S	202.0E	150	Scandinavian earth goddess.
Nzingha Corona	68.7N	205.7E	140	(Ann Zingha) (1582-1663), queen, head of Amazon band. Changed from Nzingha Patera.
Pachamama Corona	36.0S	21.8E	130	Incan earth goddess.
Schumann-Heink Corona	74.3N	214.5E	122	Ernestine (1861-1963); German singer. Changed from Schumann-Heink Patera.
Silvia Corona	12.6N	355.7E	270	Roman earth goddess.
Tituba Corona	42.4N	214.7E	163	Nurse who started Salem witch hunt (c. 1692). Changed from Tituba Patera.
Zamin Corona	31.5N	258.3E	315	Persian earth goddess.

## V E N U S (cont.)

NAME	LAT	LONG	DIAM (km)	ATTRIBUTE
<b>DORSUM/DORSA</b>				
Aditi Dorsa	30.0S	189.0E	1200	Indian sky goddess.
Sirona Dorsa	43.5S	193.5E	700	Celtic sky goddess.
Surupa Dorsum	71.7N	209.0E	981	Hindu sky goddess, bringer of rain.
<b>FLUCTUS</b>				
Nekhebet Fluctus	0.0N	35.0E	400	Egyptian vulture goddess.
Strenia Fluctus	41.0N	250.0E	490	Roman goddess of New Years festivities.
Ubastet Fluctus	48.0S	27.0E	550	Egyptian cat goddess.
Uzume Fluctus	28.6N	220.3E	700	Japanese goddess of cheerfulness.
Zipaltonal Fluctus	37.7N	251.3E	290	Nicaraguan creator goddess.
<b>FOSSAE</b>				
Fea Fossae	27.5N	224.0E	620	Gaelic war goddess.
<b>LINEA</b>				
Virtus Linea	12.0N	21.0E	500	Roman war goddess.
<b>MONS/MONTES</b>				
Anala Mons	11.0N	14.1E	525	Hindu fertility goddess. Name changed from Anala Corona.
Atanua Mons	9.5N	308.9E	1000	Dawn goddess from Marquesas Islands.
Irnini Mons	14.6N	16.0E	525	Goddess of cedar-tree mountains.
Kali Mons	9.4N	29.2E	325	Hindu goddess, mother of death.
Nyx Mons	30.0N	48.5E	875	Greek goddess of night.
Somagalags Montes	9.3N	348.5E	105	Bella Coola earth mother. Name changed from Somagalags Corona.
Tuli Mons	13.3N	314.6E	750	Samoan goddess of creation.
Var Mons	1.2N	316.2E	1000	Scandinavian love goddess.
<b>PATERA</b>				
Graham Patera	6.0S	6.0E	75	Martha (1894-1991); American dancer, choreographer. Changed from Graham Crater.
Kupo Patera	41.9S	195.5E	100	Irena (1929-1978); Israeli astronomer.
Libby Patera	34.5S	199.5E	90	Leona Woods Marshall (1919-1986); American chemist and physicist.
Payne-Gaposchkin Patera	25.5S	196.0E	100	Cecilia Helena (1900-1979); American astronomer.
<b>RUPES</b>				
Vaidilute Rupes	43.5S	22.0E	2000	Lithuanian hearth goddess.
<b>TESSERA</b>				
Bathkol Tessera	61.0N	200.0E	1485	Israeli goddess of fate.
Manatum Tessera	4.0S	64.0E	3800	Semitic goddess of fate.
Salus Tessera	1.5S	48.5E	850	Roman health and prosperity goddess.
Tyche Tessera	44.0S	14.5E	575	Greek goddess of fate.

## V E N U S (cont.)

NAME	LAT	LONG	DIAM (km)	ATTRIBUTE
THOLUS/THOLI				
Cotis Tholus	44.3N	233.0E	62	Thracian goddess, similar to Cybele. Changed from Cotis Mons.
Evaki Tholus	37.6N	342.2E	200	Amazonian sleep goddess.
Furki Tholus	35.9N	236.4E	79	Chechen and Ingus (Caucasus) goddess, wife of thunder god Sela. Changed from Furki Mons.
Mentha Tholus	43.0N	237.3E	79	Roman goddess personifying human mind. Changed from Mentha Mons.
Otafuku Tholi	28.7N	46.3E	80	Japanese goddess of joyfulness.
Toci Tholus	29.5N	355.1E	300	Aztec earthquake goddess.
Tursa Tholus	35.4S	205.2E	75	Italian goddess of terror.
VALLIS				
Banumbirr Vallis	7.0S	4.0E	400	Arnhemland word for planet Venus.