

PLANETARY NOMENCLATURE

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In fiscal year 1986, names were chosen for prominent features on the 5 previously known Uranian satellites and for features on the largest of the 10 satellites discovered by Voyager 2 (Table 1). The names of the five large satellites are taken mostly from Shakespeare, and most are spirits; therefore Shakespearean and spirit themes were used to choose names for topographic features on the satellites. Crater names and most other feature names on Miranda, Oberon, and Titania are from Shakespeare; features on Ariel are named for bright spirits and those on Umbriel are named for dark spirits, all taken from worldwide mythologies. Preliminary coordinates for these features, listed in Table 1, are derived from shaded relief maps of the satellites that will be published in 1987. Orbital elements have been established for the 10 new satellites by S.P. Synott, and a paper describing this work is in progress; satellite positions are being reviewed by Commission 16 of the IAU. The moon 1985 U1 is informally designated "Puck". The nine small satellites discovered in 1986 are being named for Shakespearean heroines; these names will be listed in the 1987 version of the Annual Gazetteer of Planetary Nomenclature.

Although almost 8000 requests to name the newly discovered Uranian satellites for the seven members of the Challenger crew were received (and answered), the Outer Planets Task Group could not reach a consensus on such a proposal. As an alternative suggestion, the Lunar Task Group has proposed that seven craters on the far side of the Moon, within crater Apollo and near craters honoring other American astronauts, be named for the Challenger crew members. This proposal has been favorably received and will be provisionally accepted soon.

Nearly 300 copies of the 1986 edition of the Gazetteer of Planetary Nomenclature were distributed to data facility centers and to interested scientists who requested a copy.

Names adopted by the IAU General Assembly at its triennial meeting in November 1985 at New Delhi, India, have been published (IAU, 1986). Since the New Delhi meeting, additional names have been proposed and provisionally approved for the Uranian satellite features and for 11 features on Mars, 5 on Ganymede, and 5 on Callisto. Nomenclature is now complete on the 1:5 million-scale series of Ganymede maps, and maps of Callisto at the same scale are being generated. The five proposed names on Callisto will become the names of quadrangles as well as features.

A chapter describing the history, methodology, and importance of planetary nomenclature has been completed and will be published in 1987 as part of a book on Planetary Cartography.

Anticipated nomenclature tasks for fiscal year 1987 include the following: (1) correcting and updating the Gazetteer of Planetary Nomenclature; (2) reviewing and naming features on new maps of Mars and Callisto; (3) updating nomenclature chapters for revised atlases of Mars and Jupiter; (4) and writing three chapters and editing all chapters for an illustrated NASA publication on Planetary Nomenclature.

Reference

International Astronomical Union, 1986, Working Group for Planetary System Nomenclature, in 19th General Assembly, New Delhi, 1985, Proceedings: International Astronomical Union Transactions, v. 19B, p. 340-353.

TABLE 1
URANIAN SATELLITE NOMENCLATURE

NAME	LAT	LONG	NAME	LAT	LONG
<u>MIRANDA: (Human characters from The Tempest)</u>					
<u>Crater: (Human from Tempest)</u>			<u>Chasma: (Place from Shakespeare)</u>		
Alonso	45°S	350°E	Arden	10-60°S	30-120°E
Ferdinand	35°S	205°E	Elsinore	15-45°S	210-300°E
Francisco	75°S	240°E	Inverness	40-90°S	0-360°E
Gonzalo	30°S	90°E			
Prospero	35°S	330°E			
Stephano	40°S	235°E	<u>Regio: (Place from Shakespeare)</u>		
Trinculo	75°S	165°E	Dunsinane	10-70°S	350-75°E
			Mantua	10-90°S	750-300°E
			Silicia	10-50°S	295-340°E
			<u>Rupes: (Place from Shakespeare)</u>		
			Argier Rupēs	40-50°S	310-340°E
			Verona Rupēs	10-40°S	340-350°E
<u>ARIEL: (Light spirits)</u>					
<u>Crater: (Light spirit, indiv.)</u>			<u>Chasma: (Light spirit, class)</u>		
Abans	15°S	251°E	Brownie	15-20°S	335-355°E
Agape	47°S	337°E	Kachina	24-40°S	210-280°E
Ataksak	54°S	223°E	Kewpie	15-40°S	315-340°E
Befana	18°S	27°E	Korrigan	13-37°S	329-2°E
Berylune	23°S	328°E	Kra	30-35°S	345-5°E
Deive	24°S	23°E	Pixie	20-25°S	350-15°E
Djadek	19°S	248°E	Sylph	43-52°S	329-18°E
Domovoy	72°S	342°E			
Finvara	18°S	20°E	<u>Vallis: (Light spirit, class)</u>		
Gwyn 77°S	20°E		Leprechaun	10°S	355-25°E
Huon 32°S	65°E		Sprite	9-17°S	325-358°E
Laica	22°S	43°E			
Mab	39°S	351°E			
Melusina	54°S	10°E			
Onagh	23°S	243°E			
Rima 19°S	260°E				
Yangoor	69°S	276°E			

UMBRIEL: (Dark spirits)

Crater: (Dark spirit, indiv.)

Atberich	35°S	45°E
Fin	38°S	29°E
Gob	18°S	28°E
Kanaloa	10°S	345°E
Malingee	22°S	15°E
Minepa	44°S	12°E
Setibos	30°S	346°E
Skynd	3°S	333°E
Vuver	5°S	312°E
Wokolo	30°S	0°
Wunda	8°S	275°E
Zlyden	24°S	328°E

TITANIA: (Shakespeare)

Crater: (Shakes. minor females)

Adriana	20°S	5°E
Bona	56°S	350°E
Calphurnia	43°S	290°E
Elinor	45°S	335°E
Gertrude	10°S	288°E
Imogen	24°S	322°E
Iras	20°S	340°E
Jessica	55°S	285°E
Katherine	51°S	332°E
Lucetta	15°S	278°E
Marina	15°S	317°E
Mopsa	11°S	305°E
Phrynia	25°S	310°E
Ursula	13°S	47°E
Valeria	35°S	7°E

Chasma: Place from Shakespeare

Belmont	6-11°S	25-40°E
Messina	5-35°S	331-13°E
Rousillon	7-25°S	17-38°E

OBERON: (Shakespeare)

Crater: (Shakespearean heroes)

Antony	28°S	65°E
Caesar	28°S	65°E
Coriolanus	11°S	347°E
Falstaff	22°S	10°E
Hamlet	48°S	45°E
Lear	10°S	31°E
Macbeth	59°S	117°E
Othello	67°S	45°E
Romeo	30°S	90°E

Chasma: (spirit place)

Mommur Chasma 10-20°S, 300-340°E

"PUCK": 1985 U1

Crater: (Mischievous spirit)

Bogle
Butz
Lob