Richard Gordon French Biographical Sketch

Professional Preparation

Cornell University	Postdoctoral Research Associate, Astronomy	1977–1979
Cornell University	Astronomy Ph.D.	1977
Cornell University	Astronomy M.Sc.	1975
Cornell University	Physics B.A.	1971

Appointments

Professor, Department of Astronomy, Wellesley College	1994-
Associate Professor, Department of Astronomy, Wellesley College	1987-1994
Chair, Department of Astronomy, Wellesley College	1991-93,1994-1995,1997-
Director, Whitin Observatory, Department of Astronomy, Wellesley College	1989-
Visiting Scientist, Department of Earth, Atmospheric, and Planetary Sciences, MIT	1987-88
Principal Research Scientist, Dept. of Earth, Atmos., and Planetary Sci., MIT	1984-87
Assistant Professor, Department of Astronomy, Wellesley College	1980-84
Research Associate, Department of Earth, Atmospheric, and Planetary Sciences, MIT	1979-84

Publications

Related Publications

R. G. French, C. A. McGhee, L. Dones, and J. J. Lissauer (2003). "Saturn's wayward shepherds: The peregrinations of Prometheus and Pandora." *Icarus*, in press.

J. Cuzzi, **R. G. French**, and L. Dones (2002): "HST multicolor (255–1042 nm) photometry of Saturn's main rings. I. Radial profiles, phase and tilt variations, and regional spectra." *Icarus*, **158,** 199-223.

C. A. McGhee, P. D. Nicholson, **R. G. French**, and K. J. Hall (2001). "HST Observations of Saturnian satellites during the 1995 ring–plane crossings." *Icarus* **152**, 282–315.

R. G. French and P. D. Nicholson (2000): "Saturn's rings II: Particle sizes inferred from stellar occultation data." *Icarus*, **145,** 502–523.

P. D. Nicholson, **R. G. French**, J. N. Cuzzi, K. Matthews, O. Perković, R. J. Stover, E. Tollestrup, and J. Harrington (2000): "Saturn's rings I: Optical depth profiles from the 28 Sgr occultation." *Icarus*, **145,** 474–501.

Other Significant Publications

R. G. French, C. A. McGhee and B. Sicardy (1998). "Neptune's Stratospheric Winds from Three Central Flash Occultations." *Icarus* **136**, 27–49.

R. G. French, F. Roques, P. D. Nicholson, C. A. McGhee, P. Bouchet, S. A. Maene, E. C. Mason, and K. Matthews (1996). "Earth–based detection of Uranus' Lambda ring." *Icarus* **119**, 269–284.

R. G. French, P. D. Nicholson, M. L. Cooke, J. L. Elliot, K. Matthews, O. Perković, E. Tollestrup, P. Harvey, N. Chanover, M. A. Clark, E. Dunham, W. Forrest, J. Harrington, J. Pipher, A. Brahic, I. Grenier, F. Roques, and M. Arndt (1993): "Geometry of the Saturn system from the 3 July 1989 occultation of 28 Sgr and Voyager observations." *Icarus* **103**, 163-214.

R. G. French, P. D. Nicholson, C. C. Porco, and E. A. Marouf (1991): "Dynamics and structure of the Uranian rings." *Uranus*, J. T. Bergstralh, E. D. Miner, and M. S. Matthews, Eds., University of Arizona Press, 327-409.

R. G. French, J. L. Elliot, L. M. French, J. A. Kangas, K. J. Meech, M. E. Ressler, M. W. Buie, J. A. Frogel, J. B. Holberg, J. J. Fuensalida, and M. Joy (1988): "Uranian ring orbits from Earth-based and Voyager occultation observations." *Icarus* **73**, 349-378.

Synergistic Activities

"Teachers as Scholars," in which K–12 teachers have the opportunity to become students again and to immerse themselves in scholarly topics and issues through 2–3 day seminars taught by college faculty members.

Collaborators and Other Affiliations

Collaborators and Co–Editors

J. R. Acarreta, Laboratorio de Astrofísica y Física Fundamental - INTA, Spain
G. J. Black, University of Virginia
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J. N. Cuzzi, NASA Ames Research Institute
L. Dones, Southwest Research Institute
P. Drossart, Observatoire de Paris
P. Estrada, NASA Ames Research Center
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J.-L. Margot, California Institute of Technology
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F. Poulet, NASA Ames Research Center
N. J. Rappaport, Jet Propulsion Laboratory
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E. Tollestrup, Boston University
A. Verbiscer, University of Virginia

Graduate and Postdoctoral Advisors

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P. Gierasch, Cornell University, graduate thesis advisor
Carl Sagan, Cornell University, member of graduate thesis committee
J. Elliot, Cornell University, member of graduate thesis committee
J. Veverka, Cornell University, member of graduate thesis committee

Thesis advisor and Postgraduate–Scholar Sponsor

P. J. Gierasch, Cornell University, graduate thesis advisor