Charles A. Wood

Professional Preparation

University of Arizona	1965	BS	Astronomy
University of Arizona	1972	MS	Geophysics
Brown University	1977	MS	Geology
Brown University	1979	PhD	Planetary Geology

Appointments

Executive Director, Center for Educational Technologies, Wheeling, WV	2005-2014
Senior Scientist, Planetary Science Institute, Tucson, AZ	2004-present
Director of Education, Columbia University, Biosphere 2, Tucson, AZ	2001-2003
Chair, University of North Dakota, Department of Space Studies	1990-2000
Chester Fritz Distinguished Professor, University of North Dakota	1998-2000
Director, North Dakota Space Grant and NASA EPSCoR programs	1995-2000
Chief, NASA Johnson Space Center, Space Shuttle Earth Observations Office	1985-1990
Space Scientist, NASA Johnson Space Center, Planetary Science Branch	1980-1985

Publications

Wood, C. & D.D. Reese (2008). Selene – A videogame for learning about the Moon. *EPO and A Changing World* – ASP Conf. Series vol. 389, p. 109.
Wood, C. (2008) Science for Everyone: Visions for near future educational technology. *Intl J. of Information and Communication Technology Education* vol. 4, #4, p 62¬71.
M. Shirao and **C. Wood** (2011). *The Kaguya Lunar Atlas*. New York; Springer.
Wood, C. (1999-present). Exploring the Moon monthly column. *Sky & Telescope* magazine.
Wood, C. (2004-present). *Lunar Photo of the Day*. Access at http://lpod.moon.wikispaces.com

Other Significant Publications
Wood, C. et al (2009). Impact craters on Titan. *Icarus*, doi:10.1016/j.icarus.2009.08.021
Wood, C. et al. (2008). Degraded impact craters on Titan. *LPSC*, 39(1990).
Wood, C. (2003). *The New Moon: A Personal View*. Cambridge, MA: Sky Publishing Corp.
Wood, C. & Kienle, J. (1990). *Volcanoes of North America: US and Canada*. New York: Cambridge University Press

Synergistic Activities

1996-2000: Developed online MS in Space Studies, a pioneering online professional program.

1995-2000: Received NASA funding to use the Internet to distribute NASA remote sensing data to a wide audience. The project, *VolcanoWorld* (now at http://volcano.oregonstate.edu/) became one of the largest science sites on the web (with more than 22,000 html pages, and more than 4,000,000 unique visitors a year in 1998).

2000-2003, as Educational Director at Biosphere 2 developed and managed semester-long and summer immersive programs integrating field studies, lab experiments and theory as well as environmental science, policy and management.

2008-2009: Principal Investigator (NASA) - MicroNauts on-site space flight simulator for K-4 educational science experiences.

2009-2012: Lead Developer (NASA) - NASA Earth and Space. Create problem-based innovative online high school earth and space science courses. Includes teacher professional development component.

2008-2013: Co-I and Subject Matter Expert (NSF) - CyGaMEs educational video game development and research.

2008-2012: Principal Investigator (NASA) - Classroom of the Future, including MoonWorld virtual reality educational simulation.

2014 – 2019: Principal Investigator (NIH) – Pandem-Sim: Saving the World With Biology. $1.2 million. http://www.wju.edu/about/adm_news_story.asp?iNewsID=4235&strBack=%2FDefault.asp

Collaborators & Other Affiliations

i. Collaborators and Co-editors
O. Aharonson (Caltech), J. Barnes (Univ Idaho). M. Calinger (Wheeling Jesuit University), P. Callahan (JPL), T. Farr (JPL), A. Harrison (Wheeling Jesuit University), A. Hayes (Caltech), S. Hensley (JPL), M. Janssen (JPL), R. Jaumann (Astronomisches Institut, Muenster), R. Lopes (JPL), H. Keller (Observatory & Planetarium Stuttgart), R. Kirk (USGS-Flagstaff), R. Lorenz (Johns Hopkins-APL), A. Le Gall (JPL), C. Lightfritz (Wheeling Jesuit University), J. Lunine (Univ. of AZ), K. Mitchell (JPL), G. Mitri (JPL), F. Paganelli (JPL), R. Peckyno (Univ of Washington), D. Piecka (Wheeling Jesuit University), J. Radebaugh (B. Young University), D. Reese, (Wheeling Jesuit University), L. Ruberg (Wheeling Jesuit University), E. Schaller (Univ. of AZ), T. Shiplett (Wheeling Jesuit University), M. Shirao (unaffiliated, Japan), L. Soderblom (USGS-Flagstaff), C. Sotin (JPL), B. Stiles (JPL), E. Stofan (Proxemy Research), M. Tomasko (Univ. of AZ), E. Turtle (Johns Hopkins-APL), P. Valora (JPL), S. Wall (JPL), L. Wye (Stanford Univ), R. West (JPL), Y. Gim, Yonggyu (JPL), H. Zebker (Stanford Univ),

ii. Graduate Advisors and Postdoctoral Sponsors:
Thesis: James Head, John Imbrie, Tim Mutch, all at Brown University. Postdoc: Tom Simkin (retired),

iii. Thesis Advisor and Postgraduate-Scholar Sponsor:
None during last 5 years.