

# CURRICULUM VITAE

## J.L. WHITFORD-STARK

FOR FAST ACCESS CLICK ON ONE OF THE FOLLOWING:-

[PROFESSIONAL ACTIVITY](#)  
[UNIVERSITY SERVICE](#)  
[COMMUNITY SERVICE](#)  
[AWARDS AND ACHIEVEMENTS](#)  
[EMPLOYMENT](#)  
[OTHER QUALIFICATIONS](#)  
[RESEARCH GRANTS](#)  
[GRADUATE THESES SUPERVISED](#)  
[BOOKS PUBLISHED](#)  
[PUBLISHED PAPERS](#)  
[ABSTRACTS](#)



**Full Name:** James Leslie Whitford-Stark  
**Marital Status:** Married 1983, Seta Zaven  
**Children:** Amy Sylvia, born May 1985  
**Born:** September 28th, 1948. London, England.  
**Nationality:** British, Permanent Resident in the USA.

Send email to:

[jlwstark@sbcglobal.net](mailto:jlwstark@sbcglobal.net)

### Current Position:

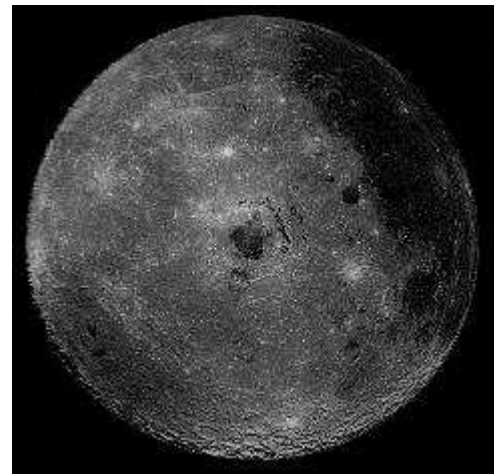
Professor  
Department of Geology/Chemistry  
Sul Ross State University  
Alpine, Texas 79832

### Education:

Ph.D. Geological Sciences  
Brown University, 1980  
M.Sc. Environmental Sciences  
University of Lancaster, 1975  
B.A. Geology / Geography (Joint Hons.)  
University of Keele, 1971

### Research:

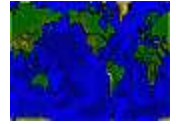
NASA P.I., Planetary Geology.





## Affiliations:

Geological Society of London, 1969.  
American Geophysical Union, 1977.  
American Society of Photogrammetry,  
Geological Society of America, Fellow 1988  
International Association of Volcanology  
Planetary Society  
Life Member National Rifle Association  
Life Member Texas State Rifle Association  
Life Member North American Hunting Club  
Member, Board of Scientists, Chihuahuan Desert Research Institute  
Associate Member, Sheriff's Association of Texas  
Member Royal Philatelic Society of London  
Member Great Britain Collectors Club  
Member ATA Earth Science Group  
Past President eBay Users Stamp Club



**Classes Taught:** Undergraduate: Air Photo Interpretation, Environmental, Fieldcamp, Forensic Geology, Geophysics, Historical, Metamorphic Petrology, Physical, Planetary Geology, Structure, Tectonics, Volcanoes Earthquakes & Dinosaurs, West Texas Geology, Volcanoes of West Texas.

Graduate: Dynamic Stratigraphy, Remote Sensing, Seminar, Structure of North America, Tectonics, Thermodynamics, Volcanology, Advanced Structure.

Classes include long-distance learning to The University of Texas at the Permian Basin and Midland College.

**Fieldwork:** Aruba, Belgium, Canada, Canary Islands, Curacao, Dominica, France, Iceland, Italy, Mexico, Netherlands, Puerto Rico, St. Thomas, U.K., U.S.A., Peoples Republic of China.

## Professional Activity

Session Chairman, 15th & 22nd Lunar and Planetary Science Conference, in Houston.  
Scientific reviewer for Science.  
Scientific reviewer for Journal of Geophysical Research.  
Scientific reviewer for Proceedings of the Lunar and Planetary Science Conferences.

Scientific Reviewer for N.A.G.T.  
Scientific Reviewer for Geotimes  
Scientific reviewer for Geological Society of America.  
Scientific Reviewer for IAVCEI  
Reviewer for Grant Proposals, National Science Foundation, Division of Earth Sciences.  
Reviewer for Grant Proposals, National Science Foundation, International Division.  
Reviewer for Grant Proposals, NASA Geology and Geophysics Program.  
Consultant to the Global Volcanism Project under the direction of Dr. T. Simkin at the Smithsonian Institution, Washington, D.C.  
Member of Board of Scientists, Chihuahua Desert Research Institute  
Panel member for NSF Instrumentation and Laboratory Improvement  
Representative to Texas Space Grant Consortium  
Ran interdisciplinary Course for Remote Sensing funded by NSF through UTEP.  
External Ph.D. Examiner, Brown University  
Webmaster, www.iomoon.com  
Member, LPI Lunar Consortium for Higher Education

[GO TO TOP](#)

### **University Service**

Research Committee, 1982-1988, 1990- 4  
Scholarship Committee, 1985-1988  
University Mission Committee, 1985  
University Institutional Purpose committee, Chairman, 1986-1988.  
Southern Association Self-Study steering Committee, 1986-1988.  
Academic Affairs Council, 1988-1992  
Education Committee 1991-93  
Computer Committee 1994-96  
Sponsor, Sigma Gamma Epsilon, Geology Honors Society.  
Chairman, Curriculum Council  
Graduate Council  
Web Services Advisory Committee  
Arts and Sciences Promotion and Tenure Committee

[GO TO TOP](#)

### **Community Service**

Past-President and secretary of the Noon Lions Club of Alpine.  
Secretary and Range Officer, Big Bend Sportsman Club.  
Lectures to Sunshine House and Big Bend Gem and Mineral Society  
Field trip Leader for Big Bend Gem and Mineral Society

Lecture to Midland Philatelic Society  
Certified NRA Instructor  
Field trip for Brown University  
Lectures to Chihuahan Desert Research Institute

[GO TO TOP](#)

### **Awards and Achievements**

Fellow of the Geological Society of America.  
Listed in "Who's Who on the Frontiers of Science."  
Listed in "Who's Who in American Science  
Listed in Texas Who's Who  
Listed in American Men and Women of Science  
Listed in "Who's Who in the World"

[GO TO TOP](#)

### **Employment**

1969

Field Geologist for three month summer vacation for the "Radiogeology and Rare Minerals Unit Institute of Geological Sciences, London. " Based in Caithness and Sutherland, Scotland. Work subject to the Official Secrets Act- involved geochemical and geophysical radioactive mineral exploration.

1969-70

Winter vacation. Cartographer for the Institute of Geological Sciences, London.

1971-76

Research Assistant to Dr. Gilbert Fielder, Lunar and Planetary Unit, Department of Environmental Sciences, University of Lancaster, England. Work included research on Lunar and Martian tectonics and volcanism, cartography, teaching cartography and field mapping, and curating the cartographic and photo libraries.

1975

Consultant to the Open University, England. Work involved the preparation of a senior-level teaching text.

1976-77

Teaching Assistant, Department of Geological Sciences, Brown University, Providence, Rhode Island. Teaching Paleontology lab and assisting in the teaching of Planetary Geology and Pollution in the Environment.

1977-80

Research Assistant, Department of Geological Sciences, Brown University. Research in Planetary Geology.

1980-82

Visiting Assistant Professor, Department of Geology, University of Missouri, Columbia. Research and teaching Planetary Geology and Remote Sensing.

1982-87

Assistant Professor, Department of Geology, Sul Ross State University, Texas. Teaching and Planetary Geology and Remote Sensing Research.

1987-1992

Associate Professor, Chairman, Department of Geology, Sul Ross State University. Tenured 1988.

1993-

Professor, Department of Geology, Sul Ross State University

[GO TO TOP](#)

### **Other Qualifications**

Fluent in written French, passable verbal.

Can read Chinese with difficulty.

Experience with CP/M and MSDOS computer operating systems.

Running graphics lab with Ethernet LAN and CDROM.

Computer Languages: Fortran, Basic, Pascal, Turbo C.

Database Programs: Dbase IV, Foxpro, Reflex, Paradox.

Spreadsheets: Quattro, Quatro Pro.

Wordprocessing: Wordstar, Wordperfect.

Certified NRA Pistol Instructor.

[GO TO TOP](#)

### **Research Grants**

Photogeologic and remote sensing analysis of planetary volcanism and tectonics. NASA NAGW-243, Oct 81-82, \$ 15,000

Galilean Satellite Mapping Project. NASA NAGW-170, April 82-83, \$10,000.

Photogeologic and Remote Sensing analysis of planetary volcanism and tectonics. NASA NAGW-394, March 83-84, \$ 15,000

Galilean Satellite Mapping. NASA NAGW-382, Oct 82-83, \$ 7,225.

Galilean Satellite Mapping. NASA NAGW-605, Mar 84-86, \$ 18,487.

Remote Sensing and Volcanology of the terrestrial planets. NASA NAGW-605, Oct 86-87. \$ 5,000

Geochemical analysis of samples collected from locations sampled by the Space Shuttle SMIRR instrument. Chihuahua Desert Research Project, State of Texas, 1983-87, \$ 6,000 annual.

Volcanology of Changpaishan, Jilin Province, People's Republic of China. National Science Foundation US-China Cooperative Science Program. \$ 59,194. 1988-90

Remote Sensing and Volcanology of the terrestrial planets. NASA. \$ 14,000. 1989-90

Funding for Advanced Graphics Computing Laboratory. National Science Foundation, \$

113,800. 1989-91.

Correlation of eruption conditions and compositions of lunar lavas. NASA. \$ 13,530, 1992-1993

Improved access to an ideal natural laboratory. NSF ILI \$ 15,587

[GO TO TOP](#)

### **Graduate Theses Supervised**

Ebisch, J.F. 1984 Geology and geochemistry of the Belt Supergroup within the Big Cedar Gulch area, Sanders County, Montana. MS thesis, Sul Ross State University. 154pp.

Mueller, B.D. 1984 The development and evaluation of a new completion method for oil production in the Permian Dorward Field of West Texas. M.S. thesis, Sul Ross State University. 40pp.

Blount, H.G. 1985 An interpretation of Shuttle Multi-spectral Infrared Radiometer data for a portion of the Trans-Pecos, Texas. M.S. Thesis, Sul Ross State University. 128pp.

Brister, B. 1986 Structural geology of the Horse Peak area, Southern Eagle Mountains, Hudspeth County Texas. M.S. Thesis, Sul Ross State University. 121pp

Cox, M. 1986 Stylolites in the Novaculite Members, Caballos Formation, Marathon Basin, Texas. M.S. Thesis, Sul Ross State University, 174 pp.

Gadou, G. 1987 Petrologic analysis of faults, Dugout Mountain, Brewster County, Texas. M.S. Thesis, Sul Ross State University.

O'Connor, M. 1988 Structural geology of Dugout Mountain, Brewster County, Texas. M.S. Thesis, Sul Ross State University.

Tellez, J. 1988 Characterization of non-lithologic responses in Shuttle Multispectral Infrared Radiometer data and comparison with Landsat imagery for a portion of the Trans Pecos, Texas. M.S. Thesis, Sul Ross State University.

Baker, R. 1989 Geochemistry and textures of volcanic materials sampled by the Shuttle Multispectral Infrared Radiometer for a portion of the Trans Pecos Texas. M.S. Thesis, Sul Ross State University.

Seiler, T.J. 1990, Structural Geology of Black Peaks, Grapevine Hills, Rosillos Mountains, and Dawson Creek regions in the Big Bend National Park, Brewster County, Texas. M.S. Thesis, Sul Ross State University, 105 pp.

Gruaseah, P. 1990, Geological analysis of Sheep Canyon and Cottonwood Springs Basalts for road aggregates, Brewster County, Texas. M.S. Thesis, Sul Ross State University, 215pp.

[GO TO TOP](#)

## **List of Publications**

**J.L. Whitford-Stark**

### **BOOKS**

Whitford-Stark, J.L. (Consultant) 1976 *Lunar Geology Case Study*. The Open University Press, Milton Keynes. 116 pp.

Whitford-Stark, J.L. 1987 *A Survey of Cenozoic volcanism on mainland Asia*. Geological Society of America Special Paper 213, 74 pp.

Whitford-Stark, J.L. 2000 *Volcanoes on stamps*

Whitford-Stark, J.L. *Volcanoes on Stamps 2007*

### **PUBLISHED PAPERS**

Whitford-Stark, J.L. 1973 Vesicles and related structures in lavas. *Geol. Jl.* 8, 317-332.

Whitford-Stark, J.L. 1974 Internal origin for lunar rilled craters and the maria ? *Nature* 248, 573-574.

Whitford-Stark, J.L. 1975 A detailed structural analysis of the Deslandres area of the Moon. *Icarus* 21, 457-465.

Whitford-Stark, J.L. and Fryer, R.J. 1975 Origin of Mare Frigoris. *Icarus* 26, 231-242.

Whitford-Stark, J.L. 1975 Shield Volcanoes. in, *Volcanoes of the Earth, Moon, and Mars* (G.Fielder and L.Wilson, Eds), St.Martins Press, N.Y. p. 66 - 74.

Whitford-Stark, J.L. 1975 Cone Volcanoes. in, *Volcanoes of the Earth, Moon, and Mars* (G.Fielder and L.Wilson, Eds), St.Martins Press, N.Y. p. 75-88.

Whitford-Stark, J.L. 1975 *Lunar Studies: 1960's to 1974 - A review*. M.Sc. Thesis, University of Lancaster, Unpublished, 451 pp.

Whitford-Stark, J.L. and Wilson, L. 1976 Atmospheric motions produced by hot lavas. *Weather* 31, 25-27.

Fielder, G., Fryer, R.J., Gash, P.J.S., Whitford-Stark, J.L., and Wilson, L. 1976 Lineament patterns on the Moon, Mars, and Mercury. In, *Proc. 1st Internat. Conf. on the New Basement Tectonics* (R.A.Hodgson et al., Eds). Utah Geological Association Publ. # 5, p. 379-381.

Whitford-Stark, J.L. and Head, J.W. 1977 The Procellarum volcanic complexes: contrasting styles of volcanism. *Proc. Lunar Sci. Conf. 8th.* p. 2705-2724.

Wood, C.A., Whitford-Stark, J.L., and Head, J.W. 1977 *Iceland Field Itinerary Basaltic Volcanism Study Project Contrib. # 6*, The Lunar and Planetary Institute, Houston, Tx. 53 pp.

Whitford-Stark, J.L. 1978 Review of "Remote Sensing: Principles and Interpretation" by F.F.Sabins. *J. Geol. Education*, 26, pp. 171-172.

Whitford-Stark, J.L. 1979 Charting the Southern Seas: The Evolution of the lunar Mare Australe. *Proc. Lunar Planet. Sci. Conf. 10th.* p. 2975-2994.

Pieters, C.M., Head, J.W., Adams, J.B., McCord, T.B., Zisk, S.H., and Whitford-Stark, J.L. 1980 Late high titanium basalts of the western maria: geology of the Flamsteed region of the Moon. *J. Geophys. Res.* 85, pp. 3913-3938.

Whitford-Stark, J.L. 1980 Lunar surface morphology and stratigraphy: a remote-sensing synthesis. *J. Brit. Astron. Ass.* 90, pp. 312-345.

Whitford-Stark, J.L. and Head, J.W. 1980 Stratigraphy of Oceanus Procellarum basalts: sources and styles of emplacement. *J. Geophys. Res.* 85, pp. 6579-6609.

Head, J.W., Bryan, W.B., Greeley, R., Guest, J.E., Schultz, P.H., Sparks, R.S.J., Walker, G.P.L., Whitford-Stark, J.L., Wood, C.A., and Carr, M.H. 1980 Distribution and morphology of basalt deposits on Planets. In, *Basaltic Volcanism on the Terrestrial Planets*, Pergamon, N.Y. pp. 701-800.

Whitford-Stark, J.L. 1980 Graduate Geology in the U.S.A. *The British Geologist* 6, 34-36.

Whitford-Stark, J.L. 1980 Catalog of Terrestrial Crateriform Structures, Part 3: Northern Europe. In, *Advances in Planetary Geology* NASA TM-83089, p. 3-185.

Whitford-Stark, J.L. 1980 Reply to G.J.H.McCall. *J. Brit. Astron. Ass.* 90, pp. 473-474.

Whitford-Stark, J.L. 1981 Reply to V.A.Firsoff. *J. Brit. Astron. Ass.* 91, pp. 89-90.

Whitford-Stark, J.L. 1981 Review of "Volcanic features of Hawaii - a basis for comparison with Mars," by M.H.Carr and R.Greeley. *Volcano News*, 6, pp.3.

Whitford-Stark, J.L. 1981 Review of "Remote Sensing Laboratory Manual" and "Instructors key for Remote Sensing Laboratory Manual" by F.F.Sabins. *J. Geol. Education*, 29, pp. 197.

Whitford-Stark, J.L. 1981 The evolution of the Nectaris multi-ring basin. *Icarus*, 48, pp. 393-427.

Whitford-Stark, J.L. 1981 Modification of multi-ring basins: the Imbrium model. In, *Multi-ring Basins: Formation and Evolution*. Pergamon, N.Y. pp. 113-124.

Whitford-Stark, J.L. 1982 Factors influencing the morphology of volcanic landforms: an Earth-Moon comparison. *Earth Science Reviews* 18, pp. 109-168.

Whitford-Stark, J.L. 1982 A preliminary analysis of lunar extra-mare basalts: Distribution, compositions, ages, volumes, and eruption styles. *The Moon and Planets* 26, pp. 323-338.

Whitford-Stark, J.L. 1982 Tharsis volcanoes: Separation distances, relative ages, sizes, morphologies, and depths of burial. *J. Geophys. Res.*, 87, pp. 9829-9838.

Wood, C.A. and Whitford-Stark, J.L. 1982 Eruption forecast for Krafla caldera. *EOS* 63, pp. 505.

Whitford-Stark, J.L. and Wood, C.A. 1983 Krafla revisited. *EOS* 64, pp. 452.

Whitford-Stark, J.L. 1983 Cenozoic volcanic and petrochemical provinces of mainland Asia. *J. Volcanol. Geotherm. Res.* 19, pp. 193-222.

Whitford-Stark, J.L. 1983 A comparison of the origin and evolution of a circular and an irregular lunar mare. In, *Advances in Planetary Geology*, NASA TM-85630, pp. 127-353.

Whitford-Stark, J.L. 1983 Review of "The Ring of Fire: Volcanoes, Earthquakes and the Violent Shore," by David Ritchie. *Volcano News* 14, pp. 3.

Whitford-Stark, J.L. 1985 Lunar volcanism, *Volcano News*, 21, p. 2-3.

Whitford-Stark, J.L. 1985 Alkalic rocks and kimberlites, Conference Report. *Volcano News*, 21, p. 16.

Feng, M. and Whitford-Stark, J.L. 1986 The 1719-21 eruptions of potassium-rich lavas at Wudalianchi, China. *J. Volcanol. Geotherm. Res.* 30, 131-148.

Cox, M.A., and Whitford-Stark, J.L., 1987, Stylolites in the Caballos Novaculite, West Texas. *Geology*, v. 15, 439-442.

Whitford-Stark, J.L., 1990, The volcanotectonic evolution of Mare Frigoris. *Proceedings of the 20 th. Lunar and Planetary Science Conference*, Cambridge University Press, p. 175-185.

Whitford-Stark, J.L., 1990, A review and new interpretation of structural deformation of the Paleozoic sequence at Persimmon Gap, Big Bend National Park, Texas. *Geology of the Big Bend and Trans-Pecos region*, Fieldtrip Guidebook of the South Texas Geological Society P.W. Dickerson, M.S. Stevens, and J.B. Stevens, eds. p. 176-194.

Whitford-Stark, J.L., 1990, Volcanoes: Shield Volcanoes. *Magill's Survey of Science: Earth Science Series*. p. 2681-2687.

Whitford-Stark, J.L. 1990, Volcanoes: Types of eruption. *Magill's Survey of Science: Earth Science Series*, p. 2695-2700.

Whitford-Stark, J.L., 1990, Lunar maria. *Magill's Survey of Science: Earth Science Series*, p. 1408-1413.

Whitford-Stark, J.L., 1990, Lunar craters. *Magill's Survey of Science: Earth Science Series*, p. 1393-1399.

Whitford-Stark, J.L., 1990, Remote Sensing Part 1: The Equipment. *Chihuahua Desert Discovery*, Winter 1990, p. 12-13.

Whitford-Stark, J.L., 1990, Remote Sensing Part 2: Geographic data analysis. *Chihuahua Desert Discovery*, Summer 1990, p. 8-9.

Whitford-Stark, J.L., Mougini-Mark, P.J., and Head, J.W. 1991 Geologic map of the Lerna I4 quadrangle of Io. *U.S. Geol. Survey Misc. Inv. Ser. Map I-2055*.

Whitford-Stark, J.L., 1994, Volcanological Crossword. *Volcano Quarterly*, Vol. 3, No.3, p.14

Whitford-Stark, J.L., 1994, The education of a volcanologist. *Volcano Quarterly*, Vol. 3, No.4, p.14.

Whitford-Stark, J.L., 1997, Visitors from the Heavens: Meteorites and the Chihuahuan Desert. *Chihuahuan Desert Discovery*, Summer/Fall 1997, p 6-8.

[GO TO TOP](#)

## ABSTRACTS

Whitford-Stark, J.L. 1974 Volcanoes on the near side of the Moon. *Jl. Geol. Soc. London*. 130, p. 180.

Whitford-Stark, J.L. and Head, J.W. 1977 The Procellarum volcanic complexes: contrasting styles of volcanism. *Lunar Science VIII*. The Lunar and Planetary Institute, Houston, TX. pp.1008-1010.

Whitford-Stark, J.L. and Head, J.W. 1977 Oceanus Procellarum: volcanic and tectonic evolution. *Lunar Science VIII*. The Lunar and Planetary Institute, Houston, TX. pp. 1011-1013.

Whitford-Stark, J.L. 1977 Varying volcanic conditions on the Moon and Earth. *IASPEI/IAVCEI Joint Assembly, Durham, 1977*. p.254.

Whitford-Stark, J.L. 1978 Studies of wall morphologies of lunar craters. *Meteoritics*, 13, p. 668.

Whitford-Stark, J.L. and Head, J.W. 1978 Oceanus Procellarum: preliminary basalt stratigraphy and emplacement history. *Lunar and Planetary Science IX*. The Lunar and Planetary Institute, Houston, TX. pp. 1250-1252.

Whitford-Stark, J.L. 1979 Charting the Southern Seas: the evolution of the lunar Mare Australe.

*Lunar and Planetary Science X*. The Lunar and Planetary Institute, Houston, TX. pp. 1341-1343.

Whitford-Stark, J.L. and Hawke, B.R. 1979 Impact melts associated with the formation of the lunar crater Tsiolkovsky. *Reports of Planetary Geology Program, 1978-79*. NASA TM-80339, pp. 163-165.

Whitford-Stark, J.L. 1979 The Cenozoic volcanism of central and eastern mainland Asia excluding Kamchatka: eruption styles. *Hawaiian symp. on Intraplate Volcanism and Submarine Volcanism*. pp. 29.

Whitford-Stark, J.L. 1979 Plateau basalts and shield volcanoes of eastern Asia. *Hawaiian Symp. on Intraplate Volcanism and Submarine Volcanism*. pp.30.

Whitford-Stark, J.L. 1980 Problems associated with the identification of magma composition from volcanic landforms. *Reports of Planetary Geology Program, 1979-80*. NASA TM-81776 pp.195-197.

Whitford-Stark, J.L. 1980 The gravity anomalies of Oceanus Procellarum. *Reports of Planetary Geology Program, 1979-80*, NASA TM-81776, pp. 22-24.

Whitford-Stark, J.L. 1980 The craters of Mare Imbrium. *Lunar and Planetary Science XI*, The Lunar and Planetary Institute, Houston, TX, pp. 1242-1244.

Whitford-Stark, J.L. 1980 The stratigraphy of Mare Imbrium. *Lunar and Planetary Science XI*, The Lunar and Planetary Institute, Houston, TX. pp. 1245-1247.

Mouginis-Mark, P.J., Cintala, M.J., and Whitford-Stark, J.L. 1980 Geological constraints for the Solis Planum "oasis" on Mars. *Lunar and Planetary Science XI*, The Lunar and Planetary Institute, Houston, TX. pp. 762-764.

Head, J.W., Solomon, S.C., and Whitford-Stark, J.L. 1980 Oceanus Procellarum region: evidence for an anomalously thin early lunar lithosphere. *Lunar and Planetary Science XI*, The Lunar and Planetary Institute, Houston, TX. pp. 424-425.

Whitford-Stark,J.L. and Head,J.W. 1980 Stratigraphy of Oceanus Procellarum basalts: sources and styles of emplacement. *EOS* 61, pp. 527.

Pieters,C.M., Head,J.W., Adams,J.B., McCord,T.B., Zisk,S.H., and Whitford-Stark,J.L. 1980 Late high titanium basalts of the western maria: geology of the Flamsteed region of Oceanus Procellarum. *EOS* 61, pp.605.

Whitford-Stark,J.L. 1980 Lunar basin formation and subsequent crustal modification. *Multi-ring Basins: Formation and Evolution*. The Lunar and Planetary Institute, Houston, TX. pp.106-108.

Whitford-Stark,J.L. 1980 A simple geometric test of the nested crater model of ring formation. *Multi-ring Basins: Formation and Evolution*, The Lunar and Planetary Institute, Houston, TX. pp. 109-111.

Whitford-Stark,J.L. 1980 Imbrium: the ring unbroken. *Multi-ring Basins: Formation and Evolution*, The Lunar and Planetary Institute, Houston, TX. pp. 103-105.

Whitford-Stark,J.L. and Mouginis-Mark,P.J. 1980 Morphometry of craters and calderas on Io as an indicator of eruptive style. *Reports of Planetary Geology Program-1980*. NASA TM-82385 pp.34-36.

Whitford-Stark,J.L. 1981 Lunar basalt distribution and the number of vents. *Lunar and Planetary Science XII*, The Lunar and Planetary Institute, Houston, TX, pp. 1182-1184.

Whitford-Stark,J.L. 1981 Characteristics of lunar extra-mare basaltic volcanism. *Lunar and Planetary Science XII*, The Lunar and Planetary Institute, Houston, TX, pp. 1179-1182.

Whitford-Stark,J.L. 1981 Spatial analysis of Tharsis and Hebridean igneous centers. *Third International Colloquium on Mars*. The Lunar and Planetary Institute, Houston, TX, pp. 273-275.

Babei,A. and Whitford-Stark,J.L. 1981 Hydraulic fracturing on Mars? *Third International Colloquium on Mars*. The Lunar and Planetary Institute, Houston,TX, pp. 9-11.

Whitford-Stark,J.L. 1981 Cenozoic Asian Volcanism. *Reports of Planetary Geology Program-1981*. NASA TM-84211, pp. 180-182.

Whitford-Stark,J.L. 1981 Albedo changes in lava. *Reports of Planetary Geology Program-1981*. NASA TM-84211, pp. 153-155.

Whitford-Stark,J.L. 1981 The Nectaris basin. *Reports of Planetary Geology Program-1981*. NASA TM-84211, pp.117-119.

Whitford-Stark,J.L. 1981 Tharsis volcano burial. *Reports of Planetary Geology Program-1981*, NASA TM-84211, pp. 150-152.

Hawke,B.R. and Whitford-Stark,J.L. 1982 The Chernier crater flows: evidence for an origin as Tsiolkovsky impact melt. *Lunar and Planetary Science XIII*, The Lunar and Planetary Institute, Houston, TX. pp. 310-311.

Whitford-Stark,J.L. and Hawke,B.R. 1982 Geologic studies of the lunar far side crater Tsiolkovsky. *Lunar and Planetary Science XIII*, The Lunar and Planetary Institute, Houston, TX. pp. 861-862.

Whitford-Stark,J.L. 1982 The Mountains of Io. *Lunar and Planetary Science XIII*. The Lunar and Planetary Institute, Houston,TX, pp.859-860.

Whitford-Stark, J.L. 1982 Gravitational effects on caldera formation, *Lunar and Planetary Science XIII*. The Lunar and Planetary Institute, Houston,TX, pp.857-858.

Whitford-Stark, J.L. 1982 Tharsis volcanoes: separation distances, relative ages, sizes, morphologies, and depths of burial. *EOS* 63, pp. 535.

Whitford-Stark, J.L. 1982 Venus, Asian volcanotectonics, and Landsat and Shuttle Imagery. *Reports of Planetary Geology Program-1982*, NASA TM-85127, pp.95-98.

Hawke,B.R. and Whitford-Stark,J.L. 1982 The origin of the Chenier crater flows. *Reports of Planetary Geology Program - 1982*. NASA TM-85127, pp.152-154.

Whitford-Stark, J.L. 1983 Frigoris revisited. *Lunar and Planetary Science XIV*, The Lunar and Planetary Institute, Houston, TX, pp.843-844.

Mouginis-Mark, P.J., Whitford-Stark, J.L., and Head, J.W. 1983 New models for landform evolution on Io, *Reports of Planetary Geology Program-1983*. NASA TM-86246, pp. 32-33.

Mouginis-Mark, P.J., Whitford-Stark, J.L., and Head, J.W. 1983 Ionian landforms: New models for their origins, *DPS abstract*.

Whitford-Stark, J.L. 1984 A preliminary examination of manned lunar bases from a geological viewpoint. *Lunar and Planetary Science XV*, The Lunar and Planetary Institute, Houston, TX, pp. 908-909, 1984.

Blount, H.G. and Whitford-Stark, J.L. 1985 Analysis of SMIRR data for volcanic and sedimentary terrains of the Trans-Pecos region, Texas. *Reports of Planetary Geology and Geophysics Program-1984*, NASA TM-87563 p. 432-433.

Whitford-Stark, J.L. 1985 Cenozoic alkaline volcanic provinces of mainland Asia. *Abstracts with Programs, South Central G.S.A.* p.197.

Blount, H.G. and Whitford-Stark, J.L. 1986 Identification of geological units representing the spectra obtained by the Shuttle Multispectral Infrared Radiometer for a portion of the Trans-Pecos, Texas. *Reports of Planetary Geology and Geophysics Program - 1985*. NASA TM-88383 502-504.

Whitford-Stark, J.L. 1986 The geology of the lunar Mare Fecunditatis. *Lunar and Planetary Science XVII*, The Lunar and Planetary Institute, Houston, Texas, p.940-941.

Whitford-Stark, J.L., and Wood, C.A., 1987, The value of eruption forecasts: The Krafla experience. *Hawaii Symposium on How Volcanoes Work*. p 267.

Whitford-Stark, J.L., 1987, Crustal and subcrustal nodules in ejecta from Kilbourne Hole Maar, New Mexico. *Reports of Planetary Geology Program - 1986*. NASA TM-89810, p.362.

Tellez, J.R. and Whitford-Stark, J.L. 1988, SMIRR data analysis of west Texas: Enhancement of lithologic signatures. *Lunar and Planetary Science XIX*, The Lunar and Planetary Institute, Houston, Texas, p. 1187-1188.

Whitford-Stark, J.L., 1988, Remote sensing for natural resources in west Texas. *The Third Symposium on Resources of the Chihuahuan Desert: U.S. and Mexico*, Sul Ross State University, p. 12.

Whitford-Stark, J.L., 1989, Application of remote sensing techniques to alkaline volcanic rocks: Trans-Pecos, Texas. *Lunar and Planetary Science XX*, The Lunar and Planetary Institute, Houston, Texas, p. 1197-1198.

Whitford-Stark, J.L., 1989, Applications of remote sensing to the Trans-Pecos volcanic field of west Texas and Mexico. *Workshop on Geochemistry of Trans-Pecos magmatism: evolution of an intracontinental province*. p. 44-48.

Feng Maoseng, Li Jiazhen, and J.L. Whitford-Stark, 1989, The Changbaishan volcanoes of eastern China. In, *Reports of the Planetary Geology Program, 1989*. p. 411-413.

Whitford-Stark, J.L., 1990, Applications of remote sensing to the Trans-Pecos region of west Texas and Mexico. *Symposium on Mineral Resources of the Chihuahua Desert Region*, University of Texas at El Paso, February 16th and 17th, 1990.

Whitford-Stark, J.L., 1990, A quick and dirty way of reading the browse files on the "Voyager to the Outer Planets" CD-ROM disks on a MSDOS PC. *Reports of the Planetary Geology Program, 1990*, 588-589.

Whitford-Stark, J.L., 1990, Baitoushan: An Asian volcano with a long and varied history. *Geological Society of America Abstracts with Program*, 22, p. 350

Feng, M., Wei, H-C., McCurry, M., Walker, G.P.L., Whitford-Stark, J.L., Zhang, C., and Zhang, Y., 1990, Baitoushan - Site of a major Holocene ignimbrite eruption in China. *EOS, Transactions, American Geophysical Union*, 71, p. 1713.

Whitford-Stark, J.L., 1991, Lunar sinuous rilles: Is there a correlation between eruption style and lava composition? *Lunar and Planetary Science XXII*, The Lunar and Planetary Institute, Houston, TX, p. 1499-1500.

[GO TO TOP](#)