

## TEXAS STATE VITA

### I. Academic/Professional Background

A. Name: René A. De Hon

Title: Senior Lecturer

### B. Educational Background

<i>Degree</i>	<i>Year</i>	<i>University</i>	<i>Major</i>
Ph.D.	1970	Texas Tech University	Geology/Geochemistry
Dissertation: Photogeologic Study of the Agrippa Region of the Moon			
MS	1964	Texas Tech University	Geology
Thesis: A Maar Origin for Hunts Hole, Dona Ana Co., New Mexico			
BS	1960	University of Texas at El Paso	Geology

### C. University Experience

<i>Position</i>	<i>University</i>	<i>Dates</i>
Senior Lecturer	Texas State University	2007-
Instructor	Semester at Sea, Univ. of Pittsburgh	Spring 2005
Professor	University of Louisiana at Monroe	1987-2005
Associate Professor	Northeast Louisiana University*	1977-1987
Associate Professor	University of Arkansas at Monticello	1975-1977
Assistant Professor	University of Arkansas at Monticello	1962-1975
Assistant Professor	Northwestern State University of La.	1967-1972
Teaching Assistant	Texas Tech University	1964-1967
Laboratory Assistant	Univ. of Texas at El Paso	1962-1964

*\*Name changed From Northeast Louisiana University to The University of Louisiana at Monroe*

### D. Relevant Professional Experience

<i>Position</i>	<i>Entity</i>	<i>Dates</i>
Survey Crew Chief	Braswell and Assoc. Engineering, Monroe, La.	Summer 1993
NASA-ASEE Intern	Geology/Geochemistry, Johnson Space Center	Summer 1965
Field Geologist	U.S. Geological Survey, Rico and Silverton, CO	Summer 1964

E. Other Professional Credentials (licensure, certification, etc.)		
Imaging Radar Training	Goodyear Aerospace	1980
Practical Approach to Groundwater Hydrology	Oklahoma State University	1995

## II. TEACHING

### A. Teaching Honors and Awards:

### B. Courses Taught:

At Northwestern State Univ. of Louisiana, University of Arkansas at Monticello, University of Louisiana at Monore, Semester at Sea, and Texas State University.

Clay Mineralogy\*  
 Crystallography and Mineralogy  
 Economic Geology (Metals)  
 Field Methods  
 General Geology  
 Geology Field Camp (Instructor and Director)  
 Geology Field Methods  
 Geomorphology  
 Geomorphology/Structural Geology (Taught as a one semester survey)  
 Groundwater Geology  
 Historical Geology  
 Igneous and metamorphic Petrology\*  
 Introduction to Weather and Atmosphere  
 Mineralogy Natural Disasters Geomorphology  
 Petrology  
 Physical Geology  
 Planetary Geology\*  
 Rocks and Minerals (one semester survey course)  
 Sedimentation and Stratigraphy  
 Structural Geology  
 X-Ray and Optical Mineralogy\*  
 X-Ray Diffraction Techniques\*

*\*Taught at graduate level*

### C. Graduate Theses/Dissertations or Exit Committees (if supervisor, please indicate):

At ULM:

MS Thesis Committee Chairman and Committee Member (Geology):

Chaired: 8-10 MS Thesis

Committee Member: approx. 20 MS Thesis

PhD Dissertation Committee Member (Pharmacy); Committee member approx. 5

At Texas State University:

Reader: David M. Yelacic, 2010, Proyecto Arqueológico Y Paleontológico Chivacabe:  
A Geomorphic and Geoarchaeological Investigation of Late Quaternary Environments  
in Northwestern Highlands Guatemala.

D. Courses Prepared and Curriculum Development:

At Texas State: Petrology 4 hr lecture lab

Survey of Economic Geology 4 hr lecture lab

Planetary Geology 3 hr lecture

Earth Materials 4 hr lecture lab

E. Funded External Teaching Grants and Contracts:

F. Submitted, but not Funded, External Teaching Grants and Contracts:

G. Funded Internal Teaching Grants and Contracts:

H. Submitted, but not Funded, Internal Teaching Grants and Contracts:

I. Other:

### **III. SCHOLARLY/CREATIVE**

A. Works in Print

1. Books (if not refereed, please indicate)

a. Scholarly Monographs:

See 7. Other

b. Textbooks:

c. Edited Books:

See 7. Other

## d. Chapters in Books:

Landforms of Other Planets, 2017 in *The International Encyclopedia of Geography*, John Wiley Publ.

Meteor Impact Hazard, 2016, Ch 14 in *Biological and Environmental Hazards, Risks, and Disasters*, Elsevier Press.

Hydrologic Provinces on Mars, 2010, in *Lakes on Mars*, N.A. Cabrol and E.A. Grin (eds.), Elsevier Press , 69-90.

## d. Creative Books:

## 2. Articles

## a. Refereed Journal Articles:

De Hon, R.A., P.A. Washington, L.N. Glawe, L.M. Young, and E.A. Morehead, 2001, Formation of northern Louisiana ironstones: Gulf Coast Assoc. Geological Societies Transactions, v. 51, 55-61.

Earl F. Emery, Thomas Junk, Ray E. Ferrell Jr., René De Hon, and Lester G. Butler (2001) Solid-State <sup>2</sup>H MAS NMR Studies of TNT Absorption in Soil and Clays: *Environmental Science and Technology*, 35, 2973-2978.

De Hon, R.A., N.G. Barlow, M.K. Reagan, V.G. Gulick, L.S. Crumpler, J.C. Aubele, M.G. , Chapman, and K.L. Tanaka (2001) Remote observation of the geology and geomorphology of the 1999 Marsokhod test site: *J. Geophys. Res.* 106, 7665-7682.

De Hon, R.A. and P.J. Mougini-Mark, 1998, Geologic Map of the Galaxias Quadrangle (MTM 35217), U.S. Geological Survey Misc. Inves. Map I-2579, scale 1:500,000.

Rice, J.W. and R.A. De Hon, 1996, Geologic Map of the Darvel Quadrangle [MTM 20052], Maja Valles Region of Mars: U.S. Geol. Surv. Misc. Inves. Map I-2432, scale 1:500,000.

M.A. Khan, R.A. De Hon, W.M. Wilber, and S.K. Singh, 1996, Physical stability of beads coated with an experimental latex at exaggerated conditions of temperature and humidity.

Pizzolato, W.N. and R.A. De Hon, 1995, Lead-210 derived sedimentation rates from a paper mill effluent reservoir: *Clays and Clay Minerals* 43, n.5, 515-524.

Karnachi, A.A., R.A. De Hon, M.A. Khan, 1995, Plackett-Burman screening of micromatrices with polymer mixtures for controlled drug delivery: *Pharmazie* 50, 550-553.

Karnachi, A.A., R.A. De Hon, and M.A. Khan, 1995, Compression of indomethacin coprecipitates with polymer mixtures: Effect of preparation methodology: *Drug Development in Industrial Pharmacy*, 21(12), 1473-1483.

- Clark, P.E., S. Joerg, and R.A. De Hon, 1994, Searching the Sinus Amoris: Using profiles of geologic units, impact and volcanic features to characterize a major terrane interface of the moon: *Earth, Moon, and Planets* 64, 165-185.
- De Hon, R.A. and E.A. Pani, 1992, Duration and rate of discharge, Maja Valles, Mars: *J. Geophys. Res.* 98-- *Planets*, 9129-9138.
- De Hon, R.A., A.C. Leith, and W.B. McKinnon, 1992, Geologic Map of the Hathor Region [Jg15] South Polar Region of Ganymede: U.S. Geol. Surv. Misc. Inves. Map I-2388, scale 1:5,000,000
- De Hon, R.A. and Pani, E.A., 1992, Flood Surge through the Lunae Planum Outflow Complex. *Proc. 22nd Lunar and Planet. Conf.*, 63-71.
- De Hon, R.A., 1992, Polygenic Origin of Hard Vallis, Mars. *Proc. 22nd Lunar and Planet. Conf.*, 45-51.
- De Hon, R.A., 1991, Geologic Map of the Pompeii Quadrangle (MTM20057), Mars: U.S. Geol. Survey Misc. Inves. Map I-2203, scale 1:500,000.
- De Hon, R.A., 1991, Martian Lake Basins and Lacustrine Plains. *Earth, Moon, and Planets*, 56, 95-122.
- De Hon, R.A., 1987, Ring Furrows: Inversion of topography in martian highlands, *Icarus* 71, 287-297.
- Kontrovitz, M., and R.A. De Hon, 1983, Diagenetic changes to microfossils: Experimental study. *Gulf Coast Assoc. Geol. Soc. Trans.* 33, 307-310.
- Kontrovitz, M., R.A. De Hon, and J.H. Myers, 1983, Simulated burial of ostracode shells: Progressive alteration. In *Applications of Ostracoda. Proc. of the 8th Symposium on Ostracoda*, Houston, 96-108.
- De Hon, R.A., 1982, Martian volcanic materials: Preliminary thickness estimates in the eastern Tharsis region. *Proc. of the 3rd International Colloquium on Mars: Journ. Geophys. Res.* 87, 9821-9828.
- De Hon, R.A., D. H. Scott, and J.R. Underwood Jr., 1981, Geologic map of the Kuiper quadrangle of Mercury. U.S. Geol. Sur., Misc. Inves. Map I-1233.
- De Hon, R.A., 1980, Variations in morphology of 15-20 km lunar craters: Implications for a major subsurface discontinuity. *Proc. Lunar Planet. Sci.* 11th, 2207-2219.
- De Hon, R.A., 1981, Selenographic distribution of apparent crater depth. *Proc. Lunar Planet. Sci. Conf.*, 12th, 639-650.

- De Hon, R.A., 1979, Thickness of the western mare basalts. Proc. Lunar Planet. Sci. Conf., 10th, 2935-2955.
- De Hon, R.A., 1977, Geologic map of the Eridania quadrangle of Mars. U.S. Geol. Sur., Misc. Invest. Map I-1008, scale 1:5,000,000.
- De Hon, R.A., 1977, Mare Humorum and Mare Nubium: Basalt thickness and basin-forming history. Proc. Lunar Sci. Conf., 8th, 633-641.
- De Hon, R.A. and J.D. Waskom, 1976, Geologic structure of the eastern mare basins. Proc. Lunar Sci. Conf., 7th, 2729-2746.
- De Hon, R.A., 1975, Mare Spumans and Mare Undarum: Mare thickness and basin floor. Proc. Lunar Sci. Conf., 6th, 2553-2561.
- Stewart, H.E., J.D. Waskom, and R.A. De Hon, 1975, Photogeology and basin configuration of Mare Smythii. Proc. Lunar Sci. Conf., 6th, 2541-2551.
- De Hon, R.A., 1971, Cauldron development in lunar craters Ritter and Sabine. Journ. Geophys. Res. 76, 5712-5718.
- De Hon, R.A., 1970, Photogeologic study of the Agrippa Region of the Moon, Ph.D. Dissertation, Texas Tech University, 109p.
- Pratt, W.P., E.T. McKnight, and R.A. De Hon, 1969, Geologic map of the Rico quadrangle, Colorado. U.S. Geol. Surv., Misc. Inves. Map, GQ797, scale 1:24,000.
- De Hon, R.A., 1967, Minor elements in pluvial lake carbonates of West Texas. Compass 44, 148-151.
- De Hon, R.A., 1966, Applications of infrared absorption. (Limited circulation report), Geochemistry Lab, NASA Manned Spacecraft Center, Houston, 40p.
- De Hon, R.A. and C.C. Reeves Jr., 1966, A maar origin for Hunts Hole, Dona Ana County, New Mexico. Texas Journ. Sci. 18, 296-316.
- De Hon, R.A., 1965, The Aden Crater Lava Cone, Compass 43, 34-40.
- De Hon, R.A., 1965, Maare of La Mesa. 16th Ann. Field Conf. Guidebook, New Mexico Geol. Soc., 204-209.
- Reeves, C.C. and R.A. De Hon, 1965, Geology of Potrillo Maar, New Mexico and Northern Chihuahua, Mexico. Amer. Journ. Sci. 263, 401-409

b. Non-refereed Articles: Includes **expanded abstracts** 2-3 pages with references.

De Hon, R.A., 2018, Crater-Fill on Mars: Sediment Traps and Long Term Stratigraphic Record, abs. 1328, Lunar and Planetary Science Conference, Houston. (Abstract and Poster)

De Hon, R.A., 2017, Two basin model for Mare Tranquillatatis, abs.2769, 48<sup>th</sup> Lunar and Planet. Sci. Conf. , Houston (Abstract and Poster)

De Hon, R.A. and R.A. Earl , 2016, The Aden Crater Lava Flows Dona Ana Co., New Mexico., Geological Society of Am Annual Meeting, Abstract and Poster

De Hon R.A. 2016, Loess Cave Habitats on Mars, 47th Lunar and Planetary Science Conference, Houston, Tx, abs 1147 and poster presentation.

De Hon, R.A., 2015, What Lies Beneath: Lava Inflation Plateaus on Earth and Mars, 46th Lunar and Planetary Science Conference, Houston, Tx, abstract 1146 and poster presentation.

De Hon, R.A., 2014, Alcoves as Protected Sites for Martian Life, 45th Lunar and Planetary Science Conference, Houston, Tx, Abs 1027 and poster presentation.

De Hon, R.A., 2012, Significance of Maars on Mars: Terrestrial Analogs to Martian Monogenic Volcanism, 43rd Lunar and Planetary Science Conference, Abstract #1075 and poster presentation.

De Hon, R.A., 2011, Hydrologic Provinces of Mars, 42nd Lunar and Planetary Science Conference Houston, TX, Abstract #1447 and poster presentation.

Clark, C., Clark, P., and, De Hon R. A., 2010 From Hills and Dales to Asteroids: Maps with Constant-scale Natural Boundaries, Applied Geography and Land Use Poster Session, AAG 2010 Annual Mtg., Washington, DC.\*

De Hon, R.A., 2008, East Procellarum Basin Revisited, 39th Lunar and Planetary Science Conference, Houston TX, Abstract #1182

De Hon, R.A., 2007, On Meandering and Sinuosity of Martian Channels, 38th Lunar and Planetary Science Conference, Houston TX, Abstract #1226 and poster

De Hon, R.A., 2007, On meanders and sinuosity of martian channels, Lunar and Planet. Sci. Conf. XXXVIII, Lunar and Planetary Institute, Houston.

De Hon, R.A., 2006, Transitional Dune Forms on Mars, Lunar and Planet. Sci. Conf. XXXVI, Lunar and Planetary Institute, Houston.

De Hon, R.A., 2004, Toward a Comprehensive Stratigraphic Column of Mars, Lunar and Planet. Sci. Conf. XXXV, Lunar and Planetary Institute, Houston.

Thibodeaux, C.J., P.A. Washington, and R.A. De Hon, 2003, Determining Water Levels in Maumee and Vedra Valles Using Equilibrium Sediment Transport Theory, Submitted Lunar and Planet. Sci. Conf. XXXIII, Lunar and Planetary Institute, Houston.\*

Thibodeaux, C.J., P.A. Washington, and R.A. De Hon, 2003, Grain-size Analysis of the Maumee and Vedra Channel Sediments (Mars) Using Equilibrium Sediment Transport Theory, Lunar and Planet. Sci. Conf. XXXIII, Lunar and Planetary Institute, Houston.\*

De Hon, R.A., Washington, P.A., and C.J. Thibodeaux, 2003, Excavation Time for the Vedra and Maumee Channels (Mars) by Application of Equilibrium Sediment Transport Theory, Lunar and Planet. Sci. Conf. XXXIII, Lunar and Planetary Institute, Houston. \*

De Hon, R.A. 2002, Martian sedimentary basins and regional watersheds: In Lunar and Planet. Sci. Conf. XXXII, Lunar and Planetary Institute, Houston (CD-ROM)\*

De Hon, R.A., 2001, Martian Sedimentary Provinces: In Lunar and Planet. Sci. Conf. XXXI, Abstract no. 1225, Lunar and Planetary Institute, Houston (CD-ROM)\*

De Hon, R.A. and Washington, 2000, Implication of sapping channels on Mars: In Lunar and Planet. Sci. Conf. XXX, Abstract no. 1147, Lunar and Planetary Institute, Houston (CDROM)\*

Emrick, C.M. and R.A. De Hon, 1999, Flood discharge through Labou Vallis, Mars: In Lunar Planet. Sci. Conf. XXX, Abstract #1893, Lunar and Planetary Institute, Houston (CD-ROM).\*

De Hon, R.A. and P.A. Washington, 1999, Bahram Vallis, Mars: A brief history of a long term discharge: In Lunar Planet. Sci. Conf. XXX, Abstract #1928, Lunar and Planetary Institute, Houston (CD-ROM).\*

De Hon, R.A., 1998, Martian Highland Lakes, In 29th Lunar and Planetary Sci. Conf. XXIX, Abstract #1046, Lunar and Planetary Institute, Houston (CD-ROM).\*

De Hon, R.A., 1998, Western Arabia Terra: Highland materials at low elevation: Mars Surveyor 2001 Landing Site Workshop, NASA-Ames Research Center, Jan. 26-27.\*

De Hon, R.A., 1997, The relationship of subdued grooved terrain, mesas, and knobs in Northern Elysium Planitia, Mars: 28th Lunar Planet Sci. Conf., 289-290.\*

Washington, P.A. and R.A. De Hon, 1996, A hydrodynamic control of channel morphology in unsaturated regoliths on earth and Mars: 27th Lunar Planet. Sci. Conf., 1383-1384.

De Hon, R.A., 1996, Martian highland troughs: Regional controls of runoff and sedimentation: 27th Lunar Planet. Sci. Conf., 295-296.\*



- De Hon, R.A., 1995, Hydrogeologic Provinces of Mars: 26th Lunar Planet. Conf., 327-328.\*
- De Hon, R.A., 1994, A highland strategy for Pathfinder: Mars Pathfinder Landing Site Workshop, LPI, Houston, LPI Technical Report No. 94-04, M. Golombek, Editor, 24-25\*
- De Hon, R.A., 1994, Lacustrine sedimentation in Lower Mangala Valles, Mars: Lunar Planet. Sci. Conf. XXV, 321-322.\*
- De Hon, R.A., 1993, Classification of martian deltas: Lunar Planet. Sci. Conf. XXIV, 389-390.\*
- De Hon, R.A., and E.A. Pani, 1992, Duration and rates of discharge through a martian outflow system: Maja Valles. Lunar Planet. Sci. Conf. XXIII, 297-298.\*
- De Hon, R.A., 1991, Polygenic origin of Hrad Vallis, Mars. Lunar Planet. Sci. Conf. XXII, 295-296.\*
- De Hon, R.A., 1991, Classification of martian lacustrine basins. Lunar Planet. Sci. Conf. XXII, 293-294.
- De Hon, R.A., and P.J. Mougini-Mark, 1990, Geologic map of the Galaxias Region (MTM 35217) Northwest Elysium Region, Mars. Lunar Planet. Sci. Conf. XXI, 268-269.\*
- De Hon, R.A., 1990, Hydraulic routing of the Maja outflow across Xanthe Terra. Lunar Planet. Sci. Conf. XXI, 266-267.\*
- De Hon, R.A., 1989, Martian lacustrine plains. 4th International Conf. on Mars, 90-91.\*
- De Hon, R.A., A.C. Leith, W.B. McKinnon, 1989, A geologic map and photomosaic of Jg-15 quadrangle of Ganymede. Lunar Planet. Sci. Conf. XX, 234-235.\*
- De Hon, R.A., 1989, Geologic map of Maja Valles: MTM 20057; Northern Lunae Planum, Mars. Lunar Planet. Sci. Conf. XX, 232-233.\*
- De Hon, R.A., 1989, Flood surge in martian outflow systems: Episodic flow. Lunar and Planet. Sci. Conf. XX, 230-231.
- Rice, J.W., S.M. Archibald, and R.A. De Hon, 1988, Lower Maja Vallis. Lunar and Planet. Sci., XIX, 976-977.
- De Hon, R.A., 1988, Valley terminal deposits: The martian sedimentary record. Lunar and Planet. Sci., XIX, 263-264.
- De Hon, R.A., 1988, Ephemeral martian lakes: Temporary ponding and local sedimentation. Lunar and Planet. Sci., XIX, 261-262.\*

De Hon, R.A., 1987, Progress in determining the thickness and distribution of volcanic materials on Mars. In METV Workshop on the Nature and composition of surface units of Mars, LPI Technical Report No. 88-05, 54-56.

De Hon, R.A., 1987, The martian sedimentary record. In METV Workshop on the Nature and Composition of Surface Units on Mars, LPI, Technical Report No. 88-05, 51-53.

De Hon, R.A., 1987, Eastern Lunae Planum outflow complex: Analogy to overbank flooding. Lunar and Planet. Sci., XVIII, 227-228.\*

De Hon, R.A., 1987, Striped plains of Acidalia Planitia, Mars. Lunar and Planet. Sci., XVIII, 229-230.

De Hon, R.A., 1987, Stratigraphy of the south polar region of Ganymede. NASA Tech. Mem., 508-510.

De Hon, R.A., and E.E. McDaniel, 1986, Ring furrows of the martian highlands. In Lunar and Planet. Sci., XVII, 162-163.\*

De Hon, R.A., 1986, Ring furrows on martian highlands: Guides to surface processes and stratification. NASA Tech. Mem. 88383, 421-423.

De Hon, R.A., 1985, Thickness of ridged plains materials in Hesperia Planum, Mars. Lunar and Planet. Sci., XVI, 173-174.\*

De Hon, R.A., 1985, Ridged plains of Lunae Planum: Thickness distribution revised. Lunar and Planet. Sci., XVI, 171-172.

De Hon, R.A., 1984, Thickness of ridged plains materials in Hesperia Planum, Mars. NASA Tech. Mem. 87563, 242-243.\*

De Hon, R.A., 1984, Ridged plains of Lunae Planum: Thickness, distribution revised. NASA Tech. Mem. 87563, 237-238.

De Hon, R.A., 1984, Progressive impact cratering. Lunar and Planet. Sci., XV, 204-205.\*

De Hon, R.A., 1984, Inversion of topography in Martian highlands terrains, Lunar and Planet. Sci., XV, 202-203.

De Hon, R.A., 1983, Inversion of topography in Martian highlands terrains. NASA Tech. Mem. 86246, 228-229.

De Hon, R.A., 1983, Progressive impact cratering. NASA Tech. Mem. 86242, 102-103.

De Hon, R.A., 1983, Concordant crater floor elevations on the Moon. Lunar and Planet. Sci., XIV, 148-149.\*

De Hon, R.A., 1982, Preliminary geologic map of the south polar region of Ganymede. NASA Tech. Mem. 85127, 349-351.

De Hon, R.A., 1982, Thickness and distribution of volcanic materials on Mars: A progress report. NASA Tech. Mem 85127, 129-131.\*

De Hon, R.A., 1982, Development of planetary megaregoliths. Lunar and Planet. Sci., XIII, 146147.

De Hon, R.A., 1981, Thickness distribution of Tharsis volcanic materials. NASA Tech. Mem. 84211, 144-146.\*

De Hon, R.A., 1981, Planetary megaregoliths. NASA Tech. Mem. 84211, 129-131.

De Hon, R.A., 1981, Selenographic distribution of apparent crater depths. Lunar and Planet. Sci., XII, 205-207.\*

Duplechin, M.C., and R.A. De Hon, 1980, Evolution of the geologic map of Kuiper quadrangle of Mercury. Lunar and Planet. Sci., XI, 247-249.

De Hon, R.A., 1980, Variations in crater morphology: 15-20 km Diameter. Lunar and Planet. Sci., XI, 201-203.\*

Underwood, J.R., Jr., D.H. Scott, and R.A. De Hon, 1980, Evolution of the geologic map of Kuiper quadrangle of Mercury. NASA Tech. Mem. 81776, 369-371.

Scott, D. H., J.R. Underwood, and R.A. De Hon, 1980, Normal faults on Mercury: Examples in the Kuiper Quadrangle. NASA Tech. Mem. 81776, 28-30.

De Hon, R.A., D.H. Scott, and J.R. Underwood, Jr., 1980, Plain-forming materials of the Kuiper quadrangle of Mercury. NASA Tech. Mem. 81776, 34-36.

De Hon, R.A., 1980, Layered materials of the ridged plains of Mars. NASA Tech. Mem. 81776, 41-42.\*

De Hon, R.A., 1979, The role of basin ejecta in highland stratigraphy. Conf. on Lunar Highlands Crust, LSI, Houston, 15-17.

De Hon, R.A., 1979, Basic geomorphic concepts applied to planetary cratering. NASA Tech. Mem. 80339, 138-140.

De Hon, R.A., 1979, Preliminary thickness study of plains-forming materials in the Caloris basin region of Mercury. NASA Tech. Mem. 80339, 65-67.\*

Wright, M.B., and R.A. De Hon, 1979, Basins of the circum-Caloris region of Mercury, NASA Tech. Mem. 80339, 141-143.

- De Hon, R.A., 1979, Thickness of the western mare basalt. *Lunar Science X*, 274-276.\*
- Cole, R.L., and R.A. De Hon, 1979, The origin of the outer rings around lunar basins. *Lunar Science X*, 227-228.
- De Hon, R.A., 1979, Structural model of the Imbrium basin. *Lunar Science X*, 271-273.
- De Hon, R.A., 1978, In search of ancient astroblemes: Mercury. *NASA Tech. Mem. 79729*, 150-152.\*
- De Hon, R.A., 1978, Stratigraphy and crater morphology. *Lunar Science IX*, 232-234.
- De Hon, R.A., 1978, Maximum Thickness of materials in the western basins. *Lunar Science IX*, 229-231.\*
- De Hon, R.A., 1977, Thickness of mare basalt: Luna 24 landing site. *Proc. Conf. on Luna 24, LSI, Houston*, 52-53.
- De Hon, R.A., D.H. Scott, and J.R. Underwood, Jr., 1977, The geology of the Kuiper Quadrangle of Mercury. *NASA Tech. Mem. X-3511*, 242-244.
- De Hon, R.A., 1977, Multi-ringed basins: A model for formation in multi-layered media. *NASA Tech. Mem. X-3511*, 111-112.
- Sharp, J.G., N. Gilbert, and R.A. De Hon, 1977, Mare basalts in Sinus Aestum and Sinus Medii. *Lunar Science VIII*, 865-867.
- Scott, D.H., R.A. De Hon, and J.R. Underwood, Jr., 1976, The geology of the Kuiper Quadrangle of Mercury. *Proceedings of the Conference on Comparisons of Mercury and the Moon, LSI, Houston*, 31.
- De Hon, R.A., 1976, Double ringed basins on Mars, Mercury, and the Moon. *Proceedings of the Conference on Comparisons of Mercury and the Moon, LSI, Houston*, 7.\*
- De Hon, R.A., 1976, Geologic structure of the eastern mare basins. *Lunar Science VII*, 184-186.\*
- De Hon, R.A., 1976, Multiring basins in the Kuiper Quadrangle--Mercury. *NASA Tech. Mem. X-3364*, 242-244.
- De Hon, R.A., 1976, Geology of the Eridania Quadrangle--Mars. *NASA Tech. Mem. X-3364*, 218-220 and *Lunar Science VII*, 184-186.
- De Hon, R.A., 1975, Mare Fecunitatis: basin configuration. *Origins of mare basalts, LSI, Houston*, 32-34.\*

De Hon, R.A., 1975, An isopach map of eastern mare basalts. Origins of mare basalts, LSI, Houston, 29-31.

Waskom, J.D. and R.A. De Hon, 1975, Wrinkle ridges and mare basin structure. Lunar Sci., VI, 855-856.

Stewart, H.W., J.D. Waskom, and R.A. De Hon, 1975, The Photogeology and basis configuration of Mare Smythii, Lunar Science VI, 777-779.

De Hon, R.A., 1975, Mare Spumans and Mare Undarum: Structural and Depositional history. Lunar Science VI, 181-183.\*

De Hon, R.A., 1974. Thickness of mare material in the Nectaris and Tranquillitatis Basins. Proc. Lunar Sci. Conf., 5th, 53-59.

De Hon, R.A., 1974, Thickness of mare material in the Tranquillitatis and Nectaris Basins. Lunar Science V, 163-164.\*

### 3. Conference Proceedings

a. Refereed Conference Proceedings:

b. Non-refereed:

### 4. Abstracts:

De Hon, R.A. and R.A. Earl, 2016, The Aden Crater Lava Flows, Dona Ana Co., New Mexico, Geol. Soc. Amer. Ann. Mtg. Denver, Abstract and Poster.

De Hon, R.A. and R.A. Earl, 2014, Inflation and Deflation in the Aden Crater Lavas, Dona Ana Co., New Mexico, Geol. Soc. Amer. Ann Mtg., Vancouver. Abstract and Poster.

De Hon, R.A., 2012, Red Hill New Mexico Monogenetic Volcanic Field: Variations in Vent Morphology, Geol. Soc. Amer. Ann Mtg., Charlotte, Abstract and Poster.

De Hon, R.A., 2011, Crater Morphology in Monogenetic Volcanic Fields of Western New Mexico, Geol. Soc. Amer. Ann. Mtg., Minneapolis.

De Hon, R.A. 2005, Transitional Dune Forms on Mars: Geol. Soc. Amer. Abs with Programs, Vol. 37, no. 7, Abs. no. 91050. \*

De Hon, R.A., 2000, Puddles, ponds, Lakes, and Oceans on Mars : Southeast Section of Geol.Soc. America Mtg., Charleston, S.C.\*

De Hon, R.A., L.N. Glawe, L.M. Young, and P.A. Washington, 1999, Formation of northern Louisiana ironstones: Abstract #50305 Geol. Soc. America Ann. Mtg, Denver.\*

De Hon, R.A., 1998, Flood surge through Labou Vallis, Mars :Abstract #50026, Geol. Soc. America Ann. Mtg, Toronto\*

De Hon, R.A., 1997, Martian Highland Lakes: Abstract #13748 Geol. Soc. America Ann. Mtg, Salt Lake City.\*

De Hon, R.A., 1996, Geologic mapping in Northern Elysium Planitia: Geol. Soc. America Ann. Mtg, New Orleans.\*

Singh, S.K., A.A. Karnachi, R.A. De Hon, I.K. Reddy, and M.A. Kahn, 1996, Optimization and characterization of controlled release pellets coated with an experimental latex:II. Cationic Drug. Final Program, Midwest Regional Meeting, American Association of Pharmaceutical Scientist, Chicago, May 20, p. 27.

De Hon, R.A., 1993, Venusian resurfacing: Thick or thin--piecemeal or en masse? Geol. Soc. Amer. 101th Ann. Mtg., Boston.\*

De Hon, R.A., 1989, Fluvial history of Hrad Vallis, Northern Elysium Planitia, Mars. Geol. Soc. Amer. Ann. Mtg.\*

De Hon, R.A., 1989, Martian transverse valleys. Geol. Soc. Amer. 100 Ann. Mtg.\*

De Hon, R.A., and E.A. Pani, 1991, Duration of Trans-Xanthe flow, Maja Valles Region, Mars. Geol. Soc. Amer. Ann. Mtg.\*

De Hon, R.A., 1987, Erosion and deposition in the Lunae Planum outflow complex of Mars, Abs. 100th Ann. Mtg. of Geol. Soc. Amer.: Abstracts with Programs. 19, 7, 638-639.\*

De Hon, R.A., 1985, Inversion of topography in martian highland terrains, Abs. 98th Ann. Mtg. Geological Soc. Amer. 560.

Kontrovitz, M. and R.A. De Hon, 1982, Simulated burial of foraminifera: progressive alteration, Abs. 95th Ann. Mtg. Geological Soc. Amer.

De Hon, R.A., 1968, Structural setting of the Agrippa Region of the Moon (Abs.). Geol. Soc. Amer., Spec. Paper 115.

Listing of abstracts is incomplete.

Papers presented to Louisiana Acad. of Sci. not listed--approx. 17 \*

5. Reports:

6. Book Reviews:

## 7. Other:

Contributor to in Magill's Survey of Science: Earth Science Suppl.: R. Smith (Editor), Salem Press, Pasadena (1998). Short articles (500 words) as follows:

Limestone  
Salt domes

De Hon, R.A., 1998, Intraplate Volcanism, in Magill's Survey of Science: Earth Science Suppl., R. Smith (Editor), Salem Press, Pasadena, p. 3143-3149.

\_\_\_\_\_, 1998, Xenoliths, in Magill's Survey of Science: Earth Science Suppl., R. Smith (Editor), Salem Press, Pasadena, p. 3193-3199.

Contributor to Natural Resources: M.S. Coyne and C.W. Allin, Editors, Salem Press, Pasadena (1998). Short articles (500 and 1000 words) as follows:

Granite  
Gneiss  
Silicates  
Wells and the Environment  
Hydrothermal solutions and mineralization (1000)

## Book Editor

De Hon, René, (Editor), 2001, The Physics and Chemistry of the Earth: Vol. 1 of 5 volume series in Earth Science, Salem Press, Pasadena, CA, 553 p.

## B. Works not in Print

1. Papers Presented at Professional Meetings: See Abstracts. Papers present marked by \*

## 2. Invited Talks, Lectures, and Presentations:

De Hon, R.A., 2017, Mars Habitates; Caves and alcoves, Bexar Grotto, San Antonio.

De Hon, R.A., 2017, Mars Habitates, Dripping Springs Cavers

De Hon, R.A., 2014, Mars in Fact and Fiction, Canyon Lake Library

De Hon, R.A., 2000, Puddles, ponds, Lakes, and Oceans on Mars : Southeast Section of Geol.Soc. America Mtg., Charleston, S.C.

## 3. Consultancies:

4. Workshops:

Earth Science for Teachers: Summers of 1969 (NLU), 1996, 2004,2005 (ULM)

5. Other:

C. Grants and Contracts

1. Funded External Grants and Contracts:

At Univ. of Arkansas: 5 years NASA Funding

At University of Louisiana at Monroe: approx. 16 years NASA Funding

2. Submitted, but not Funded, External Grants and Contracts:

3. Funded Internal Grants and Contracts:

4. Submitted, but not Funded, Internal Grants and Contracts:

D. Fellowships, Awards, Honors:

At University Of Louisiana at Monroe:

Outstanding Researcher in College of Pure and Applied Science; 3 years

Distinguish Researcher University Of Louisiana at Monroe, 1988

ULM Professorship— Geology 1995-2000

**IV. SERVICE**

A. University: At ULM:

University Research Committee

University Radiation Safety Committee

College of Pure and Applied Sciences Curriculum Committee

College of Arts and Sciences Graduate Committee

College Tenure and Promotion Committee (Sec.)

B. Departmental:

At ULM:

Department of Geosciences, Geology Curriculum Committee (Chair)

Department of Geosciences Tenure and Promotion Committee (Chair)

At Texas State

Departmental Equipment Committee (Past)



Departmental Undergraduate Curriculum Committee (past and current)  
Department Scholarship and Awards Committee (past)

C. Community:

D. Professional:

Grant reviews for NASA Planetary Geology Program/Mars Data Analysis Program

Technical reviewer for planetology papers in--

Geochim et Cosmochim, Acta

Icarus

Journ.Geophys.Res.

Geol. Society of America

Geophysical Letters

Proc. Lunar and Planetary Science Conf.

NASA Advisory Committee for Planetary Research Goals in the 1990's

Ground Water Advisory Task Force, Office of the Governor, State of Louisiana,2000-2004

NASA Grant Review-Planetary Geology Programs 1996

Gulf Coast Association of Geological Societies Scholarship Committee, chair (retired)

E. Organizations

1. Honorary:

Sigma Gamma Epsilon, Earth Science Honorary

Sigma Xi Research Honorary

2. Professional:

Geology Society of America--Fellow--(#1209797) Local student advisor (ULM)

South Texas Geological Society

Gulf Coast Assoc. of Geological Societies

New Mexico Geological Society

F. Services, Honors and Awards:

Geology Club Outstanding Leadership Award, 2009

Dept. of Geography, Outstanding Service Award, 2013, 2016