

WILLIAM JACK RINK

Home Address:

116 Sterling St.
Hamilton, ON Canada L8S 4J5
Tel. (905) 524-1257

Business Address:

School of Geography and Geology
McMaster University, Hamilton, ON Canada L8S 4K1
Tel. (905) 525-9140, Ext. 24178; Fax: 546-0463

Electronic Mail and Internet Address:

rinkwj@mcmaster.ca

<http://www.science.mcmaster.ca/geo/research/age/home.htm>

Education

1976	B.Sc. Geology	Florida State University
1985	Diamonds Certification	Gemological Institute of America
1990	Ph.D. Geology	Florida State University

Current Status at McMaster

2007-present	Professor	(Tenured) School of Geography and Geology, McMaster University
2001-present	Associate Member	Medical Physics and Applied Radiation Sciences, McMaster University

Professional Organizations

Society for American Archaeology
Geological Society of America

Employment History

2001-2004	Adjunct Faculty	Department of Earth Sciences, Melbourne University
1998-2001	Associate Member	Department of Physics, McMaster University
1997-1999	Associate Director	School of Geography and Geology, McMaster University
1994-1997	Assistant Professor	Department of Geology, McMaster University
1992-1994	Post-Doctoral Fellow	Department of Geology, McMaster University
1991-1992	NSF Post-Doc	Subdept. Quaternary Research University of Cambridge, U.K.
1990-1991	Post-Doctoral Fellow	Materials Res. and Tech.Center, Florida State University

Scholarly and Professional Activities:

Journal Referee – Radiation Measurements, Journal of Archaeological Science, Quaternary Science Reviews (Quaternary Geochronology)
Grant Reviewer – NSERC, NSF, NERC (UK)

Honors

2007	Nominated for MSU Teaching Award for Geo 2MM3
2000-04	Premier's Research Excellence Award
1997-98	McMaster Student Union Teaching Award – Certificate of Excellence
1996-97	Geology Teaching Award from McMaster Geology Undergraduates

1991 NATO-NSF Postdoctoral Fellowship in Science and Engineering, Cambridge, UK
 1989-1990 University Dissertation Fellowship, Florida State University

Courses Taught in School of Geography and Geology

Undergraduate Level

2nd year Optical Crystallography and Mineralogy (Geo 2K03) (1999-2003)
 2nd year Gemstones: Origins and Characteristics (Geo 2MM3) (2005-2008)
 3rd year Geochemistry (Geo 3Q03) (2001-2004)
 4th year Mineralogy (Geo 4K03) (1999-2000)
 4th year Inquiry: Minerals and Society (Geo 4KK3)(1996-2003)
 4th year Environmental Isotopes and Geochronology (Geo 4Q03)(2001-2003)
 3rd year Geoscience Explorers and Adventurers (Geo 3AA3) (2006-2008)
 3rd year Geochemistry of Minerals and Rocks (Geo 3T03) (2009)

Graduate Level

Advanced Mineralogy (Geo 6Q03) (1999)
 Quaternary Dating Methods (Geo 764)(1999-2007)
 Special Topics (Geo 715) 2008

Supervisorships

M.Sc.:

Yang Quan (Geology) 1997
 Rebecca Marsh (Medical Physics) 1999
 Heather Jones (Geology) 2000
 Beth Forrest (Geology) 2003
 Jon Liberda (Earth and Environmental Sciences) 2008

Ph.D:

Vito Volterra, Ph.D. (Anthropology) 2000 (co-supervisor)
 Rao Khan (Medical Physics) 2003 (co-supervisor)
 Gloria Lopez (Geology) 2007
 Jeroen Thompson (Medical Physics) 2007
 Kevin Burdette (Earth and Environmental Sciences) in progress

Post-doctoral Researchers:

Hee-Kwon Lee 1994-1996 (co-supervisor)
 Julie Rees-Jones 1996-1997
 Daniel Richter 1997 – 2000
 Jens Bartoll 2000-2001
 Jeroen Thompson (2007-2009)

Undergraduate Student Research Projects

Marnie Miron 1996 (Geography and Geology) 3rd Year Research Project

Rob North 1997 (Geology) 3rd Year Research Project

Undergraduate Thesis Project

Kimberly Pieper (Geology) 1999

Aldis Zandbergs (Geology) 1999 (co-supervisor)

Beth Forrest 2000 (Geology) 2000

Karl Keizars (Geology) 2002

Jessica Pilarczyk (Earth and Environmental Science) 2004

Chantel Iacoviello (Earth and Environmental Science) 2009

Paid Laboratory Training Supervision of Undergraduate Students

10 B.Sc. students in Chemistry, Physics, Geology, Geography and Materials Science

Research Technicians

Kerry Chancellor-Maddison 1992-1994, 2001-2007

Karen Goodger 1992-1997

Jean Johnson 1994-1998

Tuong Nguyen 1998-1999

Gloria Lopez 2009

Lisa Laframboise 2009

Research Funding

2008 (Applied. Nov.). An archaeology of stone fish trap construction and use on the central coast of British Columbia. Social Sciences and Humanities Research Council of Canada (Co-investigator)

2008-2012 Use of Geochronology and geophysical Techniques to study Paleosealevel, Archaeology and Sea Turtle Behaviour. Natural Sciences and Engineering Research Council of Canada. CN\$ 147,500.

2008. The Wakulla Springs Lodge Site (8WA329): a Pre-Clovis Paleoindian Habitation or Temporal Tempest? Issues Related to the First Americans. National Geographic Society (Co-Investigator)
Rink Portion US\$ 8000

2004-2006 Miniature Age Dating Material Characterization Instrument for Mars Exploration.
US\$ 250,000 NASA Planetary Instrument Definition and Development Program (Co-Investigator)
Rink Portion: US\$ 23,000

2003-2007 Pliocene and Quaternary sedimentary geochronology using radiation defects in minerals.
CN\$ 147,250. Natural Sciences and Engineering Research Council of Canada

2003-2006 Astride Wallace's Line: The human colonisation of Indonesia and Australia.
AU\$ 810,000. Australian Research Council. (Co-investigator) Rink Portion: \$AU120,000

2003-2004 Emergency radiation dose assessment in human populations.
CN\$ 182,000 Chemical Biological Radiological Nuclear Research and Technology Initiative. (Co-PI) Rink Portion CN\$ 91,000

2001-2003 Chronology of archaeological sites in the Orce Region, Spain.
 CNS\$ 90,000 Social Sciences and Humanities Council of Canada (Co-PI) Rink Portion: \$CN 45,000

2001-2003 Archaeology and chronometric studies of Pech de L' Aze IV, Dordogne, France.
 US\$ 171,000 National Science Foundation, USA. (Co-Investigator) Rink Portion: US\$ 30,000

2000-2004 Reconstructing the human evolution timeframe.
 CNS\$ 100,000 Office of Industry and Technology, Premier's Research Excellence Award (PI)

1999-2002 New applications of radiation effects in minerals.
 CNS\$ 110,000 Natural Sciences and Engineering Research Council of Canada (PI)

1999 Single-grain luminescence reader.
 CNS\$ 25,000 Internal McMaster University Funds. (PI)

1999-2001 Applied Radiation Sciences Institute.
 CNS\$ 8,100,000 Canada Foundation for Innovation and Office of Industry and Technology (Co-Investigator)
 Rink Portion CNS\$ 385,000

1997-1999 Chronometric dating of prehistoric archaeological sites.
 CNS\$ 57,000 Social Sciences and Humanities Research Council of Canada. (Co-PI) Rink Portion CNS\$ 23,500

LIFETIME PUBLICATIONS

Contributions to Books (Peer Reviewed)

Richter, D., Mauz, B., Böhner, U., Weissmüller, W., Wagner, G.A., Freund, G, Rink, W.J. and Richter, J. (2000) Luminescence dating of the Middle/Upper Palaeolithic sites 'Sesselfelsgrötte' and 'Abri I Am Schulerloch', Altmühlal, Bavaria. In Orschiedt, J. and Weniger, C. (eds.) Neanderthals and Modern Humans – Discussing the Transition. Central Europe from 50,000 – 30,000 BP. Neanderthal Museum wissenschaftliche Schriften 2.

Rink, W.J. (2000) Beyond ¹⁴C dating: A user's guide to long range dating methods in archaeology. In Goldberg, P., Holliday, V.T. and Ferring, C.R. (eds) Earth Sciences and Archaeology. pp. 385-417. Kluwer Academic/Plenum Press.

Rink, W.J., Schepartz, L.A., Miller-Antonio, S., Huang, W., Hou, Y., Bakken, D., Richter, D. and Jones, H.L. (2003) Electron spin resonance (ESR) dating of mammalian tooth enamel at Panxian Dadong Cave, Guizhou, China. Current research in Chinese Pleistocene Archaeology. Eds. Chen, S. and Keates, S.G.

British Archaeological Reports International Series 1179, 111-118.

Journal Articles (Peer reviewed)

1. Odom, A.L. and Rink, W.J. (1989) The Natural Accumulation of Schottky-Frenkel Defects: Implications for a Quartz Geochronometer: *Geology* 17, 55-58.
2. Odom A.L. and Rink, W.J. (1989) Giant Radiation-Induced Color Halos in Quartz: Solution to a Riddle? *Science* 246: 107-109.
3. Rink, W.J. and Odom, A.L. (1989) Research Note: Giant Radiation Halos in Quartz. *Geology* 17, 54.
4. Rink, W.J., Gielisse, P.J., and Plendl, H.S. (1990) Coloration in Electron-Irradiated Beryl. *Journal of Gemmology* 22: 33-37.
5. Rink, W.J. and Odom, A.L. (1991) Natural Alpha Recoil Particle Radiation and Ionizing Radiation Sensitivities in Quartz Detected with EPR: Implications for Geochronometry. *Nuclear Tracks and Radiation Measurements D* 18: 163-173.
6. Rink, W.J. and Shimoyama, Y. (1991) Improved Detection of EPR Signals used in Quartz Dating: *Ancient TL* 9: 33-36.
7. Schlenoff, J.B., Rink, W.J. and Seger, L. (1992) Electrochemical Reduction of $\text{Bi}_2\text{Sr}_2\text{Ca}_1\text{Cu}_2\text{O}_8$ Superconductor Single Crystals. *Physica C* 180: 387-393.
8. Rink, W.J., Rendell, H., Marseglia, E.A., Luff, B.J., and Townsend, P.D. (1993) Thermoluminescence Spectra of Igneous Quartz and Hydrothermal Vein Quartz. *Physics and Chemistry of Minerals* 20: 353-361.
9. Rink, W.J. (1994) Billion Year Age Dependence of Luminescence in Granitic Quartz. *Radiation Measurements* 23: 419-422.
10. Shimoyama, Y. and Rink, W.J. (1994) Vector EPR spectroscopy of the E' signal in quartz. *Advances in ESR Applications* 10: 24-26.
11. Rink, W.J. and Schwarcz, H.P. (1994) Dose Response of the ESR Dating Signal in Modern and Fossil Tooth Enamel. *Radiation Measurements* 23: 481-484.
12. Rink, W.J., Grün, R., Yalçinkaya, I., Otte, M., Taskiran, H., Valladas, H., Mercier, N., Bar-Yosef, O., Koslowski, J., Schwarcz, H.P. (1994) ESR Dating of the Last Interglacial Mousterian at Karaın Cave, Southern Turkey. *Journal of Archaeological Science* 21, 839-849.

13. Rink, W.J., Matthias, H.G. and Schlenoff, J.B. (1994) Hermetic Sample Housing for X-ray Diffraction Studies. *Journal of Applied Crystallography* 27: 666-668. US Patent granted.
14. Rink, W.J., Rhodes, E.J. and Grün, R. (1994) Thermoluminescence from Igneous and Natural Hydrothermal Quartz: Dose Response after Optical Bleaching. *Radiation Measurements* 23: 159-173.
15. Brooks, A.S., Cramer, J.S., Franklin, A., Heinzelin, J., Helgren, D.M., Hornyak, W., Keating, J.M., Klein, R.G., Rink, W.J., Schwarcz, H., Leith Smith, J.N., Stewart, K., Todd, N., Verniers, J. & Yellen, J. (1995) Dating and context of three middle stone age sites with bone points in the Upper Semliki Valley, Zaire. *Science* 268: 548-553.
16. Huang, W., Ciochon, R., Gu, Y., Larick, R., Fang, Q., Yonge, C., de Vos, J., Schwarcz, H.P. and Rink, W.J (1995) Earliest hominids and artifacts from Asia: Longgupo Cave, Central China. *Nature*. 378: 275-278.
17. Poolton, N.R.J., Bøtter-Jensen, L. and Rink, W.J. (1995) An optically stimulated luminescence study of flint related to radiation dosimetry. *Radiation Measurements* 24: 551-555.
18. Rink, W.J. and Schwarcz, H.P. (1995) Tests for diagenesis in tooth enamel: ESR dating signals and carbonate contents. *Journal of Archaeological Science* 22: 251-255.
19. Rink, W. J., Schwarcz, H. P., Smith, F. H., and Radovic, J. (1995) ESR Dating of Krapina Hominids. *Nature* 378: 24.
20. see not peer reviewed.
21. Rink, W.J., Schwarcz, H.P., Cabrera Valdés, V., Bernaldo de Quiros, F. and Hoyos, M. (1996) ESR dating of tooth enamel: comparison with AMS ^{14}C at El Castillo Cave, Spain. *Journal of Archaeological Science* 23: 945-951.
22. Rink, W.J., Schwarcz, H.P., Stuart, A. J., Lister, A., Marseglia, E., and Brennan, B.J. (1996) ESR dating of the Type Cromerian Fresh Water Bed at West Runton, U.K. , *Quaternary Geochronology (Quaternary Science Reviews)* 15: 727-738.
23. Rink, W. J., Schwarcz, H.P. Valoch, and Stringer, C.B. (1996) Dating of the Neanderthal site of Kulna, Czech Republic. *Journal of Archaeological Science* 23: 889-902.
24. see not peer reviewed
25. Swisher, C.C. III, Rink, W.J., Antón, S C., Schwarcz, H.P., Curtis, G.H., Suprijo, A., and Widiasmoro, (1996) Latest *Homo erectus* of Java: potential contemporaneity with *Homo sapiens* in Southeast Asia. *Science* 274: 1870-1874.
26. Toyoda, S., Rink, W.J., Schwarcz, H.P. and Ikeya, M. (1996) Formation of E'_1 precursors in quartz: applications to dosimetry and dating. *International Journal of Applied Radiation and Isotopes* 47: 1393-1398.

27. Wanpo, H., Yumin, G., Ciochon, R., Larick, R., Qiren, F., de Vos, J., Schwarcz, H., Rink, W.J. and Yonge, C. (1996) Reply to: Schwartz, J.H. and Tattersall, I. Whose teeth? *Nature* 381, 201-202.
28. Avery, G. Cruz-Urbe, K., Goldberg, P., Grine, F.E., Klein, R.G., Marean, C.W., Rink, W.J., Schwarcz, H.P., Thackeray, A.I. and Wilson, M.L. (1997) The 1992-1993 Excavations at the Die Kelders Middle and Late Stone Age Cave Site, South Africa. *Journal of Field Archaeology* 24, 263-291.
29. Borziac, I.A., Allsworth-Jones, P., French, C.A.I., Medyanik, S.I. and Rink, W.J. (1997) The Upper Palaeolithic site of Cuintu on the Middle Pruth: a multidisciplinary study and reinterpretation. *Proceedings of the Prehistoric Society* 16, 1-17.
30. Brennan, B.J., Rink, W.J., McGuirl, E.L., Schwarcz, H.P. and Prestwich, W.V. (1997) Beta Doses in tooth enamel by "One-Group" theory and the ROSY ESR dating software. *Radiation Measurements* 27, 307-314.
31. Brennan, B.J., Schwarcz, H.P. and Rink, W.J. (1997) Simulation of the gamma radiation field in lumpy environments. *Radiation Measurements* 27, 299-305.
32. see not peer reviewed
33. Lee, H.K., Rink, W.J. and Schwarcz, H.P. (1997) Comparison of ESR signal dose responses in modern and fossil tooth enamels. *Radiation Measurements* 27, 405-411.
34. Marks, A.E, Demidenko, Yu.E., Monigal, K., Usik, V.I., Ferring, C.R., Burke, A., Rink, W.J., and McKinney, C. (1997) Starosele: New excavations, new and different results. *Current Anthropology* 37, 112-123.
35. Monigal, K., Marks, A.E., Demidenko, Yu. E., Usik, V.I., Rink, W.J., Schwarcz, H.P., Ferring, C.R. and McKinney, C. (1997) Nouvelles decouvertes de restes humains au site Paleolithique Moyen de Starosele, Crimee (Ukraine). *European Prehistory* 11, pp. 11-32.
36. Rees-Jones, J., Hall, S.J.B. and Rink, W.J. (1997) A laboratory inter-comparison of quartz optically stimulated luminescence (OSL) results. *Quaternary Geochronology (Quaternary Science Reviews)* 16, 275-280.
37. Rink, W.J. (1997) Electron spin resonance (ESR) dating and ESR applications in Quaternary Science and Archaeometry. *Radiation Measurements* 27, 975-1025.
38. see other
39. see other
40. Rink, W.J., Schwarcz, H.P., Lee, H.K., Cabrera Valdés, V., Bernaldo de Quiros, F. and Hoyos, M. (1997) ESR dating of Mousterian Levels at El Castillo Cave, Cantabria, Spain. *Journal of Archaeological*

Science 24, 593-600.

41. Swisher, C.C. III, Rink, W.J., Schwarcz, H.P. and Antón, S.C. (1997). Response to Grün, R. and Thorne A. Dating the Ngandong Humans. *Science* 276, 1575-1576.
42. Rink, W.J. (1998) Quartz as a light-sensitive indicator of sediment transport in coastal processes. *Journal of Coastal Research*, 15, 148-154.
43. Rink W.J. and Hunter, V.A. (1998) Densities of modern and fossil dental tissues: significance to ESR dating of tooth enamel. *Ancient TL* 15, 20-28.
44. Rink, W.J., Lee, H.K., Rees-Jones, J. and Goodger, K.A. (1998) Electron spin resonance (ESR) and mass spectrometric U-series dating of teeth in Crimean Palaeolithic sites: Starosele, Kabazi II and Kabazi V. In Marks, A.E. and Chabai, V.P. (eds) *The Middle Paleolithic of the Crimea*. pp. 323-340. ERAUL, Liège.
45. Schwarcz H.P. and Rink W.J. (1998) Progress in ESR and U-series chronology of the Levantine Paleolithic. In First Edition Akazawa, T., Aoki, K. & Bar-Yosef, O. *Neanderthals and Modern Humans in West Asia*. Pp. 57-66 Plenum Press, New York.
46. Yang, Q., Rink, W.J. and Brennan, B. (1998) Experimental determination of beta attenuation in planar dose geometry and applications to ESR dating of tooth enamel. *Radiation Measurements*, 29, 663-671.
47. Brennan, B. J. Rink, W. J., Rule, E. M., Schwarcz, H. P. and Prestwich, W. V. (1999) The Rosy ESR Dating Program. *Ancient TL* 17, 45-53.
48. Julig, P., Long, D.G.F., Schroeder, B., Rink, W.J., Richter, D., and Schwarcz, H.P. (1999) Geoarchaeology and new research at Jerf al-Ajla Cave. *Geoarchaeology*, 14:821-848.
49. Rink, W.J., Toyoda, S., Rees-Jones, J. and Schwarcz, H.P. (1999) Thermal activation of OSL as a geothermometer for quartz grain heating during fault movements. *Radiation Measurements*, 30, 97-105.
50. Schwarcz, H.P. and Rink, W.J. (1999) ESR dating of the Die Kelders Site. *Journal of Human Evolution* 38, 121-128.
51. Brennan, B.J., Marsh, R.E., Rink, W.J., Schwarcz, H.P. and Prestwich, W.V. (2000) Alpha and beta gradients in tooth enamel. *Radiation Measurements* 32, 759-765.
52. Marsh, R.E. and Rink, W.J. (2000) Beta-gradient isochron dating of tooth enamel layers using ESR. *Radiation Measurements* 32, 567-570.
53. Rees-Jones, J., Rink, W. J., and Norris, R. J. (2000) Optical dating of raised coastal sediments on the Akatore Fault, near-Dunedin, South Island, New Zealand. *New Zealand Journal of Geology and Geophysics*.
54. see contributions to books

55. Richter, D., Waiblinger, J., Rink, W. J. and Wagner, G. A. (2000) TL, ESR and ^{14}C Dating of the Late Middle and Early Upper Palaeolithic site of GeiBenklosterle Cave, Southern Germany, *Journal of Archaeological Science* 27, 71-89.
56. see contributions to books
57. see contributions to books
58. Toyoda, S., Rink, W.J., Schwarcz, H.P. and Rees-Jones, J. (2000) Crushing effects on TL and OS� on quartz: Relevance to fault dating. *Radiation Measurements* 32, 667-672.
59. see contributions to books
60. Bartoll, J., Rink, W.J. and Schwarcz, H.P. (2001) ESR signals from clusters of iron ions as indicators of the thermal history of fault gouge. *Applied Magnetic Resonance* 20.
61. Bartoll, J., Schwarcz, H.P. and Rink, W.J. (2001) ESR studies of E' centers in geological flint. *Radiation Measurements* 33, 893-898
62. see other
63. see other
64. Rink, W.J. and Pieper, K.D. (2001) Quartz thermoluminescence in a storm deposit and a welded beach ridge. *Quaternary Science Reviews (Quaternary Geochronology)* 20, 815-820.
65. Rink, W.J., Schwarcz, H.P., Lee, H.K., Rees-Jones, J., Rabinovich, R. and Hovers, E. (2001) Electron spin resonance (ESR) and thermal ionization mass spectrometric (TIMS) $^{230}\text{Th}/^{234}\text{U}$ dating of teeth in Middle Paleolithic layers at Amud Cave, Israel. *Geoarchaeology* 16, 701-717.
66. Schwarcz, H.P. and Rink, W.J. (2001) Skinflint dating. *Quaternary Science Reviews (Quaternary Geochronology)* 20, 1047-1050.
67. Schwarcz, H.P. and Rink, W.J. (2001) Dating methods for sediments of caves and rockshelters. *Geoarchaeology* 16, 355-371.
68. Toyoda, S., Rink, W.J., Yonezawa, C., Matsue, H., and Kagami, T. (2001) In situ production of alpha particles and alpha recoil particles in quartz applied to ESR studies of oxygen vacancies. *Quaternary Science Reviews (Quaternary Geochronology)* 20, 1057- 1061.

69. Bartoll, J. and Rink, W.J. (2002) ESR Studies of Authigenic Apatite Veins from Tabun Cave, Israel. *Advances in ESR Applications* 18, 1-4.
70. Bartoll, J., Schwarcz, H.P. and Rink, W.J. (2002) ESR of E' centres in unstrained geological quartz grains. *Applied Radiation and Isotopes* 57, 491-496
71. Richter, D., Schroeder, H.B., Rink, W.J., Julig, P.J. and Schwarcz, H.P. (2002) The Middle to Upper Palaeolithic transition in the Levant and new thermoluminescence dates for a Late Mousterian assemblage from Jerf Al-Ajla Cave (Syria). *Paléorient* 27, 29-46.
72. see other
73. Rink, W.J., Karavanić, I., Pettitt, P.B., van der Plicht, J., Smith, F.H. and Bartoll, J. (2002) ESR and AMS ¹⁴C dating of Mousterian levels at Mujina Pećina, Dalmatia, Croatia. *Journal of Archaeological Science* 29, 943-952.
74. Soressi, M. Armand, D., d'Errico, F., Jones, H.L., Pubert, D., Rink, W. J., Texier, J.P. and Vivent, D. (2002) Pech-de-l'Azé I (Carsac, Dordogne): nouveaux travaux sur le Moustérien de tradition acheuléenne. *Bulletin de la Société Préhistorique Française* 99, 5-11.
75. Tsukamoto, S., Asahi, K., Watanabe, T. and Rink, W.J. (2002) Timing of past glaciations in Kanchenjunga Himal, Nepal by optically-stimulated luminescence dating of tills. *Quaternary International* 97-98, 57-67.
76. Forrest, B., Rink, W.J., Bicho, N. and Ferring, R. (2003) OSL ages and possible bioturbation signals at the Upper Palaeolithic site of Lagoa do Bordoal, Algarve, Portugal. *Quaternary Science Reviews* 22, 1279-1285.
77. Khan, R.F.H., Rink, W.J. and Boreham, D.R. (2003) Dosimetric response evaluation of tooth enamel for accelerator-based neutron radiation. *Radiation Measurements* 37, 355-363.
78. Marsh, R.E., Prestwich, W.V., Rink, W.J. and Brennan, B.J. (2002) Monte Carlo determinations of the beta dose rate to tooth enamel. *Radiation Measurements* 35, 609-616..
79. Rink, W.J. (2003) Thermoluminescence of quartz and feldspar sand grains as a tracer of nearshore environmental processes in the Southeastern Mediterranean Sea. *Journal of Coastal Research* 19, 723-730.
80. see contributions to books
81. Rink, W.J. , Bartoll, J., Goldberg, P. and Ronen, A. (2003) ESR dating of archaeologically relevant authigenic terrestrial apatite veins from Tabun Cave, Israel. *Journal of Archaeological Science* 30, 1127-

1138.

82. Rink, W.J., Kandel, A.W. and Conard, N.J. (2002) ESR Geochronology and Geology of the Open-Air Paleolithic Deposits in Bollschweil, Germany. *Archaeometry* 44, 635-650.
83. Rink, W.J., Richter, D., Marks, A.E., Schwarcz, H.P. and Kaufman, D. (2003) Age of the Middle Palaeolithic Site of Rosh Ein Mor, Central Negev, Israel: Implications for the age range of the Early Levantine Mousterian of the Levantine Corridor. *Journal of Archaeological Science* 30, 195-204.
84. see contributions to books
85. Tsukamoto, S., Rink, W.J. and Watanuki, T. (2003) OSL of tephric loess and volcanic quartz in Japan and an alternative procedure for estimating D_e from a fast OSL component. *Radiation Measurements*. 37, 459-465.
86. Wrinn, P.J., Rink, W.J. (2003) ESR dating of tooth enamel from Aterian levels at Mugharet el 'Aliya, (Tangier, Morocco). *Journal of Archaeological Science* 30, 123-133.
87. Khan, R.F.H., Boreham D. and Rink, W.J. (2003) Quantification of low dose signal in EPR tooth enamel dosimetry – a novel approach. *Applied Radiation and Isotopes* 103, 359-362.
88. Rink, W.J. (2003) Electron Spin Resonance and Luminescent Dating: Principles and Applications. *Physics in Canada (Feature Article)* 59, 269-274.
89. Rink, W.J., Schwarcz, H.P., Ronen, A. and Tsatskin, A. (2004) Confirmation of a near 400 ka age for the Yabrudian industry at Tabun Cave, Israel. *Journal of Archaeological Science* 31, 15-20.
90. Khan, R.F.H., Rink, W.J. and Boreham, D. (2003) Biophysical dose measurement using electron paramagnetic resonance in rodent teeth. *Applied Radiation and Isotopes* 59, 189-196.
91. Trinkhaus, E., Marks, A.E., Brugal, J.-P., Bailey, S.E., Rink, W.J. and Richter, D. (2003) Later Middle Pleistocene human remains from the Almonda Karstic system, Torres Novas, Portugal. *Journal of Human Evolution* 45, 219-226.
92. Jones, H.L., Rink, W.J., Schepartz, L.A., Miller-Antonio, S., Huang, W. and Ellwood, B.B. (2004) Coupled electron spin resonance (ESR)/uranium-series dating of mammalian tooth enamel at Panxian Dadong, Guizhou Province, China. *Journal of Archaeological Science* 31, 975-977.
93. Khan, R.F.H., Aslam, Rink, W.J. and Boreham, D.R. (2004) Electron paramagnetic resonance dose response studies for neutron irradiated human teeth. *Nuclear Instruments and Methods in Physics Research B225*, 528-534.
94. Morwood, J.J., Soejono, R.P., Roberts, R.G., Sutikna, T., Turney, C.S.M., Westaway, K.E., Rink, W.J., Zhao, J.-x., van den Bergh, G.D., Rokus Awe Due, Hobbs, D.R., Moore, M.W., Bird, M.I. and Fifield,

- L.K. (2004) Archaeology and age of new hominin from Flores in eastern Indonesia. *Nature* 431, 1087-1091.
95. Rink, W.J., Schwarcz, H.P., Weiner, S., Goldberg, P., Meignen, L., and Bar-Yosef, O. (2004) Age of the Mousterian industry at Hayonim Cave, Northern Israel, using electron spin resonance and $^{230}\text{Th}/^{234}\text{U}$ methods. *Journal of Archaeological Science* 31, 953-964.
96. Rink, W.J., Schwarcz, H.P., Ronen, A. and Tsatskin, A. (2004) Confirmation of a near 400 ka age for the Yabrudian industry at Tabun Cave, Israel. *Journal of Archaeological Science* 31, 15-20.
97. Rink, W.J. and Bartoll, J. (2005) Dating the geometric Nasca lines in the Peruvian desert. *Antiquity* 79, 390-401
98. Rink, W.J. and Schwarcz, H.P. (2005) Short Contribution: ESR and uranium series dating of teeth from the Lower Palaeolithic site of Gesher Benot Ya 'aqov, Israel: confirmation of palaeomagnetic age indications. *Geoarchaeology* 20, 57-66.
99. Rink, W.J. and Forrest, B. (2005) Dating evidence for the accretion history of beach ridges on Cape Canaveral and Merritt Island, Florida, USA. *Journal of Coastal Research* 21, 1000-1009.
100. Khan, R.F., Pekar, J., Rink, W.J. and Boreham, D.R. (2005) Retrospective radiation dosimetry using electron paramagnetic resonance in canine dental enamel. *Applied Radiation and Isotopes* 62, 173-179.
101. Edouard G. Reinhardt, Beverly N. Goodman, Joe I. Boyce, Gloria Lopez, Peter van Hengstum, W. Jack Rink, Yossi Mart, Avner Raban (2006) The tsunami of 13 December A.D. 115 and the destruction of Herod the Great's harbor at Caesarea Maritima, Israel. *Geology* v. 34, p. 1061-1064.
102. K.E. Westaway, M.J. Morwood, R.G. Roberts, J.-x. Zhao, T. Sutikna, E.W. Saptomo, W.J. Rink (2006) Establishing the time of initial human occupation of Liang Bua, Western Flores, Indonesia. *Quaternary Geochronology*.
103. López, G.I., and Rink, W.J. (2007) Characteristics of the burial environment related to Quartz SAR-OSL dating at St. Vincent Island, NW Florida, U.S.A. *Quaternary Geochronology* 2, 65-70.
104. Thompson, J.W. and Rink, W.J. and López, G.I. (2007) Optically-stimulated luminescence age of the Old Cedar midden, St. Joseph Peninsula State Park, Florida. *Quaternary Geochronology* 2, 350-355.
105. Soressi, M., Jones, H.L., Rink, W.J., Maureille, B., Tillier, A.-m. (2007) The Pech-de-l'Azé I Neandertal child: ESR, uranium-series, and AMS ^{14}C dating of its MTA type B context. *Journal Of Human Evolution* 52, 455-466.
106. Rink, W.J., Bartoll, J., Schwarcz, H.P., Shane, P. and Bar-Yosef, O. (2007). Testing the reliability of ESR dating of optically-exposed buried quartz sediments. *Radiation Measurements* 42:1618-1626.

107. Rink, W.J, Wei, W., Bekken, D. and Jones, H.L. (2008) Geochronology of Ailuropoda–Stegodon fauna and Gigantopithecus in Guangxi Province, southern China. *Quaternary Research* 69:377-387.
108. López, G.I., and Rink, W.J. (2008) New Quartz-OSL ages for Beach Ridges on the St. Vincent Island Holocene Strandplain, Florida, U.S.A. *Journal of Coastal Research* 24:49-62.
109. M. Dominguez-Rodrigo, A. Mabulla, L. Luque, J.W. Thompson, J. Rink, P. Bushozi, F. Dí'ez-Martin, L. Alcalá (2008) A new archaic Homo sapiens fossil from Lake Eyasi, Tanzania. *Journal of Human Evolution* 54. 899-903.
110. Adler, D.S., Bar-Yosef, O., Belfer-Cohen, A., Tushabramashvilli, N., Boaretto, E., Mercier, N., Valladas, H. and Rink, W.J. (2008) Dating the demise: Neandertal extinction and the establishment of modern humans in the southern Caucasus. *Journal of Human Evolution* 55: 817-833.
111. R.G. Roberts, K.E. Westaway, J.-x. Zhao, C.S.M. Turney, M.I. Bird, W.J. Rink, L.K. Fifield (2009) Geochronology of cave deposits at Liang Bua and of adjacent river terraces in the Wae Racang valley, western Flores, Indonesia: a synthesis of age estimates for the type locality of Homo floresiensis. *Journal of Human Evolution* 57, 484–502.
112. Thompson, J.W., Abu Atiya, I., Rink, W.J., & Boreham, D., 2009. Potential use of wallboard (drywall) for EPR retrospective dosimetry. *Radiation Measurements* 44, 243-248.
113. Burdette, K.E., Rink, W. J., Means, H. and Portell, R.W. (2009) Optical Dating of the Anastasia Formation, Northeastern Florida, USA. *Southeastern Geology* 46, 173-185.

In press January 2010

- López, G.I., Rink., W.J. and White, N.M. (In press) Optical Dating of an Ancient Coastal Occupation Site and Underlying Land on the Northwest Gulf Coast of Florida, near Apalachicola, U.S.A. *Geoarchaeology*.
- López, G.I., Hermelin, M., García, C., Sierra, G.M., Toro, G.E., and Rink, W.J. (In press) Evaluation of the Evolution of a High Elevation Plateau in the Northern Central Cordillera of the Andes, Colombia, South America: First Optical Ages and Preliminary Results. *Geomorphology*
- Zeitoun, V., Lenoble, A., Laudet, F., Winayalai, C., Thompson, J., & Rink, W., (In press). The Pleistocene site of Ban Fa Suai (Chiang Dao Wildlife Sanctuary): an essay for paleoecology. *Quaternary International*.
- Turq, A., McPherron, S., Rink, W.J. Jones, H.L. and others. (In press) Results of New Excavations at Pech de L’Aze IV, Dordogne, France: ESR Dating. *Gallia Préhistoire*.

Submitted January 2010

Liberda, J.L., Thompson, J., Rink, W.J. Bernaldo de Quirós, F., Jayaraman, R., Selvaretinam, K., Chanellor-Maddison, K., & Volterra, V. (in final revision) ESR dating of tooth enamel in Mousterian level 20, El Castillo, Spain. *Geoarchaeology*.

Rink, W.J. and López, G.I. (in final revision) OSL-Based Lateral Progradation and Aeolian Sediment Accumulation Rates for the Apalachicola Barrier Island Complex, North Gulf of Mexico, Florida. *Geomorphology*.

Optically-Stimulated Luminescence Dosimetry with Gypsum Wallboard (Drywall) (submitted)
Jeroen W. Thompson¹, Kevin E. Burdette, Elizabeth L. Inrig, Regina DeWitt, Rajesh Mistry, W. Jack Rink, Douglas R. Boreham. *Radiation Protection Dosimetry*

Contributions to Books (Not Peer Reviewed)

Szwarcz, H.P. and Rink, W.J. (1996) ESR Dating in Archaeology and Anthropology. Section 2-Archaeometry, Colloquium III: Dating Methods: Comparisons and Correlations. pgs. 31-38. XIII International Congress of Prehistoric and Protohistoric Sciences, Forlì, Italy, Sept. 8-14, 1996.

Clark, G.A., Schuldenrein, J., Donaldson, M.L., Szwarcz, H.P., Rink, W.J. and Fish, S.K. (1997) Chronostratigraphic contexts of Middle Palaeolithic horizons at the Ain Difla rockshelter (WHS 634), West-Central Jordan. In H.G.K. Gebel, Z. Kafafi and G.O. Rollefson (eds) *The Prehistory of Jordan, II. Perspectives from 1997. Studies in Early Near Eastern Production, Subsistence, and Environment 4*. Berlin, ex oriente.

Rink, W. J., Rees-Jones, J., Volterra, V. and Szwarcz, H. P. (2000) ESR, OSL and U-Series chronology of Gorham's Cave, Gibraltar. In C.B. Stringer, R.N.E. Barton and Finlayson, J. C. (eds) *Neanderthals on the Edge*, pp. 165-170, Oxford Books, Oxford.

Volterra, V., Rink, W.J. and Szwarcz, H.P. (2000) Results of the current program of ESR dating of Gorham's Cave teeth from the Gibraltar Museum. In C.B. Stringer, R.N.E. Barton and Finlayson, J. C. (eds) *Neanderthals on the Edge*, p. 163-164, Oxford Books, Oxford.

Journal Articles (Not Peer Reviewed)

Toyoda, S., Kirschner, D.L., Rink, W.J., and Szwarcz, H.P. (1995) ESR Dating of Quartz Vein. *Advances in ESR Applications* 11: 8-13.

Other (Not-Peer Reviewed)

Rink, W.J. (1997) Archaeological Dating. Society of Archaeological Science Bulletin v. 20, No. 1 /2, 12-13.

Rink, W.J. (1997) Cautions for use of thermoluminescence dating of sediment. Society of Archaeological Science Bulletin. v. 20, No. 3/4, pp. 8-9.

Rink, W.J. (2001) Luminescence dating and LED 2002. Society for Archaeological Sciences Bulletin 24, p. 5.

Rink, W.J. (2001) The dating game. In Zimmer, C. How old is it? National Geographic, September 2001.

Rink, W.J. (2002) Scientific Editor, Book of Abstracts for 10th International Specialist Conference on Luminescence and Electron Spin Resonance Dating. Published by: School of Geography and Geology, McMaster University, Hamilton, ON. Canada L8S 4K1, 212 pages.

Presentations at Meetings since 1997 (Peer Reviewed)

Litchfield, N. J., Norris, R. J., Landis, C.A., Rink, W.J. and Rees-Jones, J. (1997) Quaternary uplift on the Akatore Fault – evidence from marine terraces. Geological Society of New Zealand Annual Conference, 25-27 Nov., Museum of New Zealand Te Papa Tongarewa, Wellington. (Published Abstract and Presentation) Geological Society of New Zealand Miscellaneous Publication 95A, p. 103.

Julig, P.G., Schroeder, B., Rink, W.J. and Schwarcz, H.P. (1997) Geoarchaeology of Palaeolithic sites in the Syrian steppe desert: regional overview and new research at Jerf-al Ajla Cave. Geological Society of America Annual Meeting, October, 1997, Seattle. [Published Abstract and Presentation, Contributed]

Rink, W.J., Schwarcz, H.P., Swisher, C.C., Antón, S.C. and Jacob, T. (1997) Late Pleistocene ESR dates for *Homo erectus* at Ngandong, Java: contemporaneity with *H. sapiens* in Southeast Asia. American Association of Physical Anthropologists Annual Meeting, April, 1997, St. Louis. [Published Abstract and Presentation, Contributed]

Rink, W.J. and Smith, K. (1998) ESR fingerprinting and provenance determination of archaeological and geological jaspers. 9th Annual International Workshops in Archaeometry Conference, Buffalo, New York, USA, Feb. 23-24, 1998.

Richter, D., Rink, W.J., Schwarcz, H.P., Wagner, G. and Waiblinger, J. (1998) Thermoluminescence dating of heated stone artifacts and ESR dating of Middle and Upper Palaeolithic sites. Society for American Archaeology Annual Meeting, Seattle, Washington, USA, March 25-29. [Contributed Paper and Published Abstract, p. 252 Abstracts Volume]

Rink W.J., Schwarcz, H., Lee, H-K., Rees-Jones, J. and Mercier, N. (1998) ESR dating of tooth enamel

and mass spectrometric dating of stalagmite from the Middle Palaeolithic deposits of Hayonim Cave, Israel. Society for American Archaeology Annual Meeting, Seattle, Washington, USA, March 25-29. [Contributed Paper and Published Abstract, p. 253 Abstracts Volume].

Schwarcz, H.P. and *Rink, W.J. (1998) Problems and prospects in the application of ESR dating of tooth enamel. Society for American Archaeology Annual Meeting, Seattle, Washington, USA, March 25-29. [Contributed Paper and Published Abstract, p. 269 Abstracts Volume].

Valladas, H., Rink, W.J., Mercier, N., Richter, D. and Marks, A. (1998) Luminescence dating of Boker Tachtit and Rosh Ein Mor, Negev, Israel. Society for American Archaeology Annual Meeting, Seattle, Washington, USA, March 25-29. [Published Abstract, p. 298 Abstracts Volume].

Skinner, A.R. and Rink, W.J. (1998) ESR dating of flint: problems with the E' centre. 31st International Symposium on Archaeometry. Budapest, Hungary. April 28- May 2. [Contributed Paper and Published Abstract].

Toyoda, S., Rink, W.J., Rees-Jones, J. and Schwarcz, H.P. Thermal activation of OSL as a geothermometer for quartz grain heating during fault movements. Japan Earth and Planetary Joint Meeting, May 26-29, 1998, Tokyo.

Rink, W.J., Rees-Jones, J., Volterra, V. and Schwarcz, H.P. (1998) Optically stimulated luminescence dating of cave sands and U-series dating of crystalline calcite pods at Gorham's Cave, Gibraltar. Gibraltar and the Neanderthals 1848-1998. Gibraltar, August 28-29. [Invited Abstract and Presentation].

Rink, W.J. (1999) Environmental effects of sample collection issues in ESR and luminescence dating: examining potential sources of error. World Archaeological Congress, Capetown, South Africa, January 10-14. [Invited Paper and Published Abstract]

Rink, W.J. and Schwarcz, H.P. (1999) ESR and U-series chronology for Lower and Middle Paleolithic sites in Northern Israel. Society of American Archaeology Annual Meeting, Chicago, USA, March 24-28. [Invited Symposium Paper and Published Abstract]

Rink, W.J. (1999) ESR dating of the Croatia Palaeolithic sites of Akrapina, vindiija and Mujina Pecina, Krapina and the Neandarthals, Zagreb, Croatia, August 23-28. [Invited Paper and Published Abstract].

Rink, W.J. and Piper, K.D. (1999) Applications of TL and OSL in modern coastal zones. 9th International Conference on ESR and Luminscence Dating, Rome, Italy, September 4-9. [Contributed Paper and Published Abstract].

Richter, D. and Rink, W.J. (1999) Thermoluminescence dating of flint heated by a lava flow of known age. 9th International Conference on ESR and Luminscence Dating, Rome, Italy, September 4-9. [Contributed Paper and Published Abstract].

Schwarcz, H.P. and Rink, W.J. (1999) Skinflint Dating. 9th International Conference on ESR and

Luminescence Dating, Rome, Italy, September 4-9. [Contributed Paper and Published Abstract].

Toyoda, S., Rink, W.J., Rees-Jones, J. and Schwarcz, H.P. (1999) Thermal activation of OSL as a geothermometer for quartz and the TL and OSL characteristics on crushing quartz grains with respect to ESR dating of fault movements. 9th International Conference on ESR and Luminescence Dating, Rome, Italy, September 4-9. [Contributed Paper and Published Abstract].

Toyoda, S., Rink, W.J., Kagami, T. and Yonezawa, C. (1999) Paramagnetic defects in quartz created by internal alpha particles. 9th International Conference on ESR and Luminescence Dating, Rome, Italy, September 4-9. [Contributed Paper and Published Abstract].

Marsh, R. E. and Rink, W.J. (1999) Beta gradient isochron dating of tooth enamel thin layers using ESR. 9th International Conference on ESR and Luminescence Dating, Rome, Italy, September 4-9. [Contributed Paper and Published Abstract].

Brennan, B.J., Prestwich, W.V., Rink, W.J., Marsh, R.E. and Schwarcz, H.P. (1999) Alpha and beta dose gradients in tooth enamel. 9th International Conference on ESR and Luminescence Dating, Rome, Italy, September 4-9. [Contributed Paper and Published Abstract].

Volterra, V., Rink, W.J. and Schwarcz, H.P. (1999) Dating of Iberian Mousterian layers by ESR. 9th International Conference on ESR and Luminescence Dating, Rome, Italy, September 4-9. [Contributed Paper and Published Abstract].

Rink, W.J., Schepartz, L.A., Miller-Antonio, S., Huang, W., Hou, Y., Bakken, D., Richter, D. and Jones, H.L. (2000) ESR dating of tooth enamel at the Middle Palaeolithic Site of Panxian Dadong Cave, Guizhou, China. Society for American Archaeology Annual Meeting, Philadelphia, Pennsylvania, USA April 4-11. Invited Paper and Published Abstract].

Schwarcz, H.P. and Rink, W.J. (2000) Dating of Sediments in Rock Shelters and Caves. Society for American Archaeology Annual Meeting, Philadelphia, Pennsylvania, USA April 4-11. Invited Paper and Published Abstract].

Rink, W.J. (2002) ESR Optical dating of sand at Ubediya. Geological Association of Canada Annual Meeting, Applications in ESR Symposium Keynote Speaker. Saskatoon Saskatchewan, May 27-29. [Invited Paper and Published Abstract]

Forrest, B., Rink, W.J., Bicho, N. and Ferring, C.R. (2002) Optical Luminescence Dating of the Upper Paleolithic Site of Lago do Bordoal, Algarve, Portugal. 10th International Specialist Seminar in Luminescence and Electron Spin Resonance Dating, June 24-28, Reno, Nevada USA. [Contributed Paper and Published Abstract].

Rink, W.J. and Forrest, B. (2003) OSL ages of a stranded beach ridge sequence on Cape Canveral Florida, USA. 10th International Specialist Seminar in Luminescence and Electron Spin Resonance Dating, June 24-28, Reno, Nevada USA. [Contributed Paper and Published Abstract].

Khan, R.F.H., Rink, W.J. and Boreham, D. (2003) Dosimetric response evaluation of tooth enamel with accelerator-based pseudo-monoenergetic neutron radiation. 10th International Specialist Seminar in Luminescence and Electron Spin Resonance Dating, June 24-28, Reno, Nevada USA. [Contributed Paper and Published Abstract].

Tsukamoto, S., Rink, W.J. and Watanuki, T. (2003) A Correction Method for Recuperation-Induced Age Underestimation for Quartz Samples. 10th International Specialist Seminar in Luminescence and Electron Spin Resonance Dating, June 24-28, Reno, Nevada USA. [Contributed Paper and Published Abstract].

Rink, W.J., Boyce, J. and Pilarczyk, J. (2004) Loggerhead turtle nesting preference for high geomagnetic fields and field gradients. 24th Annual Symposium on Sea Turtle Biology and Conservation, San Jose, Costa Rica. Feb 22-29, 2004. Contributed Poster Presentation

Pilarczyk, J., Rink, W.J. and Boyce, J. (2004) Regional scale studies of loggerhead nesting preference for high geomagnetic field intensity. 24th Annual Symposium on Sea Turtle Biology and Conservation, San Jose, Costa Rica. Feb 22-29, 2004. Contributed Poster Presentation

López, G.I. and Rink, W.J., 2005. Quartz SAR-OSL ages from St. Vincent Island beach ridge plain, NW Florida, U.S.A. 11th International Conference on Luminescence and Electron Spin Resonance Dating - LED, 2005, Proceedings. Cologne, Germany, July 24-29 (abstract & poster). Contributed

Thompson, J.W. and Rink, W.J.) Optically-stimulated luminescence age of the Old Cedar midden, St. Joseph Peninsula State Park, Florida. 11th International Conference on Luminescence and Electron Spin Resonance Dating -LED, 2005, Proceedings. Cologne, Germany, July 24-29 (abstract & poster). Contributed

Thompson, J.W. and Rink, W.J. Electron spin resonance dating of flint surfaces. Quaternary Research Association Discussion Meeting 2005. The Palaeolithic Occupation Of Europe. British Museum, London, UK., January 5-6, 2005. (abstract and poster).Contributed.

Burdette, K., Rink, W.J., Mallinson, D., 2007. Geomorphology and Preliminary Optical Dating on Paleoshoreline Features in Northern Florida, USA. Geological Society of America Abstracts with Programs, 39(6). Poster. GSA Annual Meeting, Denver Colorado

Mallinson, D., Burdette, K., Rink, W.J., Mahan, S., Brook, G., Smith, C., Parham, P., Riggs, S., Culver, S., 2007. Assessing the Chronostratigraphy of Late Pleistocene and Holocene Coastal Lithosomes using Optically Stimulated Luminescence Techniques: Intriguing Results from NC and FL. Geological Society of America Abstracts with Programs, 39(2), p.73. GSA Southeastern Section Meeting.

Tibbetts, N.J., Parker, W.C., Rink, W.J., Boyce, J.I. (2007) Observed Relationship Between Coastal Geomagnetic Anomalies and Nesting Density of Green and Loggerhead Turtles in Tortuguero, Costa Rica. Proceedings of the 27th Annual Symposium on Sea Turtle Biology and Conservation, Myrtle Beach, South Carolina, USA, Feb 27-March 1, 2007.

Thompson, J., Abu Atiya, I., Rink, W.J., Boreham, D. “EPR fortuitous dosimetry.” Golden Horseshoe 2008: Radiation Symposium (jointly registered with the University of Rochester James P. Wilmot Cancer Center 13th Annual Scientific Symposium), Rochester NY, October 2008.

Abu Atiya, I., Thompson, J.W., Boreham, D.R., Rink, J. “EPR dosimetry on accidentally irradiated drywall.” 44th Canadian Undergraduate Physics Conference, Toronto ON, October 2008.

Burdette, K., Rink, W.J., Mallinson, D., 2008. Optical Dating of Paleoshoreline Features in Northeastern Florida, USA. Geological Society of America Abstracts with Programs, 40(6), p.158. Oct5-9 2008 Houston Texas.

Mistry, R., Thompson, J., Rink, J., Boreham, D. (2009) “Improving the Detection Limit of EPR Dosimetry of Drywall.” 33rd CNS-CNA Student Conference, Calgary AB. May 31-June 3, 2009.

Mistry, R., Thompson, J., Rink, J., Boreham, D. (2009) “Improving the Detection Limit of EPR Dosimetry of Drywall”, ACRP-CRPA/CRSO 2009, Montréal QC, May 23-May 29, 2009.

Rink, W.J. (2009) Research Questions about Sea Turtle Behaviour January 27, 2009, St. Teresa, Florida Florida State University Coastal and Marine Laboratory Lunch Bunch

Rink, W.J. Optical Luminescence Dating of Quartz at Wakulla Springs: A newly dated Early North American Site. February 3, 2009, Tallahassee, Florida Prehistoric Archaeological Society of Tallahassee

Rink, W.J. and Lopez, G.I. (2009) Optical Luminescence Dating and Holocene Evolution of Beach Ridges on St. Joseph Peninsula, Cape San Blas, St. Vincent Island and Little St. George Island, North Gulf of Mexico, Florida USA. (POSTER) March 13, 2009, Tampa Florida Geological Society of America Southeastern Section Annual Meeting

Optical Luminescence Dating and Holocene Evolution of Beach Ridges on St. Joseph Peninsula, Cape San Blas, St. Vincent Island and Little St. George Island, North Gulf of Mexico, Florida USA.: with demonstration of coring equipment. (POSTER) April 18, 2009, St. Teresa, Florida. Florida State University Coastal and Marine Laboratory Open House

Rink, W.J., Burdette, K. and Dunbar, J. (2009) Optical Luminescence Dating of Quartz at Wakulla Springs: A newly dated Early North American Site April 24, 2009, Atlanta, Georgia. Society for American Archaeology Annual Meeting

Administrative Responsibilities since 1997

1997-1998

Associate Director, School of Geography and Geology

Member, Geoscience Tenure Track Position Selection Committee
Member, Strategic Planning Committee
Member, Faculty of Science Council
Undergraduate Advisor, Environmental Science Option, Honours Science
Chair, School of Geography and Geology, Geoscience OCGS Visit Preparations Committee

1999

Chair, Graduate Committee, School of Geography and Geology
Member, Committee for Long Range Plan of SGG
Member, Ph.D Comprehensive Exam Committee, Mr. Clayton Morgan, Ms. Feride Serefiddin
Member, University Graduate Study and Admissions Committee

2000

Member, Faculty of Science Grad. Curriculum, Policies, Admissions and Studies Committee

2001

Co-Chair, School of Geography and Geology Health and Safety Committee
Member, Faculty of Science Health and Safety Committee

2002

Co-Chair, School of Geography and Geology Health and Safety Committee
Member, Faculty of Science Health and Safety Committee
Member, Search Committee for 2 Geochemist Positions
Advisor, two undergraduate Medical Physics students

2007-2008

School of Geography and Earth Sciences Outreach Committee
School of Geography and Earth Sciences Equipment Committee
Organized Departmental Seminar Series Winter Term