

GRENVILLE DRAPER

CURRICULUM VITA

September 2008

PERSONAL INFORMATION

Place of Birth: Leeds, Yorkshire, England **Citizenship:** Naturalized US citizen since 1994
Gender: Male

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EDUCATION AND QUALIFICATIONS

Present Licensed Professional Geologist, State of Florida, no. 816
1975 - 1979 Ph.D. (Geology) University of the West Indies, Jamaica. Dissertation: **Tectonics of the regionally metamorphosed rocks of eastern Jamaica.** 277 pp.
1973 - 1974 M.Sc.(Structural Geology), Imperial College, London. Thesis: **Catalasites and fault breccias: a preliminary study.** 58pp
1970 - 1973 B.A. (Hons) (Natural Sciences - geology), Cambridge University, Cambridge, England. Senior thesis: **Geology of the Union Hill area, St. Thomas, Jamaica.**
1962 - 1969 Morley Grammar School, Morley, Nr. Leeds, Britain

POSITIONS HELD

1990-present Full Professor and Graduate Faculty in geology, Florida International University
2008-present Associate Director, Liberal Studies program, College of Arts and Sciences, Florida International University
1999 Catedrático visitante, Departamento de Geología, Universidad de Salamanca, Spain
1991-1994 Chair, Department of Geology, Florida International University
1984 - 1990 Associate Professor (tenured) in geology, Florida International University, Miami, Fl 33199, U.S.A. Courses taught: structural geology, tectonics, geological maps, field geology, physical geology, earth resources. *Developed Physical Geology Laboratory Course and Manual*
1978 - 1984 Assistant Professor in geology. Florida International University, Miami. Courses taught: structural geology, geological maps, field geology, physical geology, earth resources; also physical geography, mineralogy, optical mineralogy, petrology.
1975 - 1978 Curator, Geology Dept., University of the West Indies. In addition to curating, responsible for courses in structural geology and field mapping.
1974 - 1975 Temporary assistant lecturer, Geology Dept., University of the West Indies. Responsible for courses in structural geology, tectonics, metamorphic petrology, geophysics.
1973.-1979 Teaching assistant, Imperial College, London. Geology for Engineers.

1969 - 1970 Volunteer technical assistant, Geological Survey, New Hebrides, S.W. Pacific
(sponsored by V.S.O., London - a British equivalent of "Peace Corps").

LANGUAGE SKILLS

Fluency in spoken and written Spanish; moderate reading ability in French.

COMPUTER SKILLS

Knowledge of Macintosh OS and various proprietary applications. Major Mac applications: Word, Excel, Illustrator etc.. Knowledge of Windows 95, 2000 OS and applications such as Word 97 and MS Works. Use of PageMill to create web pages and sites. Programming in BASIC and FORTRAN.

GEOLOGIC FIELD EXPERIENCE

1979-present Frequent and extended trips to the Dominican Republic mapping in Mesozoic and Cenozoic metamorphic, volcanics and sedimentary rocks. Includes student field camps.

1972- present Numerous trips to examine aspects of structural geology of the Caribbean and Latin American: **Jamaica (1972-1998), Dominican Republic (1979-2001)**, Curacao (1976), Trinidad (1978, 1992, 1999), Haiti (1979, 1982), Puerto Rico (1985, 1987, 2001) Central Mexico (1986, 1990, 1991, 1993), Barbados (1986, 1990, 1991), Belize (1998), Costa Rica (1999).

1999 & 2000 Teaching geologic mapping and structural geology in U. of Salamanca field camps in central and northern Spain.

1993-94 Relationship of volcanic vent alignment to structure in San Francisco Volcanic Field, northern Arizona.

1991 Student field camp in Colima, Mexico - Cretaceous continental margin and recent volcanism

1989 Study of microstructure development in the Caledonia Formation of St. Croix.

1989 Undergraduate field camp in Owens Valley, California - deformed Paleozoic sediments and recent volcanism

1987-2000 Extensive field trips in Iberian Peninsula to examine structure of Variscan, Pyrenean and Betic orogenic belts

1980 Undergraduate field camp in southern Appalachians

1979 Mapping in Cretaceous volcanics and deformed Tertiary sediments in southern Haiti.

1978 Supervision of University of the West Indies student field camp in Tobago, West Indies.

1974-1980 Mapping of metamorphic and associated rocks in Jamaica (PhD.); caves and karst landforms in western Jamaica; student field camps in both eastern and western Jamaica (supervisor).

1972 Leader and organizer of geological expedition to the Blue mountains, Jamaica.

1971 Field assistant to Drs. M.J.P. Welland and A.G. Smith, Othris Mts., eastern Greece.

1970 - 1974 Numerous student trips to localities in England Scotland, Wales, and Ireland in connection with B.A. and M.Sc. degrees.

MEMBERSHIP OF PROFESSIONAL SOCIETIES, ETC

Geological Society of London; Geological Society of America; American Geophysical Union; Miami Geological Society; Geological Society of Jamaica.

PROFESSIONAL SERVICE

2004-present Consulting advisor **Studia Geologica Salmanticensia**, Salamanca, Spain
1995-present Editorial Board *International Geology Review*
2001-present Editorial Board *Geologica Acta*, Barcelona, Spain
1997-present Founder and maintainer, *Caribbean Geology & Tectonics Website*
1992-present Chair, standing committee for the Caribbean Geological Conference series.
1989-present Appointed as an international evaluator for Comisión Interministerial de Ciencia y Tecnología, Government of Spain
1980-present Regular reviewer for geological journals: *Geology*, *Geological Society of America Bulletin*, *Journal of Geology*, *Journal of Marine and Petroleum Geology*, *Journal of the Geological Society of London*, *Tectonics*
1980-present Regular reviewer for National Science Foundation
1994 -2001 External examiner in Geology for the University of the West Indies (Jamaica Campus)
1996-2000 Assessor, EEC sponsored regional geologic mapping project, central Dominican Republic
1998-1999 Editorial Review Board, *Ocean Drilling Program*, Scientific results volume of Leg 165
1994 -1999 Leader, *International Geological Correlation Program, Project 364*, Caribbean Volcanic Arcs and Ophiolites
1989-1990 Co-editor, Transactions, 12th Caribbean Geological Conference, St. Croix, Nov. 7-11, 1989.
1989 Chairman, technical sessions, 12th Caribbean Geological Conference, St. Croix, Nov. 7-11, 1989.
1989, 1995 Reviewer for "Earth" published by W.H. Freeman
1988 & 1990 Reviewer for "The Dynamic Earth" published by John Wiley
1986- 1989 Associate editor, Journal of the Geological Society of Jamaica
1983 - 1984 President, Miami Geological Society.
1981 - 1983 Program chairman, Miami Geological Society
1977-1978 Council Member, Geological Society of Jamaica
1973 President, Sedgwick Club (Cambridge U. Geological Society)

UNIVERSITY AND COMMUNITY SERVICE

2007-present College of Arts and Sciences Tenure and Promotion Committee (Chair)
1996-1998 Faculty Senate
1997 University Sabbatical leave committee
1990-91 Member of College of Arts and Sciences tenure and promotion committee
1988-present Member university organizational prior approval (OPAS) committee.
1986-present Faculty advisor to FIU Geology Club.
1985-present Frequent appearances on local news media as commentator on geological issues such as earthquakes, volcanic eruptions, creationism etc.
1979-present Represented Geology program/department on budget, curriculum, and library committees of College of Arts and Sciences on various occasions.

HONORS AND AWARDS

- 2005 Fellow of Florida International University Honors College
1999 Recipient of State of Florida Professorial Excellence Program Award
1996 Recipient of State of Florida Teaching Incentive Program Award
1979 Elected Fellow, The Geological Society (of London).
1973-1974 Recipient of Natural Environment Research Council (U.K.) studentship.
1970 - 1973 Recipient of West Riding County Council (Yorkshire, England) Oxbridge Scholarship.

GRANTS

- 2003-2006 National Science Foundation: *GeoSCOPE (GeoScience Career Opportunity Exploration) – exploring Geoscience career opportunities* (Dr. R. Hickey-Vargas and G. Draper co-PD (\$600,000).
2002-2004 National Science Foundation (International Division), *Characterization of high pressure/ultra-high pressure alpine type garnet peridotite in the northern Dominican Republic.* (\$10,000)
2001-2004 National Science Foundation, Undergraduate Mentoring in Environmental Biology (J. Francisco-Ortega and L. Collins, PD's, several faculty associates: *Environmental Biology and Evolution in the Caribbean Basin*, (\$400,000)
1995-1999 NASA Topography and Surface Change Program: Co PI with Dean Whitman (PD) and Tim Gubbels; *Application of high resolution digital topography data to the detection of incipient sinkhole formation in central Florida* (\$222,155)
1995 Mellon Foundation faculty development grant for Latin American studies: *Shear zones and ophiolite emplacement in the Dominican Republic* (\$6000)
1994-1998 International Union of Geological Sciences/UNESCO *International Geological Correlation Program, Project 364: Correlation of ophiolites and volcanic arcs in the Caribbean* (\$6000 per year from IUGS/UNESCO; \$2500 from private sources)
1993-1994 Mobil Corp: *Neotectonic and paleostress studies in the Azua region, southern Hispaniola* (\$5000)
1992-1994 Department of Energy: Co PI with Charles Connor (PD) and Christopher Condit: *Dynamics of volcanic vent alignment in the San Francisco volcanic field, northern Arizona* (\$100,000)
1992-1993 National Science Foundation: *Correlation of tectonstratigraphic terranes in the northern Caribbean: a workshop* (\$13,000)
1989 Florida International University Foundation: *Studies of tectonite fabrics in the Caledonia Formation, St. Croix, U.S.V.I.* (\$7,740)
1985 - 1987 National Science Foundation Grant: *Continued studies of northern Hispaniola* (\$52,713).
1983 - 1985 National Science Foundation Grant: *Study of the Subduction Complex of N. Hispaniola* (\$62,000).
1979-present Various small grants from Latin American Caribbean Center of Florida International University for field and conference expenses (totals over \$2500)
1977 Geological Society of America research grant for analytical expenses (\$300)

PUBLICATIONS

Books and monographs:

- Draper, G. and Yanni, G.E., 1988, English/Spanish - Spanish/ English Dictionary of Geological Terms (Preliminary Edition): Occasional Papers - Dialogues series, Latin-American Caribbean Center, Florida International University, 97 pp. Republished electronically 2006 by Florida International University Libraries Digital Commons Project at <http://digitalcommons.fiu.edu/laccopsd/1/>
- Larue, D.K. and Draper, G., (eds), 1990, Transactions of the 12th Caribbean Geological Conference. St. Croix: Miami Geological Society, Miami, 553pp.
- Mann, P., Draper, G. and Lewis, J.F. (eds.), 1991, Geological and tectonic development of the North American-Caribbean plate boundary in Hispaniola: Geol. Soc America Special Paper 262, 401pp., 5 plates.
- Leckie, M., Sigurdsson, H. Acton, G. D and Draper, G. (eds.), 2000, Proceedings of the Ocean Drilling Program scientific results, Leg 165, College Station, Texas (Ocean Drilling Program), 335 pp. + CD-rom
- Owen, C., Pirie, D and Draper, G., 2001, Earth Lab: exploring the earth sciences (1st ed.) Brookes/Cole, 377pp. (ISBN 0-534-37953-2),
- Owen, C., Pirie, D and Draper, G., 2006, Earth Lab: exploring the earth sciences (2nd ed.) Brookes/Cole, 564pp. (ISBN 0-495-01328-5)

Research and review articles; maps :

- Draper, G., 1976a, Grain size as an indicator of shear strain in brittle fault zones: Tectonophysics, v. 35, p. T7-13.
- Draper, G., 1976b, A note on the acquisition of Lucas Barrett's collection rocks for the Geology Museum of the University of the West Indies: J. Geol.Soc. Jamaica, v. 15, p. 33-36.
- Draper, G., Harding, R.R., Horsfield, W.T., Kemp, A.W. and Tresham, A.E. (1976) Low grade metamorphic belt in Jamaica and its tectonic implications: Geol. Soc. America Bull., v. 87, p. 1283-1290.
- Wadge, G. and Draper, G., 1977a, The influence of lithology on Jamaican cave morphology: Proc. 7th International Speleological Conference, Sheffield, England, p. 414-416.
- Wadge, G. and Draper, G., 1977b, Tectonic control of speleogenesis in Jamaica: Proc. 7th International Speleological Conference, Sheffield, England, p. 416-419.
- Wadge, G. and Draper, G., 1977c, The geology of Jamaican caves: *in* Fincham, A.G., Jamaica Underground. Geol. Soc. Jamaica, Kingston, 1977, v. 247 p. 12-15.
- Wadge, G. and Draper, G., 1978, Structural geology of the southeast Blue Mountains, Jamaica: Geologie in Mijnbouw, v. 57, p. 347-352.
- Draper, G. 1978, Coaxial pure shear in Jamaican blueschists and deformation association with subduction: Nature, v. 275, p. 735-736.
- Draper, G. 1978, Plotting and contouring equal area structural diagrams using the IBM 360/30 computer: J. Geol.Soc.Jamaica, v.17, p. 32-38.
- Draper, G., 1979, Comment on "Variation in strain and strain rate during underthrusting of trench deposits": Geology, v 7, p. 419.
- Wadge, G., Fincham, A.G. and Draper, G. 1979, The caves of Jackson's Bay and the Cainozoic geology of southern Jamaica: Trans. British Cave Res.Assoc. v. 6, p. 70-84. Reprinted (1983) in D.C. Speleograph, v. 39. 7, p. 3-11.
- Draper, G. and Bone, R.A., 1981, Denudation, thermal evolution and preservation of blueschists: Jour. Geology, v. 89, p.601-613.
- Draper, G. and Lewis, J.F. 1982, Petrology, deformation and tectonic significance of the Amina Schists, north Dominican Republic: Transactions 9th Caribbean Geological Conference, Santo Domingo, 1980, p. 53-64.

- Wadge, G., Draper, G. and Robinson, E. 1982, Gravity anomalies in the Blue Mountains, eastern Jamaica: Transactions 9th Caribbean Geological Conference, Santo Domingo, 1980, p. 467-474.
- Wadge, G., Draper, G. and Lewis, J.F., 1984, Ophiolites of the northern Caribbean: A reappraisal of their roles in the evolution the Caribbean plate boundary. p. 367-380 in Gass, I.G., Lippard, S.J., and Shelton, J.W. (eds.) Ophiolites and Oceanic Lithosphere, Geol.Soc. London, Special Publication no., 13, London.
- Draper, G., 1984, A simple device to aid plotting of pi diagrams in structural geology: Journal of Geological Education, v. 32, p. 184-185.
- Draper, G. 1985, Geology and hydrocarbon prospects of Jamaica: discussion: American Assoc. of Petroleum Geologist Bulletin, v. 69, p.1028-1029.
- Mann, P., Draper, G. and Burke, K., 1985, Neotectonics of a strike-slip restraining bend system, Jamaica: in Biddle, K.T. and Christie-Blick, N. (eds.) Strike-Slip Deformation, Basin Formation and Sedimentation, SEPM Spec Publication 37, p.211-226.
- Draper, G. 1986, Blueschists and associated rocks in eastern Jamaica and their significance for Cretaceous plate margin development in the northern Caribbean: Geol. Soc. America Bulletin, v.87, p. 48-60.
- Draper, G. 1987, Petrology of the metamorphic rocks of eastern Jamaica: in Ahmad, R. (ed.) Proceedings of a workshop on the status of Jamaican geology, Special Issue Jour. Geol. Soc. Jamaica. 342pp, p. 120-150.
- Draper, G. 1987, A revised tectonic model for the evolution of Jamaica: .in Ahmad, R. (ed.) Proceedings of a workshop on the status of Jamaican geology, Special Issue Jour. Geol. Soc. Jamaica. 342pp, p. 151-169.
- Draper, G. and Nagle, F. 1989, Geological setting and characteristics of blueschist and eclogite bearing melanges in northern Hispaniola: Transactions 11th Caribbean Conference, Barbados, July 1986, p.33:1-33:9
- Draper, G. and Lewis, J.F., 1989, Petrology and structural development of the Duarte complex, Central Dominican Republic: a preliminary account and some tectonic implications. in Transactions 10th Caribbean Geological Conference, Cartagena, Colombia, (Aug. 1983), p.103-112.
- Draper, G. and Dengo, G., 1990, History of geological investigation in the Caribbean: Decade of North American Geology, v. H: The Caribbean, Geol. Soc. America, p.1-14
- Lewis, J.F. and Draper, G., 1990, Geological and tectonic evolution of the northern Caribbean margin: Decade of North American Geology, v. H: The Caribbean, Geol. Soc America p. 77-140
- Draper, G. and Bartel, J.M., 1990, A note on the relative timing of cleavage formation and magmatism in the Cretaceous rocks of St. Croix, U.S.V.I.: *in* Larue, D.K. and Draper, G., (eds) Transactions of the 12th Caribbean Geological Conference. St. Croix: Miami Geological Society, Miami, p. 314-318.
- Mann, P., Draper, G. and Lewis, J.F., 1991, An overview of the geologic and tectonic evolution of Hispaniola: in Mann, P., Draper, and Lewis, J.F. (eds.), Geological and tectonic development of the North American-Caribbean plate boundary in Hispaniola, Geol Soc America, Special Paper 262
- Draper, G. and Lewis, J.F., 1991 Metamorphic belts of central Hispaniola: in Mann, P., Draper, and Lewis, J.F. (eds.), Geological and tectonic development of the North American-Caribbean plate boundary in Hispaniola, Geol. Soc. America, Special paper 262, p. 29-45
- Draper, G. and Nagle, F., 1991, Geology, structure and tectonic development of the Rio San Juan Complex, northern Dominican Republic: in Mann, P., Draper, and Lewis, J.F. (eds.), Geological and tectonic development of the North American-Caribbean plate boundary in Hispaniola, Geol. Soc America, Special Paper 262, p. 77-95.
- Pindell, J. and Draper, G., 1991, Geologic development of the Puerto Plata region, northern Dominican Republic: in Mann, P., Draper, and Lewis, J.F. (eds.), Geological and tectonic development of the North American-Caribbean plate boundary in Hispaniola, Geol Soc America, Special Paper 262, p. 97-114

- De Zoeten, R. Draper, G. and Mann, P. (compilers), 1991, Geologic map of the northern Dominican Republic (1:150,000): in Mann, P., Draper, and Lewis, J.F. (eds.), Geological and tectonic development of the North American-Caribbean plate boundary in Hispaniola, Geol. Soc of America, Special paper 262, Plate 1
- Draper, G. and Lewis, J.F. (compilers), 1991, Geologic map of the central Dominican Republic (1:150,000): in Mann, P., Draper, and Lewis, J.F. (eds.), Geological and tectonic development of the North American-Caribbean plate boundary in Hispaniola, Geol. Soc, America, Special paper 262, Plates 2a and b
- Clement, B.M., Connor, C. B. and Draper, G., 1993, Paleomagnetic estimate of the emplacement temperature of the long runout Nevado de Colima volcanic debris avalanche deposit: Earth and Planetary Science Letters, v.120, p.499-510.
- Draper, G., Jackson, T.A., and Donovan, S.K., 1994, Geologic provinces of the Caribbean Region: *in* Donovan S.K. and Jackson, T. A. (eds.) Caribbean Geology: an introduction, University of the West Indies Publishers Association/University of the West Indies Press, Kingston, Jamaica, p. 3-12
- Draper, G. and Barros, J.A., 1994, Cuba: *in* Donovan S.K. and Jackson, T. A. (eds.) Caribbean Geology: an introduction, University of the West Indies Publishers Association/University of the West Indies Press, Kingston, Jamaica, p. 65-86.
- Draper, G., Mann, P. and Lewis, J. F., 1994, Hispaniola: *in* Donovan S.K. and Jackson, T. A. (eds.) Caribbean Geology: an introduction, University of the West Indies Publishers Association/University of the West Indies Press, Kingston, Jamaica, p. 129-150
- Lang, H.R., Barros, J.A., Cabral-Cano, E., Draper, G., Harrison, C.G.A., Jansma, P.E., and Johnson, C.A., 1996, Terrane deletion in northern Guerrero state: Geofísica Internacional, v. 35, p. 349-359
- Draper, G. Guitierrez, G. and Lewis, J.F., 1996, Thrust emplacement of the Hispaniola peridotite belt: orogenic expression of the mid Cretaceous Caribbean arc polarity reversal?: Geology, v. 24, (12), 1143-1146.
- Draper, G and Gutierrez-Alonso, G., 1997, La estructura del cinturón de Maimón en la isla de Hispaniola y sus implicaciones geodinámica: Revista de la Sociedad de España, v. 10(3-4), p. 79-97
- Draper, G. and Wadge, G., 1998 The geology of Jamaican caves: *in* Fincham, A.G., Jamaica Underground (2nd edition). University of the West Indies Press, p. 29-33
- Draper, G. and Fincham, A.G., 1998, Karst Geomorphology in Jamaica *in* Fincham, A.G., Jamaica Underground (2nd edition). University of the West Indies Press, p. 23-28.
- Draper, G. 1998, Geological and Tectonic evolution of Jamaica: *in* Fifteenth Caribbean Geological Conference: Articles, Field Guides & Abstracts, Contributions to Geology, U.W.I. Mona, no.3, p. 3-9
- Jackson, T. A., Draper, G., Robinson, E., and Fleugeman, R.H., 1998, Field Guide to the geology of eastern Jamaica: *in* Fifteenth Caribbean Geological Conference, Articles, Field Guides & Abstracts, Contributions to Geology, U.W.I. Mona, no.3, p. 10-21
- Draper, G. Guitierrez, G. and Lewis, J.F., 1998, Thrust deformation in the Maimon Belt and Los Ranchos Formations, central Hispaniola: evidence for Early Cretaceous ophiolite emplacement: in Ali, W., Paul, A. and Young-On, V. (eds.) Transactions, 14th Caribbean Geological Conference, Port of Spain, Trinidad and Tobago, July 1995, p.215- 229
- Ramirez, M.I., Draper, G., Smith, L., Hornafius, J.S., Munthe, J. and Gordon, M., 1998, Neotectonic structure and paleostress in south central Hispaniola: in Ali, W., Paul, A. and Young-On, V. (eds.) Transactions, 3rd Geological Conference of the Geological Society of Trinidad and Tobago/14th Caribbean Geological Conference, Port of Spain, Trinidad & Tobago, July 16-21, 1995, p. 214
- Lewis, J.F., Hames, W. E. and Draper, G., 1999, Late Jurassic Ocean Crust and Upper Cretaceous Caribbean Plateau picritic basalts exposed in the Duarte Complex, Hispaniola: A discussion, Journal of Geology, v. 107, p. 505-508.

- Martín-Fernandez, M. and Draper G. 1999, Mapa Geológico de escala 1:50.000: **Hatillo (6172-I)** y memoria explicativa. Proyecto de Cartografía Geotemática de la República Dominicana. Dirección General de Minería, Santo Domingo, República Dominicana.
- Martín-Fernandez, M., Gomez –Sainz-de-Aja and Draper G. 1999, Mapa Geológico de escala 1:50.000: **Bonao (6172-IV)** y memoria explicativa. Proyecto de Cartografía Geotemática de la República Dominicana. Dirección General de Minería, Santo Domingo, República Dominicana.
- Hernaiz-Huerta, P. P. and Draper G., 2000, Mapa Geológico de escala 1:50.000: **Villa Altigracia (6172-II)** y memoria explicativa. Proyecto de Cartografía Geotemática de la República Dominicana. Dirección General de Minería, Santo Domingo, República Dominicana.
- Cabral-Cano, E., Draper, G., Lang, H.R., and Harrison, G.G.A., 2000, Constraining the Late Mesozoic and Early Tertiary tectonic evolution of southern Mexico: structure and deformation history of the Tierra Caliente region, *Journal of Geology*, v. 108, p. 427-446.
- Abbott, R.N., Draper, G., and Keshav, S., 2001 Garnet peridotite found in the Greater Antilles. *EOS (Transactions American Geophysical Union)*, v. 82, no. 35, p. 381, 385, 388
- Donovan, S.K. and Draper, G., 2001, Further fossil cephalopods from Jamaica, *Paläontologische Zeitschrift*, v. 75, p. 17-21
- Lewis, J.F., Escuder-Viruete, J. Hernaiz-Huerta, P.P., Gutierrez-Alonso, G., Draper, G. Pérez-Estaún, A., 2002, Subdivisión geoquímica del arco isla circum-Caribeño, Cordillera Central Dominicana: implicaciones para la formación, acreción y crecimiento cortical en un ambiente intraoceanico. *Acta Geologica Hispanica* v. 37, p. 81-122.
- Escuder-Viruete, J., Hernaiz-Huerta, P.P., Draper, G., Gutierrez-Alonso, G., Lewis, J.F., Pérez-Estaún, A., 2002, El metamorfismo y estructura de la Formación Maimón y los complejos Duarte y Rio Verde, Cordillera Central Dominicana: implicaciones en la estructura y la evolución del primitivo arco isla Caribeño. *Acta Geologica Hispanica* v. 37, p. 123-162.
- Abbott R. N., and Draper, G. (2002) Retrograded eclogite in the Cuaba amphibolite of the Rio San Juan Complex, northern Hispaniola. *in* Jackson, T.A., (ed.) *Caribbean Geology into the Third Millennium: Transactions of the 15th Caribbean Geological Conference*, Kingston, Jamaica, June 1998, (ISBN 976-640-100-4), p. 97-108
- Finn, M.D., Gross, M.R., Eyal, Y. and Draper, G., 2003, Kinematics of throughgoing fracture in jointed rocks, *Tectonophysics*, v. 376, p. 151-166.
- Escuder-Viruete, J., Lewis, J., Hernaiz-Huerta, P.P., and Draper, G., 2004, Diversidad geoquímica en las unidades tectónicas mesozoicas de afinidad oceánica de la Cordillera Central, República Dominicana, *Boletín Geológico y Minero (Spain)*, v. 115(1), p. 117-136.
- Abbott, R. N., Draper, G., and Keshav. 2005. UHP magma paragenesis, garnet peridotite, and garnet pyroxenite: an example from the Dominican Republic, *International Geology Review* v. 47, p. 233-247.
reprinted in Liou, J.G., and Cloos, C., eds., *Phase Relations, High-Pressure Terranes, P-T-ometry, and Plate Pushing*. *Geol. Soc. Amer., Int. Book Series*, v. 9, (667 pp.) p. 653-657.
- Draper, G and Mitchell, S, 2005, *Transactions of the 16th Caribbean Geological Conference*, Barbados 16th-21st July 2002, *Caribbean Journal of Earth Science*, (Kingston, Jamaica), v. 39. 11p
- Abbott, R.N. Draper, G., and Keshav., S., 2005 UHP metamorphism in garnet peridotite, Cuaba unit, Rio San Juan Complex, Dominican Republic. *in* Draper, G and Mitchell, S, (eds), *Transactions of the 16th Caribbean Geological Conference*, Barbados 16th-21st July 2002, *Caribbean Journal of Earth Science*, (Jamaica), v. 39. p. 13-20.
- Pindell, J., Kennan, L., Maresch, W.V., Stanek, K-P, Draper, G., and Higgs, R., 2005, Plate-kinematics and crustal dynamics of circum-Caribbean arc-continent interactions and tectonic controls on basin development *in* Avé Lallemant, H. G. and Sissons V. B., eds. *Proto-Caribbean margins*, in *Caribbean - South American plate interactions*, Venezuela, Geological Society of America Special paper 394, p. 7-52 doi 10.1130/2005.2394(01).
- Owen, C., Pirie, D and Draper, G., 2006(sic), *Earth Lab: exploring the earth sciences (2nd ed.)* Brookes/Cole, 564pp. (ISBN 0-495-01328-5)

- Pindell, J., Kennan, L., Stanek, K-P., Maresch, W.V., and Draper, G., 2006, Foundations of Gulf of Mexico and the Caribbean evolution: eight controversies resolved: *Geologica Acta* (Barcelona), v.4(1-2), p. 303-341.
- Lewis, J.F., Draper, G., Proenza, J.A., Espaillet, J. and Jimenez, J., (2006) Ophiolite related ultramafic rocks (serpentinites) in the Caribbean region: a review of their occurrence, composition, origin, emplacement and Ni-laterite soils formation. *Geologica Acta* (Barcelona), v. 4(1-2), p. 237-263.
- Abbott, R.N., Draper, G. and Broman, B. N., 2006, P-T path for ultra high-pressure garnet ultramafic rocks of the Cuaba Gneiss, Rio San Juan complex, Dominican Republic, *International Geology Review*, v. 48, p. 778-790.
- Abbott, R. N., Broman, B. N. and Draper, G., 2007, UHP magma paregenesis revisited: Olivine Clinopyroxenite and Garnet-bearing ultramafic rocks from the Cuaba Gneiss, Rio San Juan Complex, Dominican Republic *International Geology Review*, v. 49, p. 572-586
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- Bone, R.A. and Draper, G., 2007, Optical anisotropy of the human cornea determined with a polarizing microscope, *Applied Optics*, v. 49(no. 34) p. 8351-8357.

Items in press

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