

UNIVERSITY OF MIAMI
Curriculum Vitae

1. **Date:** St Valentine's Day 2004

PERSONAL

2. **Name:** Christopher George Alick Harrison
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5. **Home Address:** 3851 Braganza Avenue, Miami FL 33133
6. **Academic Rank:** Professor
7. **Department:** Marine Geology and Geophysics
8. **Secondary or Joint Appointment:** None
9. **Citizenship:** United States
10. **Visa Type:**

HIGHER EDUCATION

11. **Institutional**
- | | | |
|------|------------------------|----------------------|
| 1960 | B.A. (Natural Science) | Cambridge University |
| 1964 | M.A. | Cambridge University |
| 1966 | Ph.D. (Geophysics) | Cambridge University |
| 1989 | Sc.D. | Cambridge University |
12. **Non-Institutional:** None
13. **Certification, Licensure:** None

EXPERIENCE

14. **Academic**
- | | |
|--------------|---|
| 1961-1967 | Postgraduate Research Geophysicist, Scripps Institution of Oceanography |
| 1967-1968 | Assistant Professor, University of Miami |
| 1968-1974 | Associate Professor, University of Miami |
| 1974-Present | Professor, University of Miami |
| 1976-1983 | Chairman, University of Miami, RSMAS/MGG |
| 1977-1978 | Visiting Professor, Oregon State University |

1986-1989 Interim Dean, University of Miami, RSMAS

15. **Non-Academic:** None

16. **Military**

1955-1957 British Army (2nd Lieutenant) Corps of Royal Engineers

1957-1961 Territorial Army (Lieutenant)

PUBLICATIONS

17. **Books and Monographs Published**

1993 **C.G.A. Harrison** and many other authors, "The National Geomagnetic Initiative," National Academy Press, 246 pp., Washington, D.C.

1983 **C.G.A. Harrison**, with many other authors, "The Lithosphere", Report of a workshop, National Academy Press, Washington D.C.

1981 **C.G.A. Harrison**, Editor, Marine Geophysics, Plate Tectonics, and the Earth's Core, The Bullard Volume, special edition of the Journal of Geophysical Research, 86, 11509-11699.

1979 M. Talwani, **C.G.A. Harrison**, D.E. Hayes (eds.). Deep drilling results in the Atlantic Ocean: Ocean crust. Maurice Ewing Series 2, AGU. Washington, D.C., 431 pp.

1964 **C.G.A. Harrison**, The magnetism of deep sea sediments, Ph.D. thesis, Cambridge University, 173 pp.

18. **Juried or Refereed Journal Articles and Exhibits**

2004 **C.G.A. Harrison**, An equivalent source model for the geomagnetic field, AGU Monograph 145, "Timescales of the Paleomagnetic Field", eds. J. E. T. Channell, D. V. Kent, W. Lowrie, and J. G. Meert, pp 299-314.

2002 **C.G.A. Harrison**, Power spectrum of sea level change over fifteen decades of frequency, *Geochem. Geophys. Geosyst.*, 3(1), doi:10.1029/2002/GC003000, 2002.

Swart, P. K., S. Thorrold, B. Rosenheim, A. Eisenhauer, **C. G. A. Harrison**, M. Grammer, and C. Latkoczy, Intra-annual variation in the stable oxygen and carbon and trace element composition of sclerosponges, *Paleoceanography*, 17, doi:10.1029/2000PA000622, 2002.

2001 **C.G.A. Harrison**, Resource Letter: G-1: Geomagnetism, American Journal of Physics, 89, 534-542.

- C.G.A. Harrison**, Plate Tectonics, in "Encyclopedia of Global Change", ed. Andrew S. Goudie, Oxford University Press, pp. 251-259.
- 2000 **C.G.A. Harrison**, Questions about magnetic lineations in the ancient crust of Mars, Science, 287, 547a.
- E. Norabuena, T.H. Dixon, S. Stein, **C.G.A. Harrison**, Decelerating Nazca-South America and Nazca-Pacific plate motions, Geophys. Res. Lett., 26, 3405-3408.
- C.G.A. Harrison**, What factors control mechanical erosion rates?, Int J. Earth Sci., 88, 752-763.
- E. Cabral-Cano, H.R. Lang, G. Draper, and **C.G.A. Harrison**, Structure and deformation history of the Tierra Caliente region, southern Mexico, J. Geol., 108, 427-446.
- E. Cabral-Cano, H. R. Lang, and **C.G.A. Harrison**, Stratigraphic assessment of the Arcelia-Teloloapan area, southern Mexico: implications for southern Mexico's post-Neocomian tectonic evolution, Journal of South American Earth Sciences, 13, 443-457.
- 1999 A. Mao, **C.G.A. Harrison**, and T. Dixon, Noise in GPS time series, J. Geophys. Res., 104, 2797-2816.
- C.G.A. Harrison**, What are the limits to ocean volume change?, Geophys. Res. Lett., 26, 1913-1916.
- E. O. Norabuena, T. H. Dixon, S. Stein and **C. G. A. Harrison**, Decelerating Nazca-South America and Nazca-Pacific plate motions, Geophys. Res. Lett., 26, 3405-3408.
- E. Herrero-Bervera, G.P.L. Walker, **C.G.A. Harrison**, L. Kristjansson and J. Guerrero, Detailed paleomagnetic study of two polarity transitions recorded in eastern Iceland, Physics of the Earth and Planetary Interiors, 115, .119-135,
- 1998 J.B. Meyers, B. R. Rosendahl, **C.G.A. Harrison**, and Zan-Dong Ding, Deep-imaging seismic and gravity results from the offshore Cameroon Volcanic Line, and speculation of African hotlines, Tectonophysics, 284, 31-63.
- C.G.A. Harrison**, The hypsography of the ocean floor, Physics & Chemistry of the Earth, 23, 761-774.
- 1996 E. Herrero Bervera, G.P.L. Walker, **C.G.A. Harrison** and J.C.G. Garcia, Reversal records from eastern Iceland lava flows and their geodynamic significance, Surveys in Geophysics, 17, 197-206.
- M. Baltuck, J. Dickey, T. Dixon and **C.G.A. Harrison**, New approaches raise questions about future sea level rise, EØS, 77, No. 40, pps 385, 388.

- Harold R. Lang, Jose Antonio Barros, Enrique Cabral-Cano, Grenville Draper, **C.G.A. Harrison**, Pamela E. Jansma and Christopher A. Johnson, Terrane deletion in northern Guerrero state, *Geofisica Internacional*, 35, 349-359.
- 1995 **C.G.A. Harrison**, Secular variation of the Earth's magnetic field, *J. Geomag. Geoelect.*, 47, 131-147.
- 1994 **C.G.A. Harrison**, Rates of Continental Erosion and Mountain Building, *Geologisches Rundschau*, 83, 431-447.
- C.G.A. Harrison**, An alternative picture of the geomagnetic field, *Journal of Geomagnetism and Geoelectricity*, 46, 127-142.
- 1993 S. Robaudo and **C.G.A. Harrison**, Plate tectonics from SLR and VLBI global data sets, in AGU Monograph, Geodynamics series, 23, 51-71.
- C.G.A. Harrison** and J.R. Southam, Reply to "Comments on 'magnetic Field Gradients and their uses in the Study of the Earth's Magnetic Fields'", *Journal of Geomagnetism and Geoelectricity*, 44, 371-372.
- Stefano Robaudo and **C.G.A. Harrison**, Measurements of strain at plate boundaries using space based geodetic techniques, *Geophysical Research Letters* 20, 1811-1814.
- 1992 A.L. Wooldridge, **C.G. A. Harrison**, M.A. Tivey, P.A. Rona and H. Schouten, Magnetic modeling near selected areas of hydrothermal activity on the mid-Atlantic and Gorda ridges, *J. Geophys. Res.*, 97, 10911-10926.
- C. Johnson, H. Lang, E. Cabral-Cano, **C. Harrison** and J. Barros, Preliminary assessment of stratigraphy and structure, San Lucas region, Michoacan and Guerrero States, SW Mexico: Reply to discussion by O. Monod, J. Ramirez, M. Faure, H. Sabanero and M.-F. Campa, *The Mountain Geologist*, 29, 3-4.
- 1991 **C.G.A. Harrison** and John Southam, Magnetic field gradients and their uses in the study of the Earth's magnetic field, *Journal of Geomagnetism and Geoelectricity*, 43, 585-599.
- C.A. Johnson, H.R. Lang, E. Cabral-Cano, **C.G.A. Harrison** and J.A. Barros, Preliminary assessment of stratigraphy and structure, San Lucas region, Michoacan and Guerrero States, SW Mexico, *The Mountain Geologist*, 28, 121-135, 1991.
- I.I. Mueller, S. Zerbini, **C.G.A. Harrison** et al., *The Interdisciplinary Role of Space Geodesy*, Lecture Notes, EØS 22, Springer-Verlag, Berlin, 300 pp.
- C.G.A. Harrison** The role of the American Geophysical Union in Geoscience education, *J. Geol. Ed.*, 39, 92-94.

- 1990 **C.G.A. Harrison**, Long term eustasy and epeirogeny in continents, in "Sea-Level Change", ed. Roger Revelle, National Academy of Sciences, Washington DC, pp141-158.
- C.G.A. Harrison** and Q. Huang. Rates of change of the Earth's magnetic field measured by recent analyses, *Journal of Geomagnetism and Geoelectricity*, 42, 897-928.
- C.A. Johnson and **C.G.A. Harrison**. Neotectonics in Central Mexico, *Physics of the Earth and Planetary Interiors*, 64, 187-210.
- C.G.A. Harrison** and Nancy Douglas. Satellite Laser Ranging constraints on plate motion, *Tectonics*, 9, 935-952.
- A.L. Wooldridge, S.E. Haggarty, P.A. Rona, and **C.G.A. Harrison**, Magnetic properties and opaque mineralogy of rocks from selected seafloor hydrothermal sites at oceanic ridges, *JGR*, 95, 12351-12374.
- 1989 N. Wittpenn, **C.G.A. Harrison**, and D. Handschumacher. Inversions of magnetic anomalies in the South Atlantic and quantification of observed variations in magnetization solutions, *JGR*, 94, 15463-15480.
- C. A. Johnson and **C.G.A. Harrison**. Thematic Mapper studies of volcanism and tectonism in Central Mexico, Proc. of 27th Plenary Meeting of COSPAR, *Advances in Space Research*, 9, 85-88.
- C.A. Johnson and **C.G.A. Harrison**, Tectonics and volcanism in Central Mexico: a Landsat Thematic Mapper perspective, *Remote Sensing of Environment*, 28, 273-286.
- K.M. Wilson, M.J. Rosol, W.W. Hay and **C.G.A. Harrison**. New Model for the tectonic history of West Antarctica: a reappraisal of the fit of Antarctica with Gondwana, *Eclogae Geologicae Helveticae*, 82, 1-35.
- 1988 **C.G.A. Harrison**, Eustasy and epeirogeny of continents on time scales between about 1 and 100 Myr., *Paleoceanography*, 3, 671-684.
- E. Bonatti, **C.G.A. Harrison**. Eruption styles of basalt in oceanic spreading ridges and seamounts: effect of magma temperature and viscosity, *JGR*, 93, 2967-2980.
- 1987 **C.G.A. Harrison**, The Crustal Field, chapter in a book "Geomagnetism", Volume 1, edited by J.A. Jacobs, Academic Press, 513-610.
- C.G.A. Harrison**, Marine magnetic anomalies - What causes the stripes?, *Annual Review of Earth and Planetary Sciences*, 15, 505-543.
- 1986 **C.G.A. Harrison**, H.M. Carle and K.L. Hayling, Interpretation of satellite elevation magnetic anomalies, *Journ. Geophys. Res.*, 91, 3633-3650.

- K.L. Hayling and **C.G.A. Harrison**. Magnetization modelling in the North and Equatorial Atlantic Ocean using MAGSAT data, *Journal of Geophysical Research*, 91, 12,423-12,443.
- 1985 **C.G.A. Harrison**, G.W. Brass, K. Miskell-Gerhardt, and E. Saltzman, Reply to 'Comment on "Continental Hypsography" by Harrison et al.' by G. Bond, *Tectonics*, 4, 257-262.
- K.J. Miskell, G.W. Brass and **C.G.A. Harrison**, Global patterns in opal deposition from the late Cretaceous to the late Miocene. *Bull. Am. Assoc. Petr. Geol.*, 69, 996-1012.
- C.G.A. Harrison**, Modelling fluctuations in water depth during the Cretaceous, in "Fine grained Deposits and Biofacies of the Cretaceous Western Interior Seaway: Evidence of Cyclic Sedimentary Processes", eds., E. Kauffman, F. Zelt, and L. Pratt, *Soc. Econ. Paleont. Mineralog.*, 11-15.
- 1983 Z. Ben-Avraham, **C.G.A. Harrison**, E. Klein and Y. Shoham. Seamount magnetism in the Ionian Sea, Eastern Mediterranean, *Marine Geophysical Researches*, 5, 389-404.
- C.G.A. Harrison**, K.J. Miskell, G.W. Brass, E.S. Saltzman and J.L. Sloan II. Continental Hypsography, *Tectonics*, 2, 357-377.
- C.G.A. Harrison**, Magnetic anomalies, *Reviews of Geophysics and Space Physics*, 21, 634-643.
- J.M. Whitman, **C.G.A. Harrison** and G.W. Brass. Tectonic evolution of the Pacific Ocean basin since 74 Ma. *Tectonophysics*, 99, 241-249.
- B.J. Katz, **C.G.A. Harrison** and E.H. Man. Geothermal and other effects on amino acid racemization in selected Deep-Sea Drilling Project Cores, *Organic Geochemistry*, 5, 151-156.
- C.G.A. Harrison** and T. Lindh, Mantle plume and hotspots. Reply, *Nature*, 304, 664.
- 1982 **C.G.A. Harrison** and T. Lindh. A polar wandering curve for North America during the Mesozoic and Cenozoic. *JGR*, 87: 1903-1920.
- H.M. Carle and **C.G.A. Harrison**. A problem in representing the core magnetic field of the Earth using spherical harmonics. *GRL*, 9: 265-268.
- G.W. Brass and **C.G.A. Harrison**. On the possibility of plate tectonics on Venus. *Icarus*, 49: 86-96.
- C.G.A. Harrison** and H.M. Carle. Modelling the core magnetic field of the Earth. *Phil. Trans. Roy. Soc.*, A306, 179-191.

- C.G.A. Harrison** and T. Lindh, Comparison between the hot spot and geomagnetic field reference frames, *Nature*, 300: 251-252.
- 1981 **C.G.A. Harrison**, G.W. Brass, E. Saltzman, J. Sloan, J. Southam and J.M. Whitman. Sea level variations, global sedimentation rates and the hypsographic curve, *EPSL*, 54: 1-16.
- E.J. Barron, **C.G.A. Harrison**, J.L. Sloan II, and W.W. Hay. Paleogeography, 180 million years ago to the present, *Eclogae Geologicae Helvetiae*, 74: 443-470.
- C.G.A. Harrison** and E. Bonatti. The oceanic lithosphere. *The Sea*, Vol. 7. C. Emiliani (ed.) 21-48.
- C.G.A. Harrison**, Magnetization of the oceanic crust. *The Sea*, Vol. 7. C. Emiliani (ed.), 219-239.
- C.G.A. Harrison**, H.M. Carle. Intermediate wavelength magnetic anomalies over ocean basins. *JGR*, 86: 11585-11599.
- 1980 **C.G.A. Harrison**, Secular variation and excursions of the Earth's magnetic field. *J. Geophys. Res.*, 85: 3511-3522.
- C.G.A. Harrison**, Analysis of magnetic vector in a single rock specimen. *Geophys. Journ. Roy. Ast. Soc.*, 60, 489-492.
- E.J. Barron, J.L. Sloan III, **C.G.A. Harrison**. Potential significance of land-sea distribution and surface albedo variations as a climatic forcing factor: 180 M.Y. to the present. *Palaeogeography, Palaeoclimatology and Palaeoecology*, 30: 17-40.
- C.G.A. Harrison**, Spreading rates and heat flow. *Geophys. Res. Letters*, 7: 1045-1048.
- C.G.A. Harrison**, E.J. Barron, W.W. Hay. reply to "Comment on 'Mesozoic evolution' of the Antarctic Peninsula and the southern Andes." *Geology*, 8: 262-263.
- M.D. Fuller and **C.G.A. Harrison**. Foreward to the Norman Watkins Memorial, *JGR*, 85: 3507-3510.
- E.J. Barron and **C.G.A. Harrison**. An analysis of past plate motions: the South Atlantic and Indian Oceans, in "Mechanisms of Continental Drift and Plate Tectonics," ed. P. Davies and S.K. Runcorn, Academic Press, 89-109.
- 1979 **C.G.A. Harrison**, N.D. Watkins. Comparison of the offset dipole and zonal nondipole geomagnetic field models using Icelandic paleomagnetic data. *JGR*, 84: 627-635.
- C.G.A. Harrison**, E.J. Barron, W.W. Hay. Mesozoic evolution of the Antarctic Peninsula and the southern Andes. *Geology*, 7: 374-378.

- B.J. Katz, **C.G.A. Harrison**, E.H. Man. The effects of the geothermal gradient on amino acid racemization. Earth and Plan. Sci. Letters, 44: 279-286.
- C.G.A. Harrison**, I. McDougall, N.D. Watkins. A geomagnetic field reversal time scale back to 13 million years before present. Earth and Plan. Sci. Letters, 42: 143-152.
- E.J. Barron, **C.G.A. Harrison**. Reconstructions of the Campbell Plateau and the Lord Howe Rise. EPSL, 45: 87-92.
- 1978 E.J. Barron, **C.G.A. Harrison**, W.W. Hay. A revised reconstruction of the southern continents. EØS, 54: 436-449.
- 1977 B. McGregor, **C.G.A. Harrison**, J.W. Lavelle, P. Rona. Magnetic anomaly pattern on mid-Atlantic Ridge crest at 26 degrees North. Journ. Geophys. Res., 82, 231-238.
- C.G.A. Harrison** and L. Stieltjes. Faulting within the median valley. Tectonophysics, 38: 137-144.
- C.G.A. Harrison**, L. Stieltjes, E. Tarasiewicz. Paleomagnetism of young extrusives from the Afar Rift. EPSL, 34: 273-283.
- E. Bonatti, **C.G.A. Harrison**, D.E. Fisher, J. Honnorez, J.G. Schilling, J.J. Stipp, M. Zentilli. Easter volcanic chain (SE Pacific): A mantle hotline. JGR, 82: 2457-2478.
- C.G.A. Harrison**, N.D. Watkins. Shallow inclinations of remanent magnetism in Deep Sea Drilling Project igneous cores: geomagnetic field behaviour or post-emplacement effects? JGR, 82: 4869-4877.
- 1976 E. Richardson, **C.G.A. Harrison**. Opening of the Red Sea with two poles of rotation. Earth and Plan. Sci. Letters, 30: 135-142.
- E. Bonatti and **C.G.A. Harrison**. Hot lines in the Earth's mantle. Nature, 263: 402-404.
- C.G.A. Harrison**, C. Rooth. "The dynamics of flowing lavas." Volcanoes and Tectonosphere. Edited by H. Aoki and S. Iizuka, Tokai University Press, 103-113.
- C.G.A. Harrison**, Magnetization of the oceanic crust. Geophysical Journ. Roy. Ast. Soc., 47: 257-283.
- E.S. Richardson, **C.G.A. Harrison**. Opening of the Red Sea with two poles of rotation - Reply. Earth and Plan. Sci. Letters, 33: 173-175.
- 1975 **C.G.A. Harrison**, E. Bonatti, L. Stieltjes. "Tectonism of axial valleys in spreading centers: Data from the Afar Rift." Afar Depression of Ethiopia, Proceedings of an international symposium on the Afar region and related rift problems, held in Bad Bergzabern, F.R. Germany, 16 April 1974. Edited by A. Pilger and A. Rosler, Vol. I, 178-198.

- C.G.A. Harrison**, E. Ramirez. Areal coverage of spurious reversals of the Earth's magnetic field. Journ. of Geomagnetism and Geoelectricity, 27: 139-151.
- 1974 **C.G.A. Harrison**, The paleomagnetic record from deep-sea sediment cores. Earth Science Reviews, 10: 1-36.
- C.G.A. Harrison**, Tectonics of mid-ocean ridges. Tectonophysics, 22: 301-310.
- C.G.A. Harrison**, M.M. Ball. Geophysical observations on an exposed seamount in the Afar Depression. Bull. Volcanologique, 38: 26-43.
- C.G.A. Harrison**, J.M. Prospero. Reversals of the earth's magnetic field and climatic changes. Nature, 250: 563-565.
- C.G.A. Harrison**, R. Jarrard, V. Vacquier, R. Larson. Paleomagnetism of Cretaceous Pacific seamounts. Geophys. Journ. Roy. Ast. Soc., 42: 859-882.
- 1973 **C.G.A. Harrison**, Reply to "Comments on 'Poles of rotation' by C.G.A. Harrison," by X. LePichon. Earth and Plan. Sci. Letters, 19: 242-245.
- C.G.A. Harrison**, M.M. Ball. The role of fracture zones in sea-floor spreading. JGR, 78: 7776-7785.
- L.K. Fink, Jr., **C.G.A. Harrison**. Magnetization and alteration of class I titanomagnetites in pillow lavas. EØS 54: 1024-1025.
- 1972 **C.G.A. Harrison**, Poles of rotation. Earth and Plan. Sci. Letters, 14: 31-38.
- C.G.A. Harrison**, J.G. Sclater. Origin of the disturbed magnetic zone between the Murray and Molokai fracture zones. Earth and Plan. Sci. Letters, 14: 419-427.
- C.G.A. Harrison**. Comments on a paper by Watkins and Richardson: "Intrusives, extrusives and linear magnetic anomalies." Geophys. Jour. Roy. Ast. Soc., 28: 187-189.
- 1971 **C.G.A. Harrison**, A seamount with a non-magnetic top. Geophysics, 36: 349-357.
- J.G. Sclater, **C.G.A. Harrison**. The elevation of mid-ocean ridges and the evolution of the Southwest Indian Ridge. Nature, 230: 175-177.
- M.M. Ball, **C.G.A. Harrison**, P. Supko, W. Bock, N. Maloney. Marine geophysical measurements on the south boundary of the Caribbean. The Geological Society of American Memoir, 130: 1-33.

- 1970 J.G. Sclater, J.D. Mudie, **C.G.A. Harrison**. Detailed geophysical studies on the Hawaiian Arch near 24 degrees 25'W, 157 degrees 40'W. A closely spaced suite of heat-flow stations. JGR, 75: 333-348.
- J. Francheteau, **C.G.A. Harrison**, J.G. Sclater, M.L. Richards. Magnetization of Pacific seamounts: A preliminary polar curve for the northeastern Pacific, JGR, 75: 2035-2061.
- C. Emiliani, **C.G.A. Harrison**, M. Swanson. Earthquakes and nuclear detonations: Reply. Science, 167: 1013-1014.
- F.B. van den Akker, **C.G.A. Harrison**, J.D. Mudie. Even more on the direct interpretation of magnetic anomalies. Earth and Plan. Sci. Letters, 9: 405-406.
- M.M. Ball, **C.G.A. Harrison**. Crustal plates in the Central Atlantic. Science, 167: 1128-1129.
- C.G.A. Harrison**, Magnetization of Atlantic seamounts. Bull. Mar. Sci., 20: 560-574.
- 1969 **C.G.A. Harrison**, What is the true rate of reversals of the Earth's magnetic field? Earth and Plan. Sci. Letters, 6: 186-188.
- M.M. Ball, **C.G.A. Harrison**, P.R. Supko. Atlantic opening and the origin of the Caribbean. Nature, 223: 167-168.
- C. Emiliani, **C.G.A. Harrison**, M. Swanson. Underground nuclear explosions and the control of earthquakes. Science, 165: 1255-1256.
- M.M. Ball, **C.G.A. Harrison**, R.J. Hurley, C.E. Leist. Bathymetry in the vicinity of the northeastern scarp of the Great Bahama Bank and Exuma Sound. Bull. Mar. Sci., 19: 243-252.
- M.M. Ball, **C.G.A. Harrison**, P.R. Supko, W.D. Bock, N.J. Maloney. Fallamiento normal a lo largo del limite meridional del Mar Caribe, Bahia de Unare, Venezuela. Boletin Informativo Asociacion Venezolana de Geologia, Minería y Petróleo, 12(2): 22-40.
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- 1965 **C.G.A. Harrison**, M.N.A. Peterson. A magnetic mineral from the Indian Ocean. American Mineralogist, 50: 704-712.
- 1964 **C.G.A. Harrison**, B.M. Funnell, Relationship of palaeomagnetic reversals and micropalaeontology in two late Cenozoic cores from the Pacific Ocean. Nature, 204: 566.
- Other Works and Publications**
- 2003 **C.G.A. Harrison**, A brief history of the Ocean Drilling Program, ODP Highlights, edited by Kasey White and Elspeth Urquhart, JOI Inc., Washington, D. C., 32 pp, 2003.
- 1997 **C.G.A. Harrison**, T. E. Dixon, “Don’t build the ark yet”, Op Ed piece in the Miami Herald, 5 May.
- C.G.A. Harrison**, T.E. Dixon, “Global warming: It’s time for knowledge, not panic” Op Ed piece in the Tallahassee Democrat, 11 Aug.
- C.G.A. Harrison**, T.E. Dixon, “Heard that oceans are rising? Don’t rush to build another ark”, Op Ed piece in The Stuart News, 7 Aug.
- 1995 T.H. Dixon, **C.G.A. Harrison** and others, “SAR interferometry and surface change detection,” report of a workshop held in Boulder, Colorado, 3-4 February 1994. University of Miami, 97 pp.
- 1994 **C.G.A. Harrison**, IUGG 1995 to be held in Boulder, Editorial, EØS, 75, #12, March 22, pp. 137, 139.

- H. Moritz, D. Chapman and **C.G.A. Harrison**, A letter to the geophysical community, *EØS*, 75, 489.
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- 1993 **C.G.A. Harrison**, Eileen Buttle, Lynne Talley, Jonathan Sharp and Michael Sissenwine, Committee of Visitors Review of NSF Ocean Sciences Research Division, 21 pp, 21 figs., 5 February 1993
- C.G.A. Harrison**, Rises and Falls, review of "Phanerozoic Sea-Level Change", by Anthony Hallam, *Nature*, 365, 220.
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- C.G.A.Harrison**, Testing the Vine-Matthews hypothesis. Seminar presented to the School of Oceanography, Oregon State University, 3 February.
- C.G.A.Harrison**, Magnetic anomalies over ocean basins and their importance to geophysics. Colloquium presented to the Physics Department, University of Miami, Mar. 27.
- C.G.A.Harrison** and H.M.Carle. Observations of long wavelength magnetic anomalies over ocean basins using MAGSAT data. 26th International Geological Congress, Paris, 7-17 July. Abstracts, p. 822. Invited Paper.
- C.G.A.Harrison**, G.W. Brass, E. Saltzman, J. Sloan, J. Southam and J.M. Whitman. Hypsography and sea level in the Neozoic. EØS, 62: 1124.
- 1979 **C.G.A.Harrison**, Accuracy of individual paleomagnetic pole positions. EØS, 60: 244.
- B.J. Katz, **C.G.A.Harrison** and E.H. Man. Racemization anomalies in selected deep-sea drilling project samples, EØS, 60: 383.
- E.J. Barron, **C.G.A.Harrison**, J.M. Whitman. Plate tectonic reconstruction and sea floor spreading model of the Indian Ocean. NATO Advanced Study Institute. The Mechanism of Continental Drift and Plate Tectonics, Newcastle-upon-Tyne, March 27-April 10, 1979.
- C.G.A.Harrison**, Plate Tectonics and Climate Change. Seminar presented to the Department of Geophysical Sciences, University of Chicago, June 1.
- B.J. Katz, **C.G.A.Harrison**, E.H. Man, E.W. Baker, J.W. Louda. Potential organic indicators of diagenesis and early catagenesis. Geol. Soc. Am. Annual Meeting, San Diego, November.
- C.G.A.Harrison** and H.M.Carle. Core and crustal fields in oceanic basins and the origin of intermediate wavelength magnetic fields. IUGG Meeting, Canberra, Australia, December 1979.

- E.J. Barron, **C.G.A.Harrison**, J.L. Sloan, S.L. Thompson, J.M. Whitman. The nature of the climatic evolution of the Southern Hemisphere. IUGG Meeting, Canberra, Australia, December 1979.
- J.M. Whitman, E.J. Barron, **C.G.A.Harrison**. Sediment distribution in the Indian and South Atlantic Oceans since 140 my bp. Workshop on Interpretative Modelling of Deep-Ocean Sediments and their Physical Properties, Bay St. Louis, Miss. September 5-7.
- C.G.A.Harrison**, Plate tectonics and climate. Seminar presented to the Department of Geology, Arizona State University, 30 November.
- 1978 I. McDougall, **C.G.A.Harrison**, N.D. Watkins. Radiometric dates on the reversal time scale back to 13 million years ago. AGU Meeting, San Francisco, 1977. EØS, 59: 242.
- E.J.Barron and **C.G.A.Harrison**. A theoretical geological and bathymetric map of the Indian Ocean. EØS, 59: 387.
- C.G.A.Harrison**, Secular variation and excursions of the Earth's magnetic field. AGU Meeting, Miami Beach (Invited paper). EØS, 59: 808.
- C.G.A.Harrison**, Long wavelength magnetic anomalies over ocean basins. Penrose Conference on the Magnetic Structure of the Ocean Basins, Cambridge, September 1978. Invited paper.
- C.G.A.Harrison**, Sea floor spreading: an episodic phenomenon? International Symposium on Interaction of Marine Geodesy and Ocean Dynamics, October 1978. Invited paper.
- C.G.A.Harrison**, Long wavelength magnetic anomalies in oceanic basins. EØS, 59: 1057.
- 1977 **C.G.A.Harrison** and N.D.Watkins. Icelandic paleomagnetic data and the displaced axial dipole model of the Earth's magnetic field. EØS, 58: 380.
- B.J. Katz, **C.G.A.Harrison**, E.H. Man. Organic geochemical evidence for oscillatory heat flow on the mid-Atlantic Ridge. EØS, 58: 514.
- E.J. Barron, **C.G.A.Harrison**, W.W. Hay. Positions of Southern continents revised. EØS, 58: 502.
- M.M. Ball, A. Chermak and **C.G.A.Harrison**. Variations in crustal magnetization across the Romanche fracture zone. EØS, 58: 378.
- E.J. Barron, **C.G.A.Harrison**, W.W. Hay. Mesozoic sea floor spreading in the Indian Ocean. 4th EGS Meeting, September, Munich. EØS, 58: 909.

- B.J. Katz, **C.G.A.Harrison**, E.H. Man. Paleoheat flow in the Mediterranean Sea. Annual Meeting of the GSA, Seattle, November.
- C.G.A.Harrison** and N.D.Watkins. Low latitude virtual geomagnetic poles from Iceland. EØS, 58: 1124.
- E.J. Barron, **C.G.A.Harrison**, W.W. Hay. Ridges, Bathymetry and Sea Floor Spreading in the Indian Ocean. EØS, 58: 1230.
- 1976 **C.G.A.Harrison**, Magnetic anomalies and magnetization of the oceanic crust. International Conference on the Nature of the Oceanic Crust, La Jolla, California, 4-6 December. EØS, 57: 405.
- C.G.A.Harrison** and E.Tarasiewicz. Paleomagnetic results from a spreading center in the Afar Depression. 1975 Fall Meeting of the AGU. EØS , 57: 147.
- C.G.A.Harrison**, Studying the Earth's magnetic field using the magnetization in sediments. 1975 Fall Meeting of the AGU (Invited paper). EØS, 57: 160.
- N.D.Watkins and **C.G.A.Harrison**. More pessimism about prospects for deriving obviously useful paleomagnetic information from IPOD basalt cores. 3rd EGS Meeting, Amsterdam. EØS , 57: 654.
- C.G.A.Harrison** and N.D.Watkins. Magnetic anomalies and Layer 2A. 3rd EGS Meeting, Amsterdam. EØS, 57: 654.
- C.G.A.Harrison** and E.Tarasiewicz. Paleomagnetic results from a spreading center in the Afar Depression. 3rd EGS Meeting, Amsterdam. EØS, 57: 654.
- E.S. Richardson, M.M. Ball, **C.G.A.Harrison**, W. Bock, F. Nagle, A. Chermak, D. Varchol. The Old Bahama Channel: Tectonic boundary between the Bahamas and Greater Antilles. Annual Meeting of the GSA, Denver, November.
- 1975 **C.G.A.Harrison**, Depth estimate of sea-floor spreading anomalies from their power spectra. IUGG Meeting, Grenoble, August-September.
- C.G.A.Harrison** and E.Ramirez. Modelling local reversals of Earth's magnetic field. IUGG Meeting, Grenoble, August-September.
- C.G.A.Harrison**, E. Bonatti, L. Stieltjes. Faulting necessary to maintain the median valley as a steady state function of time. IUGG Meeting, Grenoble, August-September (Invited paper).
- C.G.A.Harrison**, Paleomagnetic events. Miami Conference on Isotope Climatology and Paleoclimatology, 16-22 November (Invited paper).

- C.G.A.Harrison**, Magnetization of the oceanic crust. Seminar presented to the Department of Geology, University of Minnesota, Minneapolis, 20 November.
- 1974 **C.G.A.Harrison**, L.Stieltjes and E.Bonatti. Topographic comparison between a portion of Afar and the mid-oceanic ridge. Afar Symposium, Bad Bergzabern, FDR, 1-6 April.
- C.G.A.Harrison**, E.Bonatti, J.Honnorez, D.E.Fisher and J.Sawlan. The Easter Island seamount chain and the non-hot spot hypothesis. EØS , 55: 300.
- M.M. Ball, **C.G.A.Harrison**, W.D.Bock, F. Nagle, G.J. Williams. Diapirs of the Old Bahama Channel. EØS, 55: 284.
- M.M. Ball, **C.G.A.Harrison**, W.D. Bock, F. Nagle, G.J. Williams, S. Gartner. Geophysical measurements of the northern boundary of the Caribbean Sea. VII Caribbean Conference, Guadeloupe, 1-15 July.
- C.G.A.Harrison**, J. Southam, E. Bonatti. Metamorphism and spreading centers. Annual Meeting of the GSA, Miami Beach, November.
- M.M. Ball, **C.G.A.Harrison**, W.D. Bock. The Caribbean. A zone of extension and shear. Annual Meeting of the GSA, Miami Beach, November.
- B.A. McGregor, **C.G.A.Harrison**, P.A. Rona. Magnetic anomalies on the ridge crest at 26 degrees North. Annual Meeting of the GSA, Miami Beach, November.
- 1973 **C.G.A.Harrison**, The paleomagnetic record for deep-sea cores. EØS, 54: 702 (Invited Paper).
- 1972 V. Vacquier, **C.G.A.Harrison**. Paleomagnetism of seamounts. EØS, 53: 351 (Invited Paper).
- Fink, L. K., Jr ., and **C.G.A. Harrison**, Paleomagnetic investigations of selected lava units on Puerto Rico, Memorias de VI Conferencia Geologica del Caribe, Margarita, Venezuela, page 379.
- 1971 M.M. Ball, B.P. Dash, **C.G.A.Harrison**, K.O. Ahmed. Refraction seismic measurements in the northeastern Bahamas. EØS, 52: 252.
- C.G.A.Harrison** and M.M.Ball. Offsets of the ridge crest and transform faults. EØS , 52: 350.
- M.M.Ball and **C.G.A.Harrison**. The interaction of fracture zone faulting and sea-floor spreading. XV General Assembly of the International Union of Geodesy and Geophysics, Moscow, 2-10 August.

- M.M.Ball and **C.G.A.Harrison**. The Caribbean Sea - A zone of north-south extension and left lateral shear. Paper presented at the VI Caribbean Geological Conference, Margarita, Venezuela, 6-12 July.
- L.K. Fink, **C.G.A.Harrison**. Paleomagnetic investigations of selected lava units on Puerto Rico. Paper presented at the VI Caribbean Geological Conference, Margarita, Venezuela, 6-12 July.
- 1969 J. Francheteau, **C.G.A.Harrison**, J.G.Sclater and M.L.Richards. Magnetization of Pacific seamounts: A preliminary polar curve for the northeastern Pacific. Transactions, American Geophysical Union, 50: 634.
- J.G. Sclater, J.D. Mudie and **C.G.A.Harrison**. A closely spaced suite of heat-flow stations on the Hawaiian Arch. Transactions, American Geophysical Union, 50: 206.
- C.G.A.Harrison**, The rate of reversals of the Earth's magnetic field. Paper presented at IASPEI/IAGA Joint Meeting, Madrid, September, 115, 119-135.
- C.G.A.Harrison**, The magnetization of seamounts: Some geological and geophysical conclusions. Paper presented at IAVCEI Symposium on "Volcanoes and Their Roots," Oxford, September.
- 1967 F.N.Spiess, J.D.Mudie, **C.G.A.Harrison**. Deep tow profiles across Mason-Raff lineations. IUGG, Switzerland.
- C.G.A.Harrison**, J.D.Mudie. Sea-floor spreading in the Pacific. IUGG, Switzerland.
- C.G.A.Harrison**, Reversals of the Earth's magnetic field and evolutionary processes. IUGG, Switzerland.
- C.G.A.Harrison**, J.D. Mudie. Sediment thickness and sea-floor spreading in the Pacific. Transactions, American Geophysical Union, 48: 133.
- 1966 **C.G.A. Harrison**, Long period variations of the Earth's magnetic field. Talk presented at the Carnegie Institute of Technology, 17 June.
- J.R. Booker, and **C.G.A. Harrison**, Magnetic properties of tektites, Trans. American Geophysical Union, 47,: 145.
- 1961 **C.G.A.Harrison**, Use of the torque magnetometer for high-field studies of susceptibility anisotropy, Conference on Paleomagnetism, Kings College, Durham, 20-22 April, 1961.
20. **Other Works Accepted for Publication:**
- C.G.A. Harrison**, The geomagnetic field and its secular variation at the core-mantle boundary, submitted to *Geochemistry, Geophysics, Geosystems*, 2004.

C.G.A. Harrison, Models of secular variation of the Earth's magnetic field, Encyclopedia of Geomagnetism, submitted.

PROFESSIONAL

21. **Funded Research**

1985-1986 JOI, Grant JPO-22 4505, \$10,411
1985-1987 ONR, Grant N0001486K0148, \$21,700
1986-1992 NASA, Grant NAG 5741, \$131,685
1984-1991 NASA, Grant NAG 5414, \$319,847
1985-1989 NASA, Grant NAS 528745, \$201,714
1987-1989 NASA, Grant NGT 70010, \$54,000
1989-1991 NASA, Grant NAGW 1678, \$95,703
1991-1992 NASA, Grant NAGW 2710, \$25,000
1992-1994 JPL, NASA Grant 959436, \$49,094
1992-2002 NASA, Grant NAG51945, \$161,000
1995-2002 NASA, Grant NAG52969, \$50,000

22. **Editorial Responsibilities**

1973-1975 Associate Editor, Journal of Geophysical Research
1978-1986 Editor, Earth and Planetary Science Letters
1978-present Associate Editor, Encyclopedia of Geophysics
Reviewer for Journal of Geophysical Research, Earth and Planetary Science Letters, Bulletin of the Geological Society of America, Geophysical Journal International, Earth Science Reviews, Geophysical Research Letters, Reviews of Geophysics and Space Physics, Geophysics, Science, Geology, Nature.
Technical Reviewer for the National Research Council.
1992 Editor, Journal of Geomagnetism & Geoelectricity.

23. **Professional and Honorary Organizations**

1968-1972 Member JOIDES panel on paleomagnetism and dating
1970-1975 Member JOIDES panel on scientific objectives of deeper penetration in oceanic crustal rocks
1974-1976 Alternate member JOIDES Planning Committee
1976-1978 Member JOIDES Planning Committee
1976-1983 Alternate member JOIDES Executive Committee
1978-1984 Member JOI Site Survey Planning Committee
1978-1982 Member JOI Ocean Crustal Dynamics Planning Committee
1975-1977 Member NSF IDOE Sea Bed Assessment Research Proposal Panel
1977-1978 Program Chairman, Geomagnetism and Paleomagnetism-American Geophysical Union Spring and Fall Meeting
1977 Member, Organizing Committee-Second Ewing Symposium
1978-1980 Chairman, American Geophysical Union-Publications Committee

1980-1984	Chairman, American Geophysical Union-Budget & Finance Committee
1980-1983	Member, Science Advisory Committee for the Ocean Margin Drilling Program
1980-1981	Member, Organizing Committee-Bullard Symposium
1980-1981	Member, Ad hoc Publications Study Committee, GSA
1981-1982	Member, COSOD Steering Committee
1982	Member, Steering Committee, U.S. Geodynamics Committee Workshop on the Lithosphere
1982	Member, U.S. Geological Survey Geomagnetism Workshop
1982-1988	Co-Chairman, Science Steering Group for the Geopotential Research Mission
1983-1985	Member, Magnetic Field Survey Working Group
1984-1986	Member, NRC panel on Sea Level Change
1984-1985	Member, U.S. Science Advisory Committee for the Ocean Drilling Project
1984-1991	Member, U.S. National Committee for the International Union of Geodesy and Geophysics
1984-	Member, Executive Committee, International Working Group on Magnetic Field Satellites
1986-1988	Meeting Chairman, American Geophysical Union
1986-1987	AGU Search Committee for editor of "Paleoceanography"
1987	Alternate Chief U.S. Delegate for IAGA to the IUGG Meeting, Vancouver, B.C., Canada
1988-1990	AGU Committee on International Participation
1986-1989	Member, JOIDES Executive Committee
1986-1989	Member, JOI Board of Governors
1988-1989	Vice President, International Oceanographic Foundation
1989	Chief U.S. Delegate to the IAGA meeting, Exeter, England
1989	Committee Member, Environment/Growth Management, Florida and the Hemisphere: Critical issues and strategies, organized by Hemispheric Policy Studies Center.
1989	Panel Co-chairman, COOLFONT Workshop to define the NASA role in crustal dynamics and geology for the next decade.
1988-1990	Program committee co-chairman, AGU Western Pacific Geophysics Meeting, Kanazawa, Japan, Aug 21-25.
1990	Member, Working Group on Solid Earth Processes, NAS/NRC Committee on Global Change.
1990-1992	Chairman, American Geophysical Union Committee on Education and Human Resources.
1991	Member, NSF Advisory Committee for Ocean Sciences (ACOS)
1991	Nominating Committee for the International Association of Geomagnetism and Aeronomy
1991	Chief US Delegate to The International Association of Geomagnetism and Aeronomy, Vienna, Austria August 11 - 23.
1991-1996	Chairman, US National Committee for the International Union of Geodesy and Geophysics

1996-1999	Vice-chairman, US National Committee for the International Union of Geodesy and Geophysics
1991-1992	American Institute of Physics, Career Planning and Placement Division Advisory Committee.
1991-1992	Chairman, Committee of Visitors, Ocean Sciences Division of NSF.
1991-1993	Member, Executive Committee for NSF ACOS
1992-1998	General Secretary, American Geophysical Union
1991-1992	Panel Chair, National Geomagnetism Initiative, US Geodynamics Committee
1992	Member, Long Range Planning Committee, AGU
1996-2002	Member, American Institute of Physics Governing Board
1997-1998	Non voting representative, AIP Executive Committee
1997	Member, NASA panel on Solid Earth and Natural Hazards
1998-2002	Member, AIP Executive Committee
2001-2003	Chair JOIDES Executive Committee
2003-2005	Treasurer IODP Management International Inc.
2002-2004	President-Elect of GP section, AGU.
2004-2006	President of GP section, AGU.
2004	Member of 15 year review committee for the Statewide Institute of Geophysics and Planetary Physics, University of California (October 11-14).

24. Honors and Awards

1953-1955	Senior Scholar, Marlborough College
1957-1960	Scholar, Peterhouse, Cambridge
1968	Fellow, American Association for the Advancement of Science
1983	NASA Group Achievement Award, MAGSAT Scientific Investigation Team
1986	Fellow, American Geophysical Union
1987	Omicron Delta Kappa (ODK)
1990	Contributor to a special issue of "Remote Sensing of Environment" (April/May/June 1989) which won an award for "Best Single Issue of a Journal" at the Fourteenth Annual Professional Book Awards, Sponsored by the Association of American Publishers
1992	Best Poster in Session award, Geological Society of America meeting (see 1992 abstracts)

Meeting Sessions Chaired

1974	American Geophysical Union, Washington. Plate Tectonics of the Pacific.
1974	Geological Society of America, Miami Beach. Geophysics.
1976	International Symposium on the Structure and Tectonics of the Eastern Mediterranean, the Jordan Rift Valley and Red Sea, Haifa.

- 1977 American Geophysical Union, San Francisco. Potpourri: Paleomagnetism, Piezo Magnetism and Induction.
- 1978 American Geophysical Union, Miami Beach. Geomagnetic Field Fluctuations and their Possible Effect on Climate and Other Phenomena: in memory of Norman Watkins.
- 1978 Penrose Conference on the Magnetic Structure of the Ocean Basins, Cambridge. Magnetic Anomaly Inversion.
- 1979 Climatic Variability in the Oceans. International Symposium held in honor of the dedication of the CIMAS Building, RSMAS, November 15-16.
- 1981 Symposium I7, IAGA meeting, Edinburgh, June.
- 1984 American Geophysical Union, Cincinnati. MAGSAT - Theory and Interpretation.
- 1985 American Geophysical Union, Baltimore. Secular Variation and the Geomagnetic Field.
- 1985 IAGA. Symposium 1.9. Prague, August. Analytical methods for paleomagnetism.
- 1985 Geological Society of America Annual Meeting, Orlando. General Geology Session.
- 1986 Open Session 2. Magnetism. European Geophysical Society, Kiel, FRG, 21-30 August.
- 1987 American Geophysical Union, San Francisco. Geochemical Cycles and Fluxes.
- 1988 American Geophysical Union, Baltimore. Frontiers of Geophysics.
- 1990 Western Pacific Geophysics Meeting, Kanazawa, Frontiers of Geophysics.
- 1990 Western Pacific Geophysics Meeting, Kanazawa, Geomagnetism and Magnetic Induction.
- 1991 IAGA/IUGG Meeting, Vienna, Austria. Separation of Core, Lithosphere, and External Magnetic Fields (co-convenor)
- 1992 Western Pacific Geophysics Meeting. Hong Kong, Tectonic Theory and Measurements.
- 1992 Fall Annual Meeting, American Geophysical Union, San Francisco. Hurricane I and Hurricane II.
- 1998 Fall Annual Meeting, American Geophysical Union, San Francisco. Paleomagnetic Objectives for Post-2003 Ocean Drilling.
- 2004 Sixth Santa Fe Conference on Rock Magnetism, Looking Ahead (Education and the Future of Paleo- and Rock-magnetism).

25. **Post-Doctoral Fellowships:** Rob Harris

26. **Other Professional Activities:** None

TEACHING

27. **Teaching Awards Received:** None

28. **Teaching Specialities** (courses taught):

MSC 101	Survey of Oceanography 1998-2004
MGG 504	Introduction to Marine Geology (Core Course) 1980-1990
MGG 514	Geophysics
MGG 699	Advanced Geophysics
MGG 686	Plate Tectonics 1990-2004
GSC 540	Geophysics 2000 (in Department of Geological Sciences)

I have also offered several reading courses in advanced geophysics, when enough students have wished to take such a course. I participated in an advanced course, "Modern Concepts in Plate Tectonics" organised by W.W. Hay in 1974.

29. **Thesis and Dissertation Advising**

M.Sc. Thesis Committees

E. Ramirez*	S. Takahashi
A. Chermak	K. Miskell*
C. Paull*	T. Lindh
N. Engstrom	S. Williams
E. Richardson	W. Corso
J. Whitman*	D. Introne*
F. Idris	K. Hayling*
J. Sloan	L. Burton
M. Carle*	D. Gerhardt
B. Schuckman	C. Johnson*
J.M.L. Dominguez	G. Eberhart
A. Barros*	N. Wittpenn*
Q. Huang*	V. Credle
K. Kurkjy	N. Douglas*
M. Lara	S. Robaudo*
C. Beaverson	Z. Tang
L. Barber	T. Poiriez

M.A. Committees

D. Perrine

Ph.D. Dissertation Committees

D. Gomberg	B. Katz*
E. Richardson*	E. Barron*
B. McGregor*	R.P. Reid
C. Schubert*	J. Alt
K. Miskell	K. Hayling*
C. Evans	P. Bullwinkel
C. Johnson*	A. Fisher

A. Barros*
 A. Wooldridge*
 D. Goodman
 S. Robaudo*
 H. Groshel-Becker
 J. Meyers
 R. Seme-Abomo+
 Ailin Mao

Q. Huang*
 E. Cabral*
 M. Trevorrow
 M. Lara
 T. Nye
 G. Iturrino
 E. Kasyi+

*Chairman
 +Current Student

SERVICE

30. **University Committee and Administrative Responsibilities**

	Divisional advisory committee
1977	Vice-Chairman, RSMAS School Council
1976-1983	RSMAS Dean's advisory committee
1974-1976	Chairman, RSMAS Marine Operations Committee
1967-1974	RSMAS Computer Committee, (Chair)
1968-1972	University Computer Committee
1969-1970	University Committee on Computer Sciences - Courses and Programs
1979,1981,1982	Rosenstiel Award Committee (Chairman)
1983-1986	Faculty Senate
1985-1986	Provost Search Committee
1984-1986	Graduate Council Degree Subcommittee
1989	Ad Hoc Committee, U.M. Study Abroad Program
1988	U.M. Rhodes/Fulbright Campus Committee
1990-1993	Vice-Chairman, RSMAS School Council
1991-1993	Faculty Senate
1993-1997	Faculty Senate Committee on Rank, Salary and Conditions of Employment
1996-1999	Vice-Chairman, RSMAS School Council
1995-1998	Graduate Council
1999-2001	Tenure Review Board
1999-2002	Faculty Senate, 2nd Vice Chair
2002-2005	Faculty Senate

31. **Community Activities**

1990-1993	Guardian Ad Litem
1990-1998, 2004	Judge at Dade County Science Fair
1999-2001, 2003, 2004	National Ocean Science Bowl Moderator