

JEREMY BRADFORD COOK JACKSON

Scripps Institution of Oceanography (SIO), University of California at San Diego,
La Jolla, California 92037, U.S.A. Tel. (858) 822-2432; jbcj@ucsd.edu

and

Smithsonian Tropical Research Institute (STRI), Box 2072, Balboa, Republic of Panamá. Tel.
(507) 212-8076; jacksonj@ancon.si.edu

Education

Ph.D. Geology, Yale University, 1971
M.Phil. Geology, Yale University, 1970
M.A. Geology, The George Washington University, 1968
A.B. Zoology, The George Washington University, 1965

Professional Positions

2007- Director, Center for Marine Biodiversity and Conservation, SIO
2006- SENIOR SCIENTIST, EMERITUS, STRI
1998-2003 Director, Geosciences Research Division, SIO
1996- William Emerson and Mary B. Ritter Memorial Professor of Oceanography,
SIO
1996-1997 Visiting Scholar, Naturhistorisches Museum, Basel, Switzerland
1991-2001 Director, Center for Tropical Paleoecology and Archeology, STRI
1990-1991 Visiting Scholar, Wolfson College, Oxford University
1985-1988 Marine Coordinator, STRI
1984- Staff Scientist/Senior Scientist, STRI
1981-1987 Research Associate, Department of Invertebrates, American Museum
of Natural History, New York
1984 Visiting Professor, Fundación Científica Los Roques, Venezuela
1979-1981 Visiting Professor, Marine Biological Laboratory, Woods Hole
1976-1982 Visiting Professor, Discovery Bay Marine Laboratory, University of the West
Indies, Jamaica
1973-1984 Collaborator/Research Associate, Department of Paleobiology, National
Museum of Natural History, Smithsonian Institution, Washington, D.C.
1971-1985 Assistant, Associate and Full Professor, Department of Earth and
Planetary Sciences, The Johns Hopkins University, Baltimore
1967 Instructor, Department of Geology, The George Washington University,
Washington, D.C.

Professional Activities

2002- Member, National Board, World Wildlife Fund United States
2002- Member, Steering Committee, Center for Marine Biodiversity and
Conservation, SIO
2002- Member, Steering Committee, Interdisciplinary Graduate Education and
Research Training (IGERT) Program, SIO
2002- Science Director, Shifting Baselines Media Campaign
(www.shiftingbaselines.org)

- 2002- Member, National Research Council Committee on the Geologic Record of Biosphere Dynamics
- 2002 Member, Secretary's Search Committee for a new Undersecretary for Science and Director of the National Museum of Natural History
- 2001-2002 Member, Smithsonian Institution Science Commission
- 2001- Advisory Board, SIO Center for Marine Biodiversity and Conservation
- 1999-2002 Chief Scientist, Working Group, *Long-term Ecological Records of Marine Environments, Populations and Communities*, National Center for Ecological Analysis and Synthesis (NCEAS)
- 1999 NSF Workshop, *Geobiology and the Earth Sciences in the Next Decade*
- 1998 NSF Workshop, *Ocean Ecology: Understanding and Vision for Research*
- 1998 Co-Organizer, Panama Paleontology Project/Neogene Marine Biota of Tropical America Workshop, Basel, Switzerland
- 1997-2000 Science Advisory Board, National Center for Ecological Analysis and Synthesis (NCEAS)
- 1997-1998 Co-Chair, 11th Symposium of the International Bryozoology Association, held in Panama 1998
- 1997 Co-Chair and Organizer, Paleontological Society Symposium, "*Process from Pattern in the Fossil Record*"
- 1997 Committee on Nominations, PEW Charitable Trust for Marine Conservation
- 1995-1999 Board of Editors, *Ecological Applications*
- 1993-1994 Member, National Research Council Committee on Marine Biodiversity
- 1993 Member, National Research Council Committee on the Formation of the National Biological Survey
- 1995-1998 Project Director, bilingual travelling exhibit *Nuestros Arrecifes – Unidos por el Caribe/Our Reefs – Caribbean Connections*
- 1993-1996 Co-Organizer, International Coral Reef Symposium theme session *Long-Term Ecological Dynamics of Coral Reef Ecosystems over Broad Spatial Scales: The Past and the Present*
- 1992-1996 Co-Chair, 8th International Coral Reef Symposium, held in Panama 1996
- 1989-1992 Associate Editor, *Evolution*
- 1988-1992 Editorial Board, *Journal Experimental Marine Biology and Ecology* 1988-1990 Associate Editor, *Paleobiology*
- 1986- Scientific Coordinator, Panama Paleontology Project
- 1986-1994 Chief Scientist, Oil Spill Project, STRI
- 1982-1984 Advisory Editor, *Coral Reefs*
- 1981 Co-Organizer, Symposium on Population Biology and Evolution of Clonal Organisms, held at Yale University
- 1979-1982 Board of Editors, *Ecology and Ecological Monographs*
- 1978 Organizer, Coral Reef Ecology Workshop, held at the National Museum of Natural History
- 1976 Co-Organizer, 4th Annual Benthic Ecology Meeting, held at Johns Hopkins University
- 1976 National Science Foundation Panel, Biological Oceanography

Honors and Awards

- 2007 Edward T. LaRoe Memorial Award for Outstanding Contributions to Conservation Biology of the Society for Conservation Biology
- 2007 International Award for Reserach in Ecology and conservation Biology of the BBVA Foundation, Madrid
- 2006 Honorary Doctor of Sceince, Pace University
- 2002 UCSD Chancellor's Award for Excellence in Science and Engineering
- 2001- Fellow, American Academy of Arts and Sciences
- 1997 Secretary's Gold Medal for Exceptional Service, Smithsonian Institution
- 1989- Fellow, American Association for the Advancement of Science

Professional Societies

American Association for the Advancement of Science, American Society of Naturalists, British Ecological Society, Ecological Society of America, Geological Society of America, International Bryozoological Association, International Society for Reef Studies, The Paleontological Society, Society for the Study of Evolution

Doctoral Students

Johns Hopkins University:

Leo W. Buss, Yale University
Ann F. Budd, University of Iowa
Terence P. Hughes, James Cook University
Leslie S. Kaufman, University of Massachusetts
Brian D. Keller, The Nature Conservancy
Scott Lidgard, The Field Museum of Natural History
Robert S. Steneck, University of Maine
Katharine Rylaarsdam
Charles M. Wahle, National Oceanographic and Atmospheric Administration

Scripps Institution of Oceanography:

J. Travis Smith
Marah Newman
Loren McClenachan
Katie Cramer
Jill Leonard-Pingel

Postdoctoral Fellows

Laurel Collins, Florida International University
Helena Fortunato, STRI
David Hughes, Dunstaffnage Marine Laboratory
Kenneth G. Johnson, The Natural History Museum, London
Ronald H. Karlson, University of Delaware
Michael Kirby, STRI
Peter Marko, University of North Carolina
Daniel J. Miller, University of Michigan Museum
Paul Morris, Paleontological Research Institute

Aaron O’Dea, STRI
John Pandolfi, University of Queensland
Jay Schneider, University of Wisconsin
Jonathan Todd, The Natural History Museum, London
Judith E. Winston, Virginia State Museum

Graduate Advisors

MA: Erle Kauffman, Martin Buzas; Ph.D: Donald Rhoads, G. Evelyn Hutchinson, A. Lee McAlester

Books

Jackson JBC, Lidgard S, & McKinney FK (eds) (2001) *Evolutionary Patterns: Growth, Form, and Tempo in the Fossil Record*. University of Chicago Press, Chicago
Herrera, A & Jackson JBC (eds) (2000) *Proceedings of the 11th International Bryozoology Association Conference*, Smithsonian Tropical Research Institute, Republic of Panama
Jackson JBC, Budd AF, & Coates AG (eds) (1996) *Evolution and Environment in Tropical America*. University of Chicago, Chicago
McKinney FK & Jackson JBC (1991) *Bryozoan Evolution* (reprint). University of Chicago Press, Chicago
McKinney FK & Jackson JBC (1988) *Bryozoan Evolution*. Unwin-Hyman, Boston
Jackson JBC, Buss LW, Cook RE (eds) (1985) *Population Biology and Evolution of Clonal Organisms*. Yale University Press, New Haven

Journal Papers

Worm B, Barbier EB, Baumont N, Duffy JE, Foke C, Halpern BS, Jackson JBC, Lotze HK, Micheli F, Palumbi SR, Sala E, Selkoe KA, Stochowicz JJ & Watson R (2006) Impacts of biodiversity loss on ocean ecosystem services. *Science* 314:787-790
McClenachan L, Jackson JBC & Newman MJH (2006) Conservation implications of historic sea turtle nesting loss. *Frontiers in Ecology and Environment* 4:290-296
Newman MJH, Paredes GA, Sala E & Jackson JBC (2006) Structure of Caribbean coral reef communities across a large gradient of fish biomass. *Ecology Letters* 9:1216-1227
Lotze HK, Lenihan HS, Bourque BJ, Bradbury RH, Cooke RG, Kay MC, Kidwell SM, Kirby MX, Peterson CH & Jackson JBC (2006) Depletion, degradation, and recovery potential of estuaries and coastal seas. *Science* 312:1806-1809
Smith JT & Jackson JBC (2005) Evolutionary divergence in the larval ecology of scallops across the Isthmus of Panama. Submitted to *Evolution*
McClenachan L, Jackson JBC, & Newman MJH (2005) Ecosystem consequences of historic range loss and decline of Caribbean marine megafauna. Submitted to *Frontiers in Ecology*
Smith JT, Jackson JBC, & Fortunato HM (2005) Diversity and abundance of tropical American scallops (Bivalvia: Pectinidae) from opposite sides of the Central American Isthmus. *The Veliger*, in press
Herrera-Cubilla A, Dick MH, Sanner J, & Jackson JBC (2005) Neogene Cupuladriidae of tropical America. I. Taxonomy of recent Cupuladria from opposite sides of the Isthmus of Panama. *Journal of Paleontology*, in press

- Jackson JBC, Ogden JC, Pandolfi JM, Baron N, Bradbury RH, Guzman HM, Hughes TP, Kappel CV, Micheli F, Possingham HP, Sala E (2005) Reassessing U. S. coral reefs. *Science* 308:1741-1742
- Eldredge N, Thompson JN, Brakefield PM, Gavrillets S, Jablonski D, Jackson JBC, Lenski RE, Lieberman BS, McPeck, MA, & Miller, W (2005) The dynamics of evolutionary stasis. *Paleobiology* 31 (Supplement S):133-145
- Pandolfi JM, Jackson JBC., Baron N, Bradbury RH, Guzman H., Hughes TP, Micheli F, Ogden J, Possingham H, Kappel CV, & Sala E (2005) Are US coral reefs on the slippery slope to slime? *Science* 307:1725-1726
- Kirby MX & Jackson JBC (2004) Response of a shallow marine suspension feeder to changing paleoproductivity in tropical America. *Geology* 32:1025-1028
- O'Dea A, Herrera-Cubilla A, Fortunato H, & Jackson JBC (2004) Life history variation in cupuladriid bryozoans from either side of the Isthmus of Panama. *Marine Ecology – Progress Series* 280:145-161
- Hughes TP, Baird AH, Bellwood DR, Connolly SR, Folke C, Grosberg R, Hoegh-Guldberg O, Jackson JBC, Kleypas J, Lough JM, Marshall P, Nystrom M, Palumbi SR, Pandolfi JM, Rosen B, & Roughgarden J (2003) Causes of coral reef degradation. Response to Aronson et al. *Science* 302:1502-1503
- Pandolfi JM, Bradbury RH, Sala E, Hughes TP, Bjorndal KA, Cooke RG, McCardle D, McClenachan L, Newman MJH, Paredes G, Warner RR, & Jackson JBC (2003) Causes of coral reef degradation. Response to Aronson et al. *Science* 302:1502-1503
- Hughes TP, Baird AH, Bellwood DR, Card M, Connolly SR, Folke C, Grosberg R, Hoegh-Guldberg O, Jackson JBC and 8 others (2003) Climate change, human impacts, and the resilience of coral reefs. *Science* 301:929-933
- Pandolfi JM, Bradbury RH, Sala E, Hughes TP, Bjorndal KA, Cooke RG, McArdle D, McClenachan L, Newman MJH, Paredes G, Warner RR, and Jackson JBC (2003) Global trajectories of the long-term decline of coral reef ecosystems. *Science* 301:955-958
- Dick MH, Herrera-Cubilla A, & Jackson, JBC (2003) Molecular phylogeny and phylogeography of free-living Bryozoa (Cupuladriidae) from both sides of the Isthmus of Panama. *Molecular Phylogenetics and Evolution* 27: 355-371
- O'Dea A & Jackson JBC (2002) Bryozoan growth mirrors contrasting seasonal regimes across the Isthmus of Panama. *Palaeogeography, Palaeoclimatology, Palaeoecology* 185:77-94.
- Todd JA, Jackson JBC, Johnson KG, Fortunato HM, Heitz A, Alvarez M & Jung P (2002) The ecology of extinction: molluscan feeding and faunal turnover in the Caribbean Neogene. *Proceedings of the Royal Society London, Ser. B* 269:571-577
- Jackson JBC & Sala E (2001) Unnatural oceans. *Scientia Marina* 65 (suppl. 2):273-281
- Jackson JBC & Johnson KG (2001) Measuring past biodiversity. *Science* 293:2401-2403
- Peterson C, Jackson J, Kirby M, Lenihan, H, Bourque, B, Bradbury R, Cooke R and Kidwell S (2001) Factors in the decline of coastal ecosystems. Response to Boesch et al. *Science* 293:1589-1591.
- Jackson JBC and 17 others (2001) Historical overfishing and the recent collapse of coastal ecosystems. *Science* 293:629-638

- Cheetham AH, Jackson JBC & Sanner J (2001) Evolutionary significance of sexual and asexual modes of propagation in Neogene species of the bryozoan *Metrarabdotos* in tropical America. *Journal of Paleontology* 75:564-577
- Marko PB & Jackson JBC (2001) Patterns of morphological diversity among and within arcid bivalve species pairs separated by the Isthmus of Panama. *Journal of Paleontology* 75:590-606
- Jackson JBC (2001) What was natural in the coastal oceans? *Proceedings of the National Academy of Sciences USA* 98:5411-5418
- Pandolfi JM & Jackson JBC (2001) Community structure of Pleistocene coral reefs of Curaçao, Netherlands Antilles. *Ecological Monographs* 71:49-67
- Jackson JBC & Johnson KG (2000) Life in the past few million years. *Paleobiology* 26 (Supplement):221-235.
- Pandolfi JM, Llewellyn G, & Jackson JBC (1999) Interpretation of ancient reef environments and its relationship to paleoecological studies of community structure: Curaçao, Netherlands Antilles, Caribbean Sea. *Coral Reefs* 18:107-122
- Jackson JBC & Cheetham AH (1999) Tempo and mode of speciation in the sea. *Trends in Ecology and Evolution* 14:72-77.
- Jackson JBC, Todd JA, Fortunato H, & Jung P (1999) Diversity and assemblages of Neogene Caribbean Mollusca of Lower Central America. *Bulletins of American Paleontology* 357:193-230.
- Cheetham AH, Jackson JBC, Sanner J & Ventocilla Y (1999) Neogene cheilostome Bryozoa of Tropical America: Comparison and contrast between the Central American Isthmus (Panama, Costa Rica) and the north-central Caribbean (Dominican Republic). *Bulletins of American Paleontology* 357:159-192.
- Jackson JBC (1998) Reply to Munro. *Coral Reefs* 17:193-194
- D'Croz L, Jackson JBC & Best, MR (1998) Siliciclastic-carbonate transitions along shelf transects through the Cayos Cochinos Archipelago, Honduras. *Revista Biología Tropical* 46:57-66
- Jackson JBC (1997) Reefs since Columbus. *Coral Reefs* 16:S23-S32
- Herrera A, Jackson JBC, Hughes DJ, Jara J & Ramos H (1996) Life-history variation in three coexisting cheilostome bryozoan species of the genus *Stylopoma* in Panamá. *Marine Biology* 126:461-469
- Collins LS, Coates AG, Jackson JBC & Obando JA (1995) Timing and rates of emergence of the Limon and Bocas del Toro Basins: Caribbean effects of Cocos Ridge subduction? *Geological Society of America Special Paper* 295:263-289
- Cheetham AH, Jackson JBC & Hayek LA (1995) Quantitative genetics of bryozoan phenotypic evolution. III. Phenotypic plasticity and the maintenance of genetic variation. *Evolution* 49:290-296
- Jackson JBC & Cheetham AH (1994) Phylogeny reconstruction and the tempo and mode of speciation in cheilostome Bryozoa. *Paleobiology* 20:407-423
- Knowlton N & Jackson JBC (1994) Taxonomy and coral reef ecology: a response to Sale. *Trends in Ecology and Evolution* 9:398
- Knowlton N & Jackson JBC (1994) New taxonomy and niche partitioning on coral reefs: jack of all trades or master of some? *Trends in Ecology and Evolution* 9:7-9

- Cheetham AH, Jackson JBC & Hayek LA (1994) Quantitative genetics of bryozoan phenotypic evolution. II. Analysis of selection and random change in fossil species using reconstructed genetic parameters. *Evolution* 48:360-375
- Guzman HM, Burns KA & Jackson JBC (1994) Injury, regeneration and growth of Caribbean reef corals after a major oil spill in Panama. *Marine Ecology Progress Series* 105:231-241
- Jackson JBC (1994) Constancy and change of life in the sea. *Philosophical Transactions of the Royal Society B* 344:55-60
- Jackson JBC (1994) Community unity? *Science* 264:1412-1413
- Jackson JBC, Jung P, Coates AG, & Collins LS (1993) Diversity and extinction of tropical American mollusks and emergence of the Isthmus of Panama. *Science* 260:1624-1626
- Cheetham AH, Jackson JBC & Hayek LA (1993) Quantitative genetics of bryozoan phenotypic evolution. I. Rate tests for random change versus selection in differentiation of living species. *Evolution* 47:1526-1538.
- Herrera A & Jackson JBC (1992) Environmental versus taxonomic variation in lophophore morphology of Panamanian cheilostome bryozoans. *Marine Biology* 112:99-106
- Coates AG, Jackson JBC, Collins LS, Cronin TM, Dowsett HJ, Bybell LM, Jung P & Obando JA (1992) Closure of the Isthmus of Panama: the near-shore marine record of Costa Rica and western Panama. *Geological Society of America Bulletin* 104:814-828
- Jackson JBC (1992) Pleistocene perspectives on coral reef community structure. *American Zoologist* 32:719-731
- Hughes DJ & Jackson JBC (1992) Distribution and abundance of cheilostome bryozoans on the Caribbean reefs of central Panama. *Bulletin of Marine Science* 51:443-465
- Jackson JBC & Cheetham AH (1991) Bryozoan morphological and genetic correspondence: what does it prove? *Science* 251:319
- Jackson JBC (1991) Adaptation and diversity of reef corals. *BioScience* 41:475-482
- Guzmán HM, Jackson JBC & Weil EM (1991) Ecological effects of a major oil spill on Panamanian subtidal reef corals. *Coral Reefs* 10:1-12
- Jackson JBC & Cheetham AH (1990) Can paleontologists study evolution at the species level? A test using cheilostome Bryozoa. *Science* 248:579-583
- Hughes DJ & Jackson JBC (1990) Does ecological stability promote complexity of form? The distribution of bryozoan polymorphism as a test of hypotheses. *Evolution* 44:889-905
- Jackson JBC & 17 others (1989) Ecological effects of a major oil spill on Panamanian coastal marine communities. *Science* 243:37-44
- Lidgard S & Jackson JBC (1989) Growth in encrusting cheilostome bryozoans. I. Evolutionary trends. *Paleobiology* 16:255-282
- Jackson JBC & Kaufmann KW 1987 *Diadema antillarum* was not a keystone predator in cryptic reef environments. *Science* 235:687-689
- Coates AG & Jackson JBC 1987 Clonal growth, algal symbiosis, and reef formation by corals. *Paleobiology* 13:363-378
- Jackson JBC & Coates AG (1986) Life cycles and evolution of clonal (modular) animals. *Philosophical Transactions of the Royal Society B* 313:7-22
- Jackson JBC (1986) Dispersal and distribution of clonal and aclonal invertebrates. *Bulletin of Marine Science* 39:588-606

- Jackson JBC & Hughes TP (1985) Adaptive strategies of coral reef invertebrates. *American Scientist* 73:265-274.
- Hughes TP, Keller BD, Jackson JBC & Boyle MJ (1985) Mass mortality of the echinoid *Diadema antillarum* Philippi in Jamaica. *Bulletin of Marine Science* 36:377-384
- Hughes TP & Jackson JBC (1985) Population dynamics and life histories of foliaceous corals. *Ecological Monographs* 55:141-166
- Winston JE & Jackson JBC (1984) Ecology of cryptic coral reef communities. IV. Community development and life histories of cheilostome Bryozoa. *Journal of Experimental Marine Biology and Ecology* 76:1-21
- Jackson JBC (1984) Ecology of cryptic coral reef communities. III. Abundance and aggregation of encrusting organisms with particular reference to cheilostome Bryozoa. *Journal of Experimental Marine Biology and Ecology* 75:37-57
- Palumbi SR & Jackson JBC (1983) Aging in modular organisms: ecology of zooid senescence in *Steginoporella* sp. *Biological Bulletin* 164:267-278
- Palumbi SR & Jackson JBC (1982) Ecology of cryptic coral reef communities. II. Recovery from small disturbance events by encrusting Bryozoa: the influence of "host" species and lesion size. *Journal of Experimental Marine Biology and Ecology* 64:103-115
- Jackson JBC & Winston JE (1982) Ecology of cryptic coral reef communities. I. Distribution and abundance of major groups of encrusting organisms. *Journal of Experimental Marine Biology and Ecology* 57:135-147
- Woodley JD, Chornesky, Clifford PA, Jackson JBC & 16 others (1981) Hurricane Allen's impact on Jamaican coral reefs. *Science* 214:749-755
- Karlson RH & Jackson JBC (1981) Competitive networks and community structure: a simulation study. *Ecology* 62:670-678
- Buss LW & Jackson JBC (1981) Planktonic food availability and suspension feeder abundance: evidence of in situ depletion. *Journal of Experimental Marine Biology and Ecology* 49:151-161
- Jackson JBC (1981) Interspecific competition and species distributions: the ghosts of theories and data past. *American Zoologist* 21:889-901
- Hughes TP & Jackson JBC (1980) Do corals lie about their age? Some demographic consequences of partial mortality, fission and fusion. *Science* 209:713-715
- Woodin SA & Jackson JBC (1979) Interphyletic competition among marine benthos. *American Zoologist* 19:1029-1043
- Buss LW & Jackson JBC (1979) Competitive networks: non-transitive competitive relationships in cryptic coral reef environments. *American Naturalist* 113:223-234
- Jackson JBC (1979) Overgrowth competition between encrusting cheilostome ectoprocts in a Jamaican cryptic reef environment. *Journal of Animal Ecology* 48:805-823
- Jackson JBC (1977) Competition on marine hard substrata: the adaptive significance of solitary and colonial strategies. *American Naturalist* 111:743-767
- Jackson JBC & Buss LW (1975) Allelopathy and spatial competition among coral reef invertebrates. *Proceedings of the National Academy of Sciences USA* 72:5160-5163
- Jackson JBC (1974) Biogeographic consequences of eurytopy and stenotopy among marine bivalves and their evolutionary significance. *American Naturalist* 105:541-560

- Jackson JBC (1973) The ecology of molluscs of *Thalassia* communities, Jamaica, West Indies. I. Distribution, environmental physiology and ecology of common shallow water species. *Bulletin of Marine Science* 23:313-350
- Jackson JBC (1972) The ecology of molluscs of *Thalassia* communities, Jamaica, West Indies. II. Molluscan population variability along an environmental stress gradient. *Marine Biology* 14:304-337
- Jackson JBC, Goreau TF & Hartman WD (1971) Recent brachiopod-coralline sponge communities and their paleoecological significance. *Science* 173:623-625
- Jackson JBC (1969) Size-frequency distributions of two intertidal species. *Science* 163:830
- Jackson JBC (1968) Factors determining spatial and size-frequency distributions of *Gemma gemma*. *Science* 162:1510
- Jackson JBC (1968) Bivalves: Spatial and size frequency distributions of two intertidal species. *Science* 161:479-480

Papers in Edited Volumes

- Jackson JBC (2005) When ecological pyramids were upside down. In Estes JA (ed) *Whales, whaling, and ocean ecosystems*. University of California Press, Berkeley, California
- Knowlton N & Jackson JBC (2001) The ecology of coral reefs. Pages 395-422 in Bertness MD, Gaines SD & Hay ME (eds) *Marine Community Ecology*. Sinauer, Sunderland, MA
- Okamura B, Harmelin J-G, & Jackson JBC (2001) Refuges revisited: enemies versus flow and feeding as determinants of sessile animal form. Pages 61-93 in Jackson JBC, Lidgard & McKinney FK (eds), *Evolutionary Patterns*. University of Chicago Press, Chicago
- Pandolfi JM, Jackson JBC, & Geister J (2001) Geologically sudden extinction of two widespread Late Pleistocene reef corals. Pages 120-158 in Jackson JBC, Lidgard S, & McKinney FK (eds), *Evolutionary Patterns*. University of Chicago Press, Chicago
- Cheetham AH & Jackson JBC (2000) Neogene history of cheilostome Bryozoa in tropical America. Pages 1-16 in Herrera A & Jackson JBC (eds), *Proceedings of the 11th International Bryozoology Symposium*, Smithsonian Tropical Research Institute, Panama
- Jackson JBC & Herrera A (2000) Adaptation and constraint as determinants of zooid and ovicell size among encrusting cheilostome Bryozoa from opposite sides of the Isthmus of Panama. Pages 249-258 in Jackson JBC and Herrera A (eds) *Proceedings of the 11th International Bryozoology Symposium*, Smithsonian Tropical Research Institute, Panama
- Cheetham AH & Jackson JBC (1998) The fossil record of cheilostome Bryozoa in the Neogene and Quaternary of Tropical America. Pages 227-242 in Donovan SK & Paul CRC (eds) *The Adequacy of the Fossil Record*, John Wiley & Sons
- Jackson JBC & D'Croz L (1997) The ocean divided. In Coates AG (ed) *Central America: a Natural and Cultural History*. Yale University Press, New Haven
- Pandolfi JM & Jackson JBC (1997) Species membership in Pleistocene coral reef communities. *Proceedings of the 8th International Coral Reef Symposium* 1:397-404
- Jackson JBC & Budd AF (1996) Introduction and overview. Pages 1-20 in Jackson JBC, Budd AF & Coates AG (eds) *Evolution and Environment in Tropical America*, University of Chicago Press, Chicago

- Cheetham AH & Jackson JBC (1996) Speciation, extinction and the decline of erect growth in Neogene and Quaternary cheilostome bryozoans of tropical America. Pages 205-133 in Jackson JBC, Budd AF & Coates AG (eds), *Evolution and Environment in Tropical America*, University of Chicago Press, Chicago
- Jackson JBC, Jung P & Fortunato H (1996) Paciphilia revisited: transisthmian evolution of the Strombina Group (Gastropoda: Columbelloidea). Pages 234-270 in Jackson JBC, Budd AF & Coates AG (eds), *Evolution and Environment in Tropical America*, University of Chicago Press, Chicago
- Herrera A & Jackson JBC (1996) Life history variation among “dominant” encrusting cheilostomate Bryozoa. Pages 117-123 in Gordon DP, Smith AM & Grant-Mackie JA (eds) *Bryozoans in space and time*. National Institute of Water & Atmospheric Resources, Wellington, New Zealand
- Jackson JBC, Budd AF & Pandolfi JM (1996) The shifting balance of natural communities? Pages 89-122 in Jablonski D, Erwin DH & Lipps JE (eds) *Evolutionary Paleobiology*, University of Chicago Press, Chicago
- Cheetham AH & Jackson JBC (1995) Process from pattern: tests for selection versus random change in punctuated bryozoan speciation. Pages 184-207 in Erwin DH & Anstey RL (eds) *New Approaches to Speciation in the Fossil Record*. Columbia University Press, New York
- Knowlton N & Jackson JBC (1993) Inbreeding and outbreeding in marine invertebrates. Pages 200-249 in Thornhill N (ed) *The Natural History of Inbreeding and Outbreeding: Theoretical and Empirical Perspectives*. University of Chicago Press, Chicago
- Jackson JBC & McKinney FK (1990) Ecological processes and progressive macroevolution of marine clonal benthos. Pages 173-209 in Ross RM, Allmon WD (eds), *Causes of Evolution: a Paleontological Perspective*. University of Chicago Press, Chicago
- Jackson JBC (1985) Distribution and ecology of clonal and aclonal benthic invertebrates. Pages 297-355 in Jackson JBC, Buss LW & Cook RE (eds), *Population Biology and Evolution of Clonal Organisms*, Yale University Press, New Haven
- Coates AG & Jackson JBC (1985) Morphological themes in the evolution of clonal and aclonal marine invertebrates. Pages 67-106 in Jackson JBC, Buss LW & Cook RE (eds) *Population Biology and Evolution of Clonal Organisms*, Yale University Press, New Haven
- Jackson JBC & Wertheimer SP (1985) Patterns of reproduction in five common species of Jamaican reef-associated bryozoans. Pages 161-168 in Nielsen C & Larwood GP (eds) *Bryozoa: Ordovician to Recent*. Olsen & Olsen, Fredensborg, Denmark
- Jackson JBC, Winston JE & Coates AG (1985) Niche breadth, geographic range and extinction of Caribbean reef-associated cheilostome Bryozoa and Scleractinia. *Proceedings 5th International Coral Reef Congress* 4:151-158
- Jackson JBC (1983) Biological determinants of present and past sessile animal distributions. Pages 39-120 in Tevesz MJS & McCall PL (eds), *Biotic Interactions in Recent and Fossil Benthic Communities*. Plenum Press, New York
- Jackson JBC (1981) Competitive interactions between bryozoans and other organisms. *University of Tennessee Studies in Geology* 5:22-36

- Jackson JBC & Winston JE (1981) Modular growth and longevity in bryozoans. Pages 121-126 in Larwood GP & Nielsen C (eds) *Recent and Fossil Bryozoa*, Olsen & Olsen, Fredensborg, Denmark
- Jackson JBC & Palumbi SR (1979) Regeneration and partial predation in cryptic coral reef environments: preliminary experiments on sponges and ectoprocts. *Colloques Internationales Centre National de la Recherche Scientifique* 291:303-308
- Jackson JBC (1979) Morphological strategies of sessile animals. Pages 499-555 in Larwood G and Rosen BR (eds), *Biology and Systematics of Colonial Organisms*. Academic Press, London
- Jackson JBC (1977) Some relationships between habitat and biostratigraphic potential of marine benthos. Pages 65-72 in Kauffman EG & Hazel JE (eds), *Concepts and Methods of Biostratigraphy*. Dowden, Hutchinson & Ross, Stroudsburg, Pennsylvania
- Jackson JBC (1977) Habitat area, colonization and development of epibenthic community structure. Pages 349-358 in Keegan BF, Ceidigh PO & Boaden PJS (eds), *Biology of Benthic Organisms*. Pergamon, Oxford

Technical Reports

- Jackson JBC (1995) The role of science in coral reef conservation and management. Pages 5-9 in *Partnership Building and Framework Development, Final Report, The International Coral Reef Initiative Workshop*, Silliman University, Dumaguete City, Philippines
- Jackson JBC & Coates AG (1993) Biología y geología marina del Istmo de Panamá. Pages 35-41 in Heckadon S (ed), *Agenda Ecologica y Social para Bocas del Toro*. Paseo Pantera, Panamá
- Keller BD, Jackson JBC, Burns KA, Yelle-Simmons L, Guzmán HM, Duke NC, Pinzón ZS & Prada MC (1993) *Long-term assessment of the 1986 oil spill at Bahía las Minas, Panamá*. Marine Spill Response Corporation, Washington, D.C. *MSRC Technical Report Series* 93-019: 109 pages
- Keller BD & Jackson JBC (1993) *Long-Term Assessment of the Oil Spill at Bahía las Minas, Panamá, Synthesis Report, Volume I: Executive Summary*. OCS Study MMS 93-0047, U.S. Department of the Interior, Minerals management Service, Gulf of Mexico OCS Regional Office, New Orleans, Louisiana. 129 pages
- Keller BD & Jackson JBC (eds) (1993) *Long-Term Assessment of the Oil Spill at Bahía las Minas, Panamá, Synthesis Report, Volume II: Technical Report, Parts 1 and 2*. OCS study MMS 93-0048, U.S. Department of the Interior, Minerals Management Service, Gulf of Mexico OCS Regional Office, New Orleans, Louisiana. 1017 pages
- Keller BD & Jackson JBC (1991) *Long-Term Assessment of the Oil Spill at Bahía las Minas, Panamá, Interim Report; Volume I, Executive Summary*. OCS Study MMS 90-0031, U.S. Department of the Interior, Minerals Management Service, Gulf of Mexico OCS Regional Office, New Orleans, Louisiana
- Keller BD & Jackson JBC (eds) (1991) *Long-Term Assessment of the Oil Spill at Bahía las Minas, Panamá, Interim Report; Volume II, Technical Report*. OCS Study MMS 90-0031, U.S. Department of the Interior, Minerals Management Service, Gulf of Mexico OCS Regional Office, New Orleans, Louisiana. 450 pages

Cubit JD, Getter CD, Jackson JBC, Garrity SD, Caffey HM, Thompson RC, Weil E & Marshall MJ (1987) An oil spill affecting coral reefs and mangroves on the Caribbean coast of Panama. *American Petroleum Institute Publication* 4452:401-406

Book Reviews

Jackson JBC (1990) Review of: *A Functional Biology of Clonal Animals*, by R. N. Hughes. *Trends in Ecology and Evolution* 5:425-426

Jackson JBC (1988) Does ecology matter? Review of: *Evolution and Escalation*, by G. J. Vermeij. *Paleobiology* 14:307-312

Jackson JBC (1980) Animal colonies. Review of: *Advances in Bryozoology*, Larwood GP & Abbott MB (eds). *Science* 208:1255-1266

Jackson JBC (1978) Review of: *Patterns of Evolution as Illustrated by the Fossil Record*, Hallam A (ed). *Journal of Paleontology* 52:1164-1166

Films and Web Sites

Olson R & Jackson JBC (2003) Pristine (www.shiftingbaselines.org)

Olson R & Jackson JBC (2002) Rediagnosing the Oceans (www.oceanRx.org)