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### 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 E. 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  
1984-2006 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

2010- Science Advisory Board, National Oceanic and Atmospheric Administration  
(NOAA)  
2004- Science Advisory Board, Yale Institute of Biospheric Sciences  
2002-2008 National Board, World Wildlife Fund United States  
2002- Member, Steering Committee, Center for Marine Biodiversity and  
Conservation, SIO  
2002-2008 Steering Committee, Interdisciplinary Graduate Education and Research  
Training (IGERT) Program, SIO  
2002- Science Director, Shifting Baselines Media Campaign  
([www.shiftingbaselines.org](http://www.shiftingbaselines.org))  
2002-2004 National Research Council Committee on the Geologic Record of Biosphere  
Dynamics  
2002 Secretary's Search Committee for a new Undersecretary for Science and  
Director of the National Museum of Natural History

2001-2002 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, 11<sup>th</sup> 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 traveling 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

2009 Paleontological Medal, The Paleontological Society  
 2009 Peter Benchley Award, Blue Vision Summit  
 2008 Roger Torrey Peterson Medal, Harvard University  
 2007 Aquarium of the Pacific Conservation Award  
 2007 Edward T. LaRoe Memorial Award for Outstanding Contributions to Conservation Biology of the Society for Conservation Biology  
 2007 International Award for Research in Ecology and Conservation Biology of the BBVA Foundation, Madrid  
 2006 Honorary Doctor of Science, Pace University

2006	Cabrillo Aquarium Conservation Award
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, Geological Society of America, International Bryozoological Association, The Paleontological Society, Society for Conservation Biology

### **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:

Katie Cramer  
 Ayana Johnson  
 Jill Leonard-Pingel  
 Kristen Marhaver  
 Loren McClenachan, Florida State University  
 Marah Newman, Blue Ocean Foundation  
 Nadia Rubio  
 J. Travis Smith, Environmental Protection Agency  
 Tali Vardi

### **Postdoctoral Fellows**

Julia Baum, National Center for Ecological Analysis and Synthesis  
 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, San Diego Natural History Museum  
 Peter Marko, Clemson University  
 Daniel J. Miller, University of Michigan Museum  
 Camilo Mora, Dalhousie University  
 Paul Morris, Paleontological Research Institute  
 Aaron O'Dea, STRI  
 John Pandolfi, University of Queensland  
 Stuart Sandin, SIO  
 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 and Monographs**

- Jackson JBC, Alexander K & Sala E (2010) *Shifting Baselines in Fisheries: Using the Past to Manage the Future*. Island Press, in press
- Cheetham AH, Sanner J & Jackson JBC (2007) *Metrarabdotos* and related genera (Bryozoa: Cheilostomata) in the late Paleogene and Neogene of tropical America. The Paleontological Society memoir 67, Supplement to *Journal of Paleontology* 81:1-96
- Leigh EG III, Herre EA, Jackson JBC & Santos-Granero F (eds) (2007) *Ecología y evolución en los trópicos*. Editora Nova Art, Panama
- 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 11<sup>th</sup> 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

### **Peer-Reviewed Journals**

- Smith JT & Jackson JBC (2010) Evolutionary divergence in larval ecology of scallops across the Central American Isthmus. *Paleobiology*, submitted
- Jacquet, J, Pauly, D, Ainley, D, Holt S, Dayton, P & Jackson J (2010) Seafood stewardship in crisis. *Nature* 467:
- Jackson JBC (2010) The future of the oceans past. *Philosophical Transactions of the Royal Society B* 365:3765-3778.
- Hughes TP, Graham NAJ, Jackson JBC, Mumby PJ & Steneck RS. 2010. Rising to the challenge of sustaining coral reef resilience. *Trends in Ecology and Evolution*.
- Jackson JBC & McClenachan L (2009) Historical ecology for the paleontologist. *Paleontological Society Special Publications*, in press
- O'Dea A & Jackson JBC (2009) Environmental change drove macroevolution of cupuladriid bryozoans. *Proceedings of the Royal Society B* 276:3269-3634
- Carson RT, Granger CWJ, Jackson JBC & Schlenker W (2009) Fisheries management under cyclical population dynamics. *Environmental Resource Economics* 42:379-410
- Smith JT & Jackson JBC (2009) Ecology of extreme faunal turnover of tropical American scallops. *Paleobiology* 35:77-93
- Jackson JBC (2008) Evolution and extinction in the brave new ocean. *Proceedings of the National Academy of Sciences USA* 105 (Suppl. 1):11458-11465
- Guzman HM, Cipriani R, & Jackson JBC (2008). Historical decline in coral reef growth after the Panama Canal. *Ambio* 37:342-346
- Knowlton N & Jackson JBC (2008) Shifting baselines, local impacts, and climate change on coral reefs. *PloS Biology* 6:215-220

- Sandin SA, Smith JE, DeMartini EE, Dinsdale EA, Donner SD, Friedlander AM, Konotchick T, Malay M, Maragos JE, Obura D, Pantos O, Paulay G, Richie M, Rohwer F, Schroeder RE, Walsh S, Jackson JBC, Knowlton N, and Sala E. 2008. Baselines and degradation of coral reefs in the northern Line Islands. *PloS One* 3:e 1548
- Johnson KG, Jackson JBC, & Budd AF (2008) Caribbean reef development was independent of coral diversity over 28 million years. *Science* 319:1521-1523
- O'Dea, A, Jackson JBC, Taylor, PF, & Rodriguez F (2008) Modes of reproduction in recent and fossil cupuladriid bryozoans. *Palaeontology* 51:847-864
- Herrera-Cubilla A, Dick MH, Sanner J, & Jackson JBC (2008) Neogene Cupuladriidae of tropical America. II. Taxonomy of recent *Discoporella* from opposite sides of the Isthmus of Panama. *Journal of Paleontology* 82:279-298
- Worm B, Barbier EB, Beaumont N, Duffy JE, Folke C, Halpern BS, Jackson JBC, Lotze HK, Micheli F, Palumbi SR, Sala E, Selkoe KA, Stachowicz JJ & Watson R (2007) Biodiversity loss in the ocean: How bad is it? *Science* 316:1282-1284
- Worm B, Barbier EB, Beaumont N, Duffy JE, Folke C, Halpern BS, Jackson JBC, Lotze HK, Micheli F, Palumbi SR, Sala E, Selkoe KA, Stachowicz JJ & Watson R (2007) Response to comments on "Impacts of biodiversity loss on ocean ecosystem services. *Science* 316:1285-1286
- Johnson KG, Todd JA, & Jackson JBC (2007) Coral reef development drives molluscan diversity increase at local and regional scales in the late Neogene and Quaternary of the southwest Caribbean. *Paleobiology* 33:24-52
- Pandolfi JM, Jackson JBC (2007) The role of algae. *American Scientist* 95:5.
- Jackson JBC (2007) Economic incentives, social norms, and the crisis of fisheries. *Ecological Research* 22:16-18
- O'Dea A, Jackson JBC, Fortunato H, Smith JT, D'Croz L, Johnson KG & Todd J (2007) Environmental change preceded Caribbean extinction by 2 million years. *Proceedings of the National Academy of Sciences USA* 104:5501-5506
- Worm B, Barbier EB, Beaumont N, Duffy JE, Folke C, Halpern BS, Jackson JBC, Lotze HK, Micheli F, Palumbi SR, Sala E, Selkoe KA, Stachowicz 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
- Jackson JBC & Erwin DH (2006) What can we learn about ecology and evolution from the fossil record? *Trends in Ecology and Evolution* 21:322-328
- Pandolfi JM & Jackson JBC (2006) Ecological persistence interrupted in Caribbean coral reefs. *Ecology Letters* 9:818-826
- Smith JT, Jackson JBC & Fortunato HM (2006) Diversity and abundance of tropical American scallops (Bivalvia: Pectinidae) from opposite sides of the Central American Isthmus. *The Veliger* 48:26-45
- 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
- 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* 80:245-263
- 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, McCardle 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 & Jacquet J (2011) The baselines syndrome: perception, deception, and the future of our oceans. Pp. 128-141 in *Ecosystem Approaches to Fisheries: A Global Perspective*, V. Christensen & J. Maclean (eds) Cambridge University Press
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