ALLEN D. MACNEILL

Curriculum Vitae

Wednesday 24 February 2010

General Information

Address: Biology Learning Skills Center
G-24 Stimson Hall
Cornell University
Ithaca, New York 14853
Telephone: (607) 255-3357
Fax: (607) 255-0470
Email: adm6@cornell.edu

Education

Master of Arts — August 1977

Cornell University
Ithaca, New York

Field: Science Education
Concentration: Biology Education
Courses:
- Educational Psychology
- Field Natural History
- Our Physical Environment
- Science Education Methods

Bachelor of Science — June 1974

Cornell University
Ithaca, New York

Majors: Biological Sciences and Natural Resources Conservation
Minor: Environmental Analysis
Courses:
- Atmospheric Sciences
- Behavioral Ecology
- Biochemistry
- Forest Ecology
- General Ecology
- General Physics
- Genetics
- Mammalogy
- Neurobiology and Behavior
- Organic Chemistry
- Soil Science
- Vertebrate Ethology
- Vertebrate Zoology
- Wildlife Conservation

Distinctions:
- Dean's List, College of Agriculture & Life Sciences;
- Founder, Hurlburt Residential College for Environmental Education;
- Convenor, Ecology House Steering Committee; and
- Chairman, Cornell Senate Committee on Educational Innovation

Experience

Senior Lecturer in Biology

Cornell University
Ithaca, New York

Period: January 1977 to present

Supervisor: Elise West, PhD, Director
The Learning Strategies Center
420 Computing and Communications Center
Cornell University
Ithaca, New York, 14853
(607) 255-6122
ejw3@cornell.edu

Responsibilities:
- Organize and teach introductory biology courses during fall and spring terms;
- Organize tutorial assistance for introductory and upper level biology courses;
- Train teaching assistants and tutors for non-majors introductory biology courses using video/recall and interview techniques; and
- Advise and counsel students in biology and related disciplines.

Distinctions:
- Finalist, the Clark Award for Outstanding Teaching at Cornell University (1987 and 1998);
- Honorary Member, Golden Key International Honour Society, Cornell University Chapter (inducted October, 1993); and
- Special Service Award, "For Dedicated Service to Students of Biological Science in the Pre-Freshman Summer Program at Cornell University" (1989)

Senior Lecturer in Evolutionary Biology

Cornell University
Ithaca, New York

Period: June 2003 to present

Supervisor: Rick Harrison, Chairman
Department of Ecology and Evolutionary Biology
E345 Corson Hall
Cornell University
Ithaca, New York, 14853
(607) 254-4231
rgh4@cornell.edu

Responsibilities:
- Organize and teach evolution courses during fall semester and summer sessions;
- Identify and select teaching assistants for introductory non-majors evolution courses;
- Train teaching assistants for introductory evolution courses using video/recall and interview techniques; and
- Advise and counsel students in evolution and related disciplines.

Senior Lecturer in Evolutionary Psychology

Cornell University
Ithaca, New York

Period: July 2009

Supervisor: Catherine S. Penner, Director
Cornell Adult University
Cornell Alumni House
626 Thurston Avenue
Ithaca, New York, 14850
(607) 255-4800
csp34@cornell.edu

Responsibilities:
- Organize and teach evolutionary psychology courses for Cornell Adult University and
- Evaluate effectiveness of CAU summer course content and presentation.

Vice-President for Academics/Chief Academic Officer

LearningRefined.com, LLC
Ithaca, New York

Period: October 2000 to December 2005

Supervisor: Leah Cynara Cook, President/Chief Executive Officer
LearningRefined.com, LLC

Responsibilities:
- Design and implement Articles of Organization and Operating Agreement;
- Develop comprehensive business plan and financial analysis for LRc operations;
- Work with LRc CEO to obtain venture capital funding to support LRc operations;
- Work with LRc technical staff to design and implement LRc website and subsites;
- Design and implement online learning resources for LearningRefined.com;
- Design and implement LRc Courses, Knowledge Center, and Lecture Notes;
- Locate and evaluate online resources (URLs) for linkage to LRc Knowledge Center;
- Monitor online lecture notes and other course materials for content and quality;
- Work with LRc Supervising Editor to develop quality control system; and
- Develop downloadable biology teaching materials for distance learning.

Biology Expert and Quality Control Manager

Versity.com
San Diego, California

Period: May 1999 to April 2000

Supervisor: Laura Lubetsky, Biology Expert System Manager
Versity.com c/o CollegeClub.com
1010 Second Avenue, Suite 700
San Diego, California, 92101
(619) 237-7064

Responsibilities:
- Setup and monitor Biology Expert Site of Versity.com Knowledge Center;
- Locate and evaluate online resources (URLs) for linkage to Biology Expert Site;
- Enter concept definitions and expert links (URLs) in Biology Expert Site;
- Answer questions posted to Biology Expert Site of Knowledge Center;
- Monitor online biology lecture notes for content and quality; and
- Develop downloadable biology teaching materials for distance learning.

Faculty Fellow for the Hurlbert Residential College for Environmental Education

Cornell University
Ithaca, New York

Period: September 1988 to May 1999

Supervisor: Susan H. Murphy, Vice-President
Student and Academic Services
311 Day Hall
Cornell University
Ithaca, New York, 14853-2801
(607) 255-7595
shm1@cornell.edu

Responsibilities:
- Organize and supervise intensive field trip for Ecology House residents at Oswegatchie field station in Adirondack forest preserve;
- Organize and lead enrichment seminars for students at Ecology House; and
- Work with resident director and staff to develop programs for residents.

Introductory Biology Instructor

Ithaca College
Ithaca, New York

Period: June 1998 to May 1999

Supervisor: Ethyl David, Director
Ithaca Opportunity Program
101 Towers Concourse
Ithaca College
Ithaca, New York, 14850
(607) 274-3381

Responsibilities:
- Organize and teach biology courses for Ithaca College summer session;
- Tutor students taking courses in introductory biology;
- Organize tutorial assistance for introductory and upper level biology courses;
- Advise and counsel students in biology and related disciplines, and
- Advise, counsel, and evaluate premedical students at Ithaca College.

Graduate Teaching Assistant in Introductory Biology

Cornell University
Ithaca, New York

Period: September 1975 to June 1977

Supervisor: Dr. Jon C. Glase, Senior Lecturer
Biological Sciences 103/104
1130 Comstock Hall
Cornell University
Ithaca, New York, 14853
(607) 255-2031

Responsibilities:
- Teach laboratory sections for introductory biology for biology majors;
- Prepare and present lectures on laboratory topics;
- Evaluate student research proposals, projects, and reports;
- Prepare, present, and evaluate practical and written examinations; and
- Assign final course grades.

New York State Regents Biology Teacher

Ithaca High School
Ithaca, New York, 14850

Period: January to May 1976

Supervisor: Dr. Verne Rockcastle, Professor Emeritus
Department of Education
Cornell University
Ithaca, New York, 14853
(607) 255-9271

Responsibilities:
- Prepare lesson plans using New York State Regents quidelines;
- Prepare and present multimedia group lectures and laboratory exercises; and
- Prepare and present final examinations and assign final grades.

Environmental Analyst and Laboratory Chemist

Tague Environmental Engineering
Homer, New York

Period: July 1974 to August 1975

Supervisor: Timothy Buehl, Senior Engineer
74 North West Street
Homer, New York, 13077
(607) 749-6624

Responsibilities:
- Collect field data on environmental quality;
- Perform laboratory analyses of water quality and chemical composition; and
- Prepare environmental impact assessments governmental agencies.

Field Research Assistant

Department of Neurobiology and Behavior
Cornell University
Ithaca, New York

Period: June to August, 1972 and 1973

Supervisor: Dr. Harrison W. Ambrose, III
Department of Zoology
University of Illinois, Champaign/Urbana
Urbana, Illinois, 61801
(217) 333-3430

Responsibilities:
- Design and construct experimental tests;
- Collect and mark wild *Microtus pennsylvanicus*;
- Perform immigration experiments with marked *Microtus pennsylvanicus*;
- Analyze data using mainframe computer;
- Perform related library research; and
- Prepare and present research report.

Laboratory Research Assistant

Department of Ecology and Systematics
Cornell University
Ithaca, New York
Period: June to August 1973
Supervisor: Dr. James B. Meade
1606 Smith Level Road
Chapel Hill, North Carolina, 27514
(919) 967-1311
Responsibilities:
- Collect field data on *Microtus* populations;
- Perform nutrient content analyses on selected wild plants;
- Perform *Microtus* food preference trials; and
- Analyze data using mainframe computer.

Theodolite Operator

Tague Environmental Engineering
Homer, New York
Period: July and August, 1968 to 1970
Supervisor: James Stockwin, N.Y.S. Licensed Land Surveyor
74 North West Street
Homer, New York, 13077
(607) 749-2644
Responsibilities:
- Operate theodolite and transit, including calculating angles for surveys;
- Operate Wild DI-10 laser distance measuring system;
- Operate optical levels for topographic surveys and construction layout; and
- Assist party chief in clearing and establishing baseline for land surveys.

Educational Innovations at Cornell University

Date	Description
2009	Developed method for students to formulate and share practice multiple-choice questions online in preparation for quizzes and exams.
_____	Developed procedures whereby students can actively develop learning strategies for identifying essential concepts using small group discussions in class.
_____	Developed in-class procedures for providing immediate feedback to instructor vis-à-vis concept learning.
_____	Developed adult/post-graduate seminar course in the Cornell Adult University summer program ("Is Religion an Evolutionary Adaptation?"). For description, see: http://www.sce.cornell.edu/cau/on_campus/courses.php?action=class&f=CLASSID&v=13012
_____	Developed online "study room" for the Cornell Adult University CyberTower ("The Darwinian Revolutions"). To view, see: http://cybertower.cornell.edu/lodetails.cfm?id=421
2008	Instituted practice of having students in BioG 010 formulate and share practice multiple-choice questions in preparation for exams in BioG 110.
2007	Instituted informal study groups in BioG 010, intended to reinforce collaborative study among students from different backgrounds and competencies.
2006	First (and so far only) LSC instructor to design and implement science weblog with national scope and international readership (see http://evolutionlist.blogspot.com/), currently #67 in Top 100 Science Blogs at Wikio.com (see http://www.wikio.com/blogs/top/sciences?start=60) and #12 evolution blog on the World Wide Web.
_____	First Cornell faculty member to teach upper-level seminar in the Cornell Six-Week Summer Session (BioEE 467/Bio&Soc 115/Hist 115/S&TS 115) with online component and participation from other countries and universities (see http://evolutionanddesign.blogsome.com/).
2004	Instituted policy of posting practice and review questions on course website for BioG 109/110, in preparation for exams.
2003	First (and so far only) LSC instructor to teach regular university course in the Cornell Six-Week Summer Session (BioEE 207/Hist 287/S&TS 287)
2002	First LSC instructor to implement course website separate (but complementary to) main course website
2000	Suggested formation of LSC Advisory Board and participated in meetings and workshops in which Advisory Board was designed and implemented
1999	While on sabbatical leave at the University of Michigan did original research culminating in publication of "The capacity for religious experience is an evolutionary adaptation for warfare", currently in print in three anthologies of original papers in evolutionary psychology
1998	Finalist for the Clark Award for Outstanding Lecturer at Cornell University, specifically for innovative teaching techniques and video/recall training of teaching assistants in Bio 009/010
_____	Instituted policy of emailing practice and review questions to students in BioG 109/110, in preparation for BioG 009 / 010 recitation sections.
1997	First (and so far only) LSC instructor to offer video/recall training program for teaching assistants in associated science courses (BioG 105/106, 109/110 and BioEE 207)
1993	First member of LSC faculty to be chosen as honorary member of the Golden Key National Honor Society at Cornell University, serving subsequently as chapter faculty advisor from August, 1995 to May, 1999
1991	Presented guest lecture as Charles Darwin (in full costume and makeup) to introductory biology lecture for non-majors at Cornell University, later performed as a one-man show off-Broadway in New York city ("An Evening With Charles Darwin") and on tour at colleges and universities
1989	Special Service Award "For Dedicated Service to Students of Biological Science in the Pre-Freshman Summer Program at Cornell University, awarded at Summer Program Awards Banquet (August 1989)
1988	First faculty member of lecturer rank to be chosen as Faculty Fellow at Cornell University, serving as Faculty Fellow for the Hurlbert Residential College for Environmental Education and Awareness from September 1988 to May 1999

1987 Finalist for the Clark Award for Outstanding Lecturer at Cornell University, specifically for innovative teaching techniques in Bio 009/010

1986 Formulated protocols and implemented procedures for undergraduate student study group program for students in LSC Summer Program with Dr. Gregory McQuator, still used (in modified form) by the Learning Strategies Center

1983 First LSC instructor to implement concept mapping and associated conceptual learning techniques as regular part of LSC instruction

1979 Formulated protocols for undergraduate student course assistant/tutorial program with LSC director Dr. William Collins, still used (in modified form) by the Learning Strategies Center

1978 Designed and implemented student course evaluation form for students using LSC supplemental courses, still used (in modified form) by the Learning Strategies Center

In am currently the longest-serving member of the faculty of the Learning Strategies Center at Cornell University, having first taught Bio Sci 001/002 beginning in January, 1977. As of January, 2010, I have been teaching biology and evolution for the Learning Strategies Center (formerly the Learning Skills Center) for 33 years.

Memberships and Offices Held

Ballet Guild of Ithaca, Inc.
Vice-President - October 1991 to December 1996.
Treasurer - January 1989 to October 2008.
Member , *Board of Directors* - September 1988 to present.

Center for Religion, Ethics, and Social Policy at Cornell University
Member, *Board of Directors* - September 1988 to August 1991.
Member - September 1988 to August 1995.

Cornell United Religious Work
Member, *Board of Directors* - September 1980 to May 1983.

Ecology House: The Hurlbert Residential College for Environmental Education and Awareness
Founder - June 1971.
Faculty Fellow - September 1988 to May 1999.

EcoJustice Project
Chairman , *Executive Committee* -June 1989 to August 1996.
Member , *Editorial Board* -September 1988 to August 1996.

Golden Key International Honour Society, Cornell University Chapter
Faculty Advisor - August 1995 to May 2005.
Honorary Member -October 1993 to present.

Ithaca Monthly Meeting of Friends (Quakers)
Member , *Ministry and Oversight Committee* - January 1990 to January 1992.
Member -August 1986 to present.

Ithaca Performing Arts Center, Inc.
Founder -September 1993.
Artistic Director - October 1993 to October 1997.
Convenor , *Executive Committee* -September 1993 to October 1997.
President - November 1993 to October 1997.

LearningRefined.com, LLC
Founder -October 2000.
Vice-President for Academics/Chief Academic Officer - October 2000 to December 2005.

Tompkins Community Day Care Center
Chairman , *Board of Directors* -January 1987 to April 1989.

Tompkins County Environmental Management Council
Chairman -December 1980 to January 1982.
Vice-Chairman -January 1978 to November 1980.

Ursus: The Cornell Forum for Environmental Issues
Member, Editorial Board - September 1990 to June 1995.

Varna Volunteer Fire Company
Secretary/Treasurer -December 1987 to December 1990.
Training Officer -December 1979 to November 1980.
Member , *Board of Directors* -December 1977 to November 1980.

Professional Affiliations

Founder and Member, The Hurlbert Residential College for Environmental Education and Awareness at Cornell
Honorary Member, The Golden Key International Honour Society, Cornell University Chapter
Member, American Association for the Advancement of Science
Member, American Institute of Biological Sciences
Member, Scientific Advisory Board, The Clergy Letter Project
Member, The Cornell Club of New York
Member, The Metropolitan Museum of Art
Member, The Metropolitan Opera Guild
Member, National Audubon Society
Member, National Geographic Society
Member, New York Academy of Sciences
Member, Paleontological Research Institute/Museum of the Earth

Presentations: Conferences, Courses, Lectures, Seminars, Speeches, and Symposia

2010. *Concepts of Biology* (lecture course for non-science majors) Cornell University, Ithaca, NY.
For complete course description, topics covered, readings, and records of course discussion, see:
http://courses.plantbio.cornell.edu/biog109-110/

2009. *Evolution: The Darwinian Revolutions* (lecture course for non-scientists) Cornell University, Ithaca, NY.
For complete course description, topics covered, readings, and records of course discussion, see:
http://evolution.freehostia.com/

_____ *Evolution and Human Free Will* (graduate seminar course) Cornell University, Ithaca, NY.
For complete course description, topics covered, readings, and records of course discussion, see:
http://www.sce.cornell.edu/ss/courses/on/courses.php?action=course&f=COURSEID&v=1825&f2=&v2=

_____ *Is Religion an Evolutionary Adaptation?* Cornell University, Ithaca, NY. For complete course description, topics covered, readings, and records of course discussion, see:
http://www.sce.cornell.edu/cau/on_campus/courses.php?action=class&f=CLASSID&v=13012

2008. *Evolution and Ethics: Is Morality Natural?* (seminar series) Cornell University, Ithaca, NY.
For complete course description, topics covered, readings, and records of course discussion, see:
http://evolutionlist.blogspot.com/2008/04/evolution-and-ethics-is-morality.html

2007. *Evolution and Religion: Is Religion Adaptive?* (seminar series) Cornell University, Ithaca, NY.
For complete course description, topics covered, readings, and records of course discussion, see:
http://evolutionlist.blogspot.com/2007/03/evolution-and-religion-is-religion.html

2006. *Evolution and Design: Is There Purpose in Nature?* (seminar series) Cornell University, Ithaca, NY.
For complete course description, topics covered, readings, and records of course discussion, see:
http://evolutionanddesign.blogsome.com/

2004. "Religion and Warfare: A Coevolutionary Spiral"
American Association of Religion, Eastern International Region annual conference, Cornell University, Ithaca, NY, April 30-May 1, 2004

2004. "Religion and Warfare: The Evolutionary Connections"
Library of Social Science First international Symposium on the Psychological Interpretation of War, Library of Social Science, Queens, NY, January 15-17, 2004

2003. "The Capacity for Religious Experience is an Evolutionary Adaptation to Warfare"
New England Institute 2nd Annual Conference on Evolutionary Psychology: Evolutionary Psychology and Religion, Portland, ME, August 11-16, 2003

1998. "Stepping Back: A Technique to Enhance Face-To-Face Conceptual Learning"
National Association of College Learning Skills Centers Northeast Regional Conference, Worchester, MA, February 7, 1998

1994. "Fidelity to Place"
Sage Chapel sermon, Cornell University, Ithaca, NY, March 6, 1994

1982. "Eukaryote Metabolism and Evolution: Putting it All Together"
National Association of Biology Teachers national convention in Boston, MA, October, 1982

Publications: Single Author

2010. "The Capacity for Religious Experience is an Evolutionary Adaptation to Warfare" in Wilkins, J. (ed) (2010) *Intelligent Design and Religion as a Natural Phenomenon* (The International Library of Essays on Evolutionary Thought, vol. 1), Ashgate Publishing Limited, Surrey, UK (in press).

_____ *Evolutionary Psychology: The Science of Human Nature* (college/university textbook). Projected manuscript length approximately 300 pages (in preparation; currently seeking publisher). Currently available online at: http://evolpsychology.blogspot.com/

_____ *Evolution: The Darwinian Revolutions* (college/university textbook). John Wiley & Sons, New York, NY. Projected manuscript length approximately 300 pages (in preparation; scheduled for publication in 2010).

_____ "Darwin Day Petition Drive" *The Evolution List.* Posted on 5 February 2010. Archived at: http://evolutionlist.blogspot.com/2010/02/darwin-day-petition-drive.html

_____ "John S. MacNeill, Jr." *The Evolution List.* Posted on 21 January 2010. Archived at: http://evolutionlist.blogspot.com/2010/01/john-s-macneill-jr.html

_____ "Evolution: The First Four Billion Years (A Review)" *The Evolution List.* Posted on 3 January 2010. Archived at: http://evolutionlist.blogspot.com/2010/01/evolution-first-four-billion-years.html

2009. "I *WON* the Game!" *The Evolution List.* Posted on 8 December 2009. Archived at: http://evolutionlist.blogspot.com/2009/12/i-won-game.html

_____ "The Searchers" *The Evolution List.* Posted on 7 December 2009. Archived at: http://evolutionlist.blogspot.com/2009/12/searchers.html

_____ "A New Species of Finch in the Galapagos: So What?" *The Evolution List.* Posted on 28 November 2009. Archived at: http://evolutionlist.blogspot.com/2009/11/new-species-of-finch-in-galapagos-so.html

_____ "The Longest Running Failed Prediction in Creationism" *The Evolution List.* Posted on 24 November 2009. Archived at: http://evolutionlist.blogspot.com/2009/11/longest-running-failed-prediction-in.html

_____ "Comfortable Creationists Wimp Out at Cornell." *The Evolution List.* Posted on 20 November 2009. Archived at: http://evolutionlist.blogspot.com/2009/11/comfortable-creationists-wimp-out-at.html

_____ "The Modern Synthesis is Dead – Long Live the Evolving Synthesis!" *The Evolution List.* Posted on 19 November 2009. Archived at: http://evolutionlist.blogspot.com/2009/11/modern-synthesis-is-dead-long-live.html

_____ "*The Darwinian Revolution* to be Shown at Cornell." *The Evolution List.* Posted on 19 November 2009. Archived at: http://evolutionlist.blogspot.com/2009/11/darwinian-revolution-videos-being-shown.html

_____ "A New Species of Finch May Have Evolved in the Galapagos *The Evolution List.* Posted on 18 November 2009. Archived at: http://evolutionlist.blogspot.com/2009/11/new-species-of-finch-may-have-evolved.html

_____ "The ID Cookie Crumbles." *The Evolution List.* Posted on 16 November 2009. Archived at: http://evolutionlist.blogspot.com/2009/11/id-cookie-crumbles.html

_____ "Books in Celebration of the 150th Anniversary of the *Origin of Species*" *The Evolution List.* Posted on 11 November 2009. Archived at: http://evolutionlist.blogspot.com/2009/11/books-in-celebration-of-150th.html

_____ "Macroevolution: What Were the Evolutionary Ancestors of Whales?" *The Evolution List.* Posted on 9 November 2009. Archived at: http://evolutionlist.blogspot.com/2009/11/macroevolution-what-were-evolutionary.html

_____ "*The Darwinian Revolutions* Video Series." *The Evolution List.* Posted on 8 November 2009. Archived at: http://evolutionlist.blogspot.com/2009/11/darwinian-revolutions-video-series.html

_____ "Why I Post on Creationist and ID Blogs." *The Evolution List.* Posted on 7 November 2009. Archived at: http://evolutionlist.blogspot.com/2009/11/why-i-post-comments-on-creationist-and.html

_____ "Rescuing Darwin from His Detractors (and Supporters)." *The Evolution List.* Posted on 4 November 2009. Archived at: http://evolutionlist.blogspot.com/2009/11/rescuing-darwin-from-his-detractors-and.html

_____ "Evolution, Intelligent Design, and the Banana Diet." *The Evolution List.* Posted on 2 November 2009. Archived at: http://evolutionlist.blogspot.com/2009/11/evolution-intelligent-design-and-banana.html

_____ "*Memeto mori:* The Metaphysics of *The Game.*" *The Evolution List.* Posted on 14 October 2009. Archived at: http://evolutionlist.blogspot.com/2009/10/memento-mori-metaphysics-of-game.html

_____ "What's So 'Intelligent' About 'Intelligent Design'?" *The Evolution List.* Posted on 2 June 2009. Archived at: http://evolutionlist.blogspot.com/2009/06/whats-so-intelligent-about-intelligent.html

_____ "How *Not* to Fight a Culture War." *The Evolution List.* Posted on 2 May 2009. Archived at: http://evolutionlist.blogspot.com/2009/05/how-not-to-fight-culture-war.html

_____ "More on Teleology in Evolutionary Biology." *The Evolution List.* Posted on 29 April 2009. Archived at: http://evolutionlist.blogspot.com/2009/04/more-on-teleology-in-evolutionary.html

_____ "Why Intelligent Design Supporters Insist That ID *Must* Be True." *The Evolution List.* Posted on 22 April 2009. Archived at: http://evolutionlist.blogspot.com/2009/04/why-intelligent-design-supporters.html

_____ "Evolution: Is Free Will An Illusion?" *The Evolution List.* Posted on 20 April 2009. Archived at: http://evolutionlist.blogspot.com/2009/04/evolution-is-free-will-illusion.html

_____ "Evolution: The Darwinian Revolutions." *The Evolution List.* Posted on 14 April 2009. Archived at: http://evolutionlist.blogspot.com/2009/04/evolution-darwinian-revolutions.html

_____ "Platonic Ideal Forms Versus Evolutionary Developmental Biology". *The Evolution List.* Posted on 8 April 2009. Archived at: http://evolutionlist.blogspot.com/2009/04/platonic-ideal-forms-versus.html

_____ "The Modern Evolutionary Synthesis". *The Evolution List*. Posted on 27 March 2009. Archived at: http://evolutionlist.blogspot.com/2009/03/modern-evolutionary-synthesis.html

_____ "The Modern Evolutionary Synthesis". *Evolutionary Psychology*. Posted on 26 March 2009. Archived at: http://evolpsychology.blogspot.com/2009/03/modern-evolutionary-synthesis.html

_____ "The Anwer (Now, What Was The Question?)". *The Evolution List*. Posted on 25 March 2009. Archived at: http://evolutionlist.blogspot.com/2009/03/answer-now-what-was-question.html

_____ "Intelligent Design is Boring". *The Evolution List*. Posted on 24 March 2009. Archived at: http://evolutionlist.blogspot.com/2009/03/intelligent-design-is-boring.html

_____ "Analogies, Metaphors, and Inference in Science". *The Evolution List*. Posted on 23 March 2009. Archived at: http://evolutionlist.blogspot.com/2009/03/analogies-metaphors-and-inference-in.html

_____ "Darwin on Instincts and the Expression of Emotions". *Evolutionary Psychology*. Posted on 22 March 2009. Archived at: http://evolpsychology.blogspot.com/2009/03/summary-in-chapter-vii-of-origin-of.html

_____ "Should Embryonic Stem Cells be Used for Medical Research? *The Evolution List*. Posted on 7 March 2009. Archived at: http://evolutionlist.blogspot.com/2009/03/should-embryonic-stem-cells-be-used-for.html

_____ "Can Natural Selection Produce New Information?" *The Evolution List*. Posted on 6 March 2009. Archived at: http://evolutionlist.blogspot.com/2009/03/can-natural-selection-produce-new.html

_____ "Why Do We Have the Senses that We Have?" *The Evolution List*. Posted on 5 March 2009. Archived at: http://evolutionlist.blogspot.com/2009/03/why-do-we-have-senses-that-we-have.html

_____ Teleology vs Teleonomy: Can a "Program" Exist Before Its "Programmer"? *The Evolution List*. Posted on 4 March 2009. Archived at: http://evolutionlist.blogspot.com/2009/03/teleology-vs-teleonomy-can-program.html

_____ "Are the Mechanisms that Produce Phenotypic Variation Random?" *The Evolution List*. Posted on 2 March 2009. Archived at: http://evolutionlist.blogspot.com/2009/03/are-mechanisms-that-produce-phenotypic.html

_____ "Did Anyone Observe the Origin of Eukaryotes?" *The Evolution List*. Posted on 26 February 2009. Archived at: http://evolutionlist.blogspot.com/2009/02/did.html

_____ "Natural Selection and Evolutionary Adaptations" *Evolutionary Psychology*. Posted on 24 February 2009. Archived at: http://evolpsychology.blogspot.com/2009/02/natural-selection-and-evolutionary.html

_____ "Chance and Necessity" *The Evolution List*. Posted on 23 February 2009. Archived at: http://evolutionlist.blogspot.com/2009/02/chance-and-necessity.html

_____ "Macroevolution: Examples and Evidence" *The Evolution List*. Posted on 17 February 2009. Archived at: http://evolutionlist.blogspot.com/2009/02/macroevolution-examples-and-evidence.html

_____ "Charles Robert Darwin, Born 12 February 1809" *The Evolution List*. Posted on 12 February 2009. Archived at: http://evolutionlist.blogspot.com/2009/02/charles-robert-darwin-born-12-february.html

_____ "TIDAC: Identity, Analogy, and Logical Argument in Science" *The Evolution List*. Posted on 28 January 2009. Archived at: http://evolutionlist.blogspot.com/2009/01/tidac-identity-analogy-and-logical.html

_____ "Horizontal Gene Transfer and Intelligent Design Theory" *The Evolution List*. Posted on 25 January 2009. Archived at: http://evolutionlist.blogspot.com/2009/01/horizontal-gene-transfer-and.html

_____ "Martian Rocks and Intelligent Design" *The Evolution List*. Posted on 18 January 2009. Archived at: http://evolutionlist.blogspot.com/2009/01/martian-rocks-and-intelligent-design.html

_____ "Natural Theology, Theodicy, and *The Name of the Rose*" *The Evolution List*. Posted on 7 January 2009. Archived at: http://evolutionlist.blogspot.com/2009/01/natural-theology-theodicy-and-name-of.html

2008. "On Weird Theories" *The Evolution List*. Posted on 30 December 2008. Archived at: http://evolutionlist.blogspot.com/2008/12/on-weird-theories.html

_____ "The 'Intelligent Design' Movement on College and University Campuses is Dead" *The Evolution List*. Posted on 22 December 2008. Archived at: http://evolutionlist.blogspot.com/2008/12/intelligent-design-movement-on-college.html

_____ "Natural Selection: Darwin's Dangerous Idea" *Evolutionary Psychology*. Posted on 28 September 2008. Archived at: http://evolpsychology.blogspot.com/2008/09/natural-selection-darwins-dangerous.html

_____ "It's Darwin-Malthus Day!" *The Evolution List*. Posted on 28 September 2008. Archived at: http://evolutionlist.blogspot.com/2008/09/its-darwin-malthus-day.html

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_____ "Day One of the Evolution Revolution" *The Evolution List*. Posted on 1 July 2008. Archived at: http://evolutionlist.blogspot.com/2008/07/day-one-of-evolution-revolution.html

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1989. "The Woodcutter and the Mountain". *The Egg: Journal of the Eco-Justice Project* .
Ithaca, New York, volume 8, number 4, pages 4 to 6 (lead article).

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1983. "Eukaryote Metabolism and Evolution: Putting it All Together". *Learning Skills Center Research Report Series*, Ithaca, New York, 16 pages. First presented at the National Association of Biology Teachers national convention in Boston, Massachusetts, October 1982.

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1979. "Environmental Impact Assessment for University Heights Subdivision, Oneonta, New York: Biological and Ecological Conditions". *John S. MacNeill, Jr., PC, Environmental Engineering*, Homer, New York, pages 22 to 116.

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Ecology Action of Tompkins County, Ithaca, New York, 120 pages.

Publications: Joint Author

MacNeill, Allen and **Lorrie Penfield, M.D.**

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Publications: Reviews

A review of :

Ruse, Michael & Travis, Joseph (2009) *Evolution:The First Four Billion Years*. Belknap Press of Harvard University Press: Cambridge, MA, 979 pages.

Appearing in: *American Paleontologist.* Ithaca, NY, volume 18, number 1 (Spring, 2010) (in press).

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Darwin, Charles (Edward O. Wilson, editor) (2005) *From So Simple a Beginning: Darwin's Four Great Books.* W.W. Norton: New York, NY, 1706 pages.

Darwin, Charles (James T. Costa, editor) (2009) *The Annotated Origin: A Facsimile of the First Edition of* On the Origin of Species*.* Belknap Press of Harvard University Press, Cambridge, MA, 576 pages.

Darwin, Charles (David Quammen, editor) (2008) *On the Origin of Species: The Illustrated Edition.* Sterling Publishers: New York, NY, 560 pages.

Darwin, Charles (Gordon Chancellor & John Van Wyhe, editors) (2009) *Charles Darwin's Notebooks from the Voyage of the* Beagle*.* Cambridge University Press: New York, NY, ISBN 0521517575 (hardcover, $150.00), 650 pages.

Desmond, Adrian & Moore, James (2009) *Darwin's Sacred Cause: How a Hatred of Slavery Shaped Darwin's Views on Human Evolution.* Houghton Mifflin Harcourt: New York, NY, ISBN 0547055269 (hardcover, $14.95), 448 pages.

McCalman, Iain (2009) *Darwin's Armada: Four Voyages and the Battle for the Theory of Evolution*. W.W. Norton & Co.: New York, NY, ISBN 0393068145 (hardcover, $29.95), 432 pages.

Quammen, David (2007) *The Reluctant Mr. Darwin: An Intimate Portrait of Charles Darwin and the Making of His Theory of Evolution.* Atlas Books: New York, NY, ISBN 039332995X (paperback, $35.00), 304 pages.

Appearing in: *American Paleontologist.* Ithaca, NY, volume 17, number 4 (Winter, 2009).

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Humes, Edward (2008) *Monkey Girl: Evolution, Education, Religion, and the Battle for America's Soul.* Harper Perennial, New York, NY, 400 pages.

Lebo, Lauri (2008) *The Devil in Dover: An Insider's Story of Dogma v. Darwin in Small-town America.* The New Press, New York, NY, 256 pages.

NOVA (2007) *Judgment Day: Intelligent Design on Trial.* WGBH, Boston, MA, (DVD).

Appearing in: *American Paleontologist.* Ithaca, NY, volume 16, number 4 (Winter, 2008) pages 43 to 44.

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Meadows, Donella H.
1991. *The Global Citizen*. Island Press, Washington, D.C., 300 pages.

Appearing in: *The Egg: Journal of the Eco-Justice Project*. Ithaca, NY, volume 12, number 3, pages 16 to 17.

Reviews of :

Singer, Peter
1975. *Animal Liberation: A New Ethics for Our Treatment of Animals*. Avon Books, New York, New York, 297 pages.

Singer, Peter
1981. *The Expanding Circle* . Clarendon Press of Oxford University Press, Oxford, England, 190 pages.

Appearing in: *The Egg: Journal of the Eco-Justice Project*. Ithaca, NY, volume 9, number 3, pages 10 to 18.

Publications: Videos, Weblogs, Websites, and Online Resources

Videos Prepared by and/or Featuring Allen D. MacNeill:

The Darwinian Revolutions. (video lecture series). A series of six online lectures on the subject of Darwin's theory of evolution by natural selection, covering the history of evolution from the ancient Greeks to the present. Videotaped at Ithaca's renowned Museum of the Earth and featuring interviews with Prof. William Provine of Cornell University and Prof. Warren Allman, director of the Museum of the Earth at the Paleontological Research Institution on Ithaca's west hill. Launched on 6 November 2009 to celebrate the 150th anniversary of the original publication of Charles Darwin's *Origin of Species* on 24 November 2009. See: http://cybertower.cornell.edu/lodetails.cfm?id=421

Making a Successful Transition to Cornell. (video lecture series). A series of fifteen videotaped lectures on the subject of students' expectations and experiences upon entering Cornell University, prepared by Cornell's Learning Strategies Center. Allen MacNeill is the narrator for Lecture #3, "Intellectual Expectations". Hosted by Cornell Adult University's CyberTower website, located at http://sandstone5.cit.cornell.edu/. Lecture #3 is located at http://sandstone5.cit.cornell.edu/Requester/r/video/transitioning/2. The lecture series "Making a Successful Transition to Cornell" was launched on 6 August 2008.

Weblogs, websites, and online resources created, developed, and maintained by Allen D. MacNeill:

Concepts of Biology (instructional website) Continuously updated to support students taking BIOG 1009/1010 at Cornell University, Ithaca, NY. Includes course syllabi, handouts, practice questions, practice exams, review material, and other pedagogical materials available for download in .doc and .pdf formats. For complete course description, topics covered, readings, and records of course discussion, see: http://courses.plantbio.cornell.edu/biog109-110/

The Darwinian Revolutions (online video series produced by CyberTower, Cornell University, Ithaca, NY) A series of six online videos documenting the history of Darwin's theory of evolution by natural selection. Available at: http://cybertower.cornell.edu/lodetails.cfm?id=421

Evolution 2070 (course weblog for evolution course for non-science majors, taught at Cornell University, Ithaca, NY) Course weblog and forum for informal discussion among the participants in *Evolution: The Darwinian Revolutions* (BIOEE 2070). Available at: http://evolution.freehostia.com/

Evolution and Design: Is There Purpose in Nature? (course weblog for seminar course for upper level undergraduates, graduate students, and faculty, taught at Cornell University, Ithaca, NY) A forum for informal discussion among the participants in Cornell Seminar in History of Biology. Postings and commentary began in June 2006 (BIOEE 4670). Available at: http://evolutionanddesign.blogsome.com/

The Evolution List. (weblog). Regularly updated weblog, intended as a forum for commentary, discussion, essays, news, and reviews that illuminate the theory of evolution and its implications in original and insightful ways. Postings and commentary began in February 2006. Currently rated at #63 in "Top Science Blogs" at Wikio.com (http://www.wikio.com/blogs/top/sciences?start=60 and #12 among science blogs on evolution http://www.wikio.co.uk/news/Allen+MacNeill). Available at: http://evolutionlist.blogspot.com/

Evolutionary Psychology. (weblog). Regularly updated weblog, intended as a forum for commentary, discussion, essays, news, and reviews that illuminate the theory of evolution and its implications for psychology in original and insightful ways. Postings and commentary began in August 2008. Available at: http://evolpsychology.blogspot.com/

Weblogs, websites, and online resources referring to Allen D. MacNeill:

For the most recent updated listing of online web-based references and resources, search at:
http://www.google.com/search?hl=en&q=allen+MacNeill&btnG=Google+Search
and:
http://www.bing.com/search?q=Allen+MacNeill&go=&form=QBLH&qs=n

Qualifications

Certification: ***Emergency Medical Technician*** June 1979
New York State Emergency Medical Technician Training Program,
Tompkins-Cortland Community College/Varna Volunteer Fire Company and Rescue Squad.

Graduate: ***Radiation Safety Officer*** June 1978
New York State Radiation Safety and Accident Management Course,
Tompkins County Fire and Disaster Coordination Program.

Graduate: ***Pump Operator*** March 1978
New York State Fire Pump Operator Course, Tompkins County Fire and Disaster Coordination Program/Varna Volunteer Fire Company and Rescue Squad.

Graduate: ***Firefighter*** December 1977
New York State Essentials of Firefighting Course, Tompkins County Fire and Disaster Coordination Program/Varna Volunteer Fire Company and Rescue Squad.

Permanent Certification: ***NYS Regents Biology Teacher*** August 1976
Secondary School Regents Biology, New York State Board of Regents.

Testimony

Expert Witness: February 1985
Grady vs United States Air Force:
Trial of Plowshares Alliance on charges of trespassing and vandalism at Griffis Air Force Base, Rome, New York.
Testified concerning ecological and health effects of nuclear war, and implications of game theory for nuclear disarmament.

Panel Member: April 1979
State University of New York at Cortland:
Safety and Health Effects of the Accident at the Three Mile Island Nuclear Electric Generating Station.

Expert Witness: February 1978 to March 1978
New York State Public Service Commission:
Hearings concerning public health and safety, need, and alternative energy sources for New Haven nuclear electric generating stations (NYSPSC Case 60003).

Expert Witness: July 1977 to February 1978
New York State Public Service Commission:
Hearings concerning public health and safety, need, and alternative energy sources for Jamesport nuclear electric generating stations (NYSPSC Case 60001).

Theatrical Performances: *Ballet*

"Alice in Wonderland"

Composer: Maurice Ravel: "Le Trombeau du Cuperin"
Choreographer: Alice Reid
Company: The Ithaca Ballet
Date Performed: October 1993, August 2001, and October 2005
Locations: Homer, Ithaca, Seneca Falls, and Solvay, New York
Role Performed: The Queen of Hearts

"Cinderella"

Composer: Sergei Prokofiev
Choreographer: Alice and Lavinia Reid
Company: The Ithaca Ballet
Date Performed: October 1998 and April 2004
Location: Ithaca, New York
Role Performed: The Ugly Stepsister

"The Nutcracker"

Composer: Peter Illych Tchaikovsky
Choreographer: Lavinia Reid and Marius Petipa
Company: The Ithaca Ballet
Dates Performed: December 1986 to December 2009
Locations: Canandaigua, Cincinnatus, Clifton Springs, Geneva (at the Smith Opera House), Homer, Hornell, Ithaca (at Historic Ithaca's State Theatre), Owego, Red Creek, and Seneca Falls, NY
Role Performed: Herr Doctor Drosselmeyer

"Peter and the Wolf" *World Premier Performance*

Composer: Sergei Prokofiev
Choreographer: Lavinia Reid
Company: The Ithaca Ballet
Date Performed: September to November 1992 and September 2006
Locations: Ithaca, Owego, and Seneca Falls, New York
Role Performed: The Grandfather

"The Pied Piper"

Composer: Edvard Grieg: "Pier Gynt Suite"
Choreographer: Alice Reid
Company: The Ithaca Ballet
Date Performed: April 1993 and March 1998
Location: Alice Statler Auditorium, Ithaca, New York
Role Performed: The Mayor of Hamelin

"Pinocchio"

Composer: Bernard Rogers
Choreographer: Lavinia Reid
Company: The Ithaca Ballet
Date Performed: October 1995
Location: Ithaca Performing Arts Center, Ithaca, New York
Roles Performed: Gepetto, Narrator

"Romeo and Juliet" *Regional Premier Performance*

Composer: Sergei Prokofiev
Choreographer: Rafael Gregorian
Company: The Ithaca Ballet
Date Performed: April 2005
Location: Historic Ithaca's State Theatre, Ithaca, New York
Roles Performed: Lord Capulet

"Snow White" *World Premier Performance*

Composer: Lavinia Reid
Choreographer: Lavinia Reid
Company: The Ithaca Ballet
Date Performed: June 1990 and February 2008
Locations: Kulp Auditorium, Ithaca, New York and The Capitol Theatre, Chambersburg, Pennsylvania
Role Performed: Narrator

"The Sorcerer's Apprentice" *Regional Dance America Festival*

Composer: Paul Dukas
Choreographer: Lavinia Reid
Company: The Ithaca Ballet
Date Performed: June 1993
Location: Hershey Theatre, Hershey, Pennsylvania
Role Performed: The Sorcerer

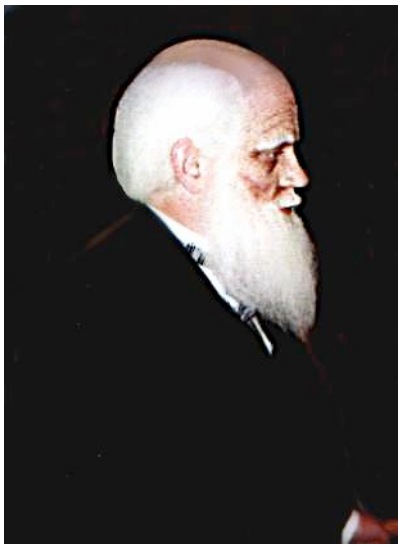
"Trilby" *World Premier Performance*

Composer: Gustav Mahler: Symphony #2, 3rd Movement ("*In ruhig fliessender Bewegung*")
Choreographer: Allen D. MacNeill
Company: The Ithaca Ballet II
Date Performed: February 1993
Location: Ithaca Ballet Choreography Workshop
Role Performed: Svengali

Theatrical Performances: *Drama*

"An Evening With Charles Darwin"

Playwright:	Allen D. MacNeill & Charles Darwin (from his autobiography)
Director:	Allen D. MacNeill
Company:	Utopia Theatre Company
Date Performed:	August 1992 *World Premier Performance*
Location:	The Belasco Theater, New York City
Date Performed:	August 1992
Location:	The Cornell Club, New York City
Date Performed:	July 1994
Location:	The Williams Club, New York City
Date Performed:	December 1994
Location:	Williams College, Williamstown, Massachusetts
Role Performed:	Charles Darwin



"All Men are Whores"

Playwright:	David Mamet
Director:	Maggie Rowe
Company:	Kitchen Theatre Company
Date Performed:	August 1994
Locations:	Finger Lakes Grassroots Festival, Trumansburg, NY The Kitchen Theater, Ithaca, New York The Shoebox Theater, New Haven, Connecticut
Role Performed:	Sam

"The Fairie Queen"

Composer:	Henry Purcell
Libretto:	William Shakespeare (& Deborah Karner)
Directors:	Deborah Karner (theater), Edward Murray (music)
Company:	The Ithaca Opera & Ithaca Ballet
Date Performed:	May 1996
Location:	The Hanger Theater, Ithaca, New York
Role Performed:	Perseus, Duke of Athens

"Freedom"

Playwright:	William Allen
Director:	Kim Hubbard
Company:	C4Act
Date Performed:	May 2009
Locations:	Center for the Performing Arts, Homer, NY
Role Performed:	Edwin M. Stanton, Secretary of War in the Lincoln administration

"The Man Who Came to Dinner"

Playwrights: George S. Kaufman and Moss Hart (incidental music by Cole Porter)
Director: William S. Whiting
Company: C4Act
Date Performed: October 2009
Locations: Center for the Performing Arts, Homer, NY
Role Performed: Beverly Carlton (including "What Am I To Do?" piano & voice solo)

"The Merry Wives of Windsor"

Playwright: William Shakespeare
Director: William S. Whiting
Company: C4Act
Date Performed: October 2007
Locations: Center for the Performing Arts, Homer, NY
Role Performed: Sir John ("Jack") Falstaff

"Much Ado About Nothing"

Playwright: William Shakespeare
Director: William S. Whiting
Company: C4Act
Date Performed: October 2008
Locations: Center for the Performing Arts, Homer, NY
Role Performed: Constable Dogberry

"Murder in the Cathedral"

Playwright: T. S. Elliot
Director: William S. Whiting
Company: The Trope Troupe
Date Performed: March 2005
Locations: Cortland, NY
Role Performed: Baron William de Tracy, Knight

"Outward Bound"

Playwright: Sutton Vane
Director: William S. Whiting
Company: The Trope Troupe
Date Performed: April 2006
Locations: Cortland, NY
Role Performed: Rev. Frank "Grease Spot" Thompson

Other Theatrical Roles Performed

Production: "Hamlet"
Playwright: William Shakespeare
Company: Homer Shakespearean Society
Roles Performed: First Player/Player King

Production: "The Lesson"
Playwright: Eugene Ionesco
Company: The Blackfriar's Players
Role Performed: The Professor

Production: "A Midsummer Night's Dream"
Playwright: William Shakespeare
Company: Homer Shakespearean Society
Role Performed: Nick Bottom, a weaver (and an ass)

Production: "Saint Joan"
Playwright: George Bernard Shaw
Company: The Blackfriar's Players
Role Performed: Richard De Beauchamp, Earl of Warwick

Production: "The Skin of Our Teeth"
Playwright: Thornton Wilder
Company: The National Thespian Society
Role Performed: The Stage Manager (theatrical role)

Production: "The Taming of the Shrew"
Playwright: William Shakespeare
Company: Homer Shakespearean Society
Role Performed: Lucentio

Theatrical Performances: *Film/Video*

"Boyceball" Video documentary (short subject)
Screenwriter: Robert Lieberman
Director: Robert Lieberman
Company: Ithaca Film Works
Date Produced: February 1992
Broadcast: PBS Special Documentary, April 1992
Role Performed: Master of Ceremonies

"The Darwinian Revolutions" Video documentary
Screenwriter: Allen MacNeill
Director: Becky Lane
Company: Cornell/CyberTower
Date Produced: May 2009
Date Released: 24 November 2009
Broadcast: Online at: http://cybertower.cornell.edu/lodetails.cfm?id=421
Role Performed: Host/Narrator

"Green Lights" Film (feature length)
Screenwriter: Robert Lieberman
Director: Robert Lieberman
Company: Ithaca Film Works
Date Produced: May 2000
Screened: September 2000 to March 2005
Role Performed: Oedipus Rex

"The Nutcracker" Video performance (feature length)
Composer: Peter Illych Tchaikovsky
Choreographer: Lavinia Reid/Marius Petipa
Company: The Ithaca Ballet
Video Producer: Allen D. MacNeill
Director: Lavinia Reid
Technical Director: Craig Eagleson
Camera Operator: Boris Lieberman
Company: Utopia Video Arts
Date Produced: June 1993
Broadcast: WSKG Public Television, December 1993