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VITA

Born: July 31, 1945

Education:

California Institute of Technology; B.S. 1970
Rockefeller University; Ph.D. 1975

Honors and Awards:

National Merit Scholarship (awarded 1963)
Green Memorial Award (best undergraduate research; awarded 1970)
National Science Foundation Fellowship (awarded 1970)
Society of Fellows, Harvard (declined; 1975)
Guggenheim Foundation Fellowship (awarded 1987)
Fellow, American Association for the Advancement of Science (awarded 1989)
Fellow, Animal Behavior Society (awarded 1992)
Carnegie Foundation NJ Professor of the Year (awarded 1996)
Animal Behavior Society Distinguished Teacher of the Year (awarded 1997)

Employment:

U.S. Army Signal Corps (1967-1968)
Assistant Professor, Princeton University (1975-1980)
Associate Professor, Princeton University (1980-1984)
Professor, Princeton University (1984-present)

University Service:

Director, Alumni College (Fall 1976)
Director, Alumni College (Fall 1986)
Course of Study Committee (1986-1989)
Public Lectures Committee (1978-1990; Chairman 1984-1990)
Member, Westminster Foundation Board (campus ministry; 1991-1997)
Member, Committee on Academic Programs, Alumni Council (1993-1996)
Member, Culpepper Committee (Teaching Innovation; 1993-1995)
Departmental Representative (1993-present)
Interdepartmental Committee on Applications of Computing (1995-present)
Alumni College (Winter 1997)
Senior Fellow, Mathey College (1997-2007)
Sophomore advisor (1999-2002)
Faculty Committee on Rights and Responsibilities (1999-2002)
Beckman Scholars Committee (1999-2001)
Interdepartmental Committee on Neuroscience (2001-present)
Alumni Studies Online Course (2001-2; 2002-3)

Committee on Committees (2002-present)
Faculty Advisory Committee to Princeton Writing Program (2002-present)
Director, Alumni College (Spring 2003)
Director, Alumni Trip (Spring 2004)
Director, Alumni Trip (Spring 2005)
Numerous departmental committees
Numerous Parents' Day and Alumni Day talks

Publications

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GOULD, J.L. Animal navigation: evolution of magnetic orientation. *Current Biology* 18, R482-484 (2008).

GOULD, J.L. Built by animals. *Times Lit. Supp.* (5486), 26-27 (2008).

GOULD, J.L., & C.G. GOULD. *L'Architettura Delgi Animali*. (Milan: Raffaello Cortina), 376pp (2008).

GOULD, J.L., & C.G. GOULD *Animal Navigation* (in preparation, Princeton University Press).

GOULD, J.L., & C. GREGG. Possible concept formation in fish. *Anim. Cog.* (in review).

GOULD, J.L., Choi, E., & Mukerji, J. Preadaptation and the evolution of female preference (*in preparation*).

PECHT, B.T., D.. YAN, BIGGERSTAFF, D.S. & J.L. GOULD. Innate recognition of eye spacing in chickens (*in preparation*).

GOULD, J.L. ***Writing for the Sciences*** (*in preparation*).

Television Scripts:

GOULD, J.L., & C. LAFONTAINE. What makes an animal smart? *BBC Horizon* (first broadcast: May 1986, BBC II; August 1986, BBC I).

GOULD, J.L., & C. LAFONTAINE. Making sex pay. *BBC Horizon* (first broadcast: May 1987, BBC II; September 1987, BBC I).

GOULD, J.L., & C. LAFONTAINE. In the company of ants and bees. *BBC Horizon* (first broadcast: April 1990, BBC II; July 1990, BBC I).

Computer Applications:

GOULD, J.L., & G.F. GOULD. *Essence of Biology: A HyperCard Study Guide to Biological Science V* (New York: W.W. Norton) 4 disks (1993).

GOULD, J.L., G.F. GOULD, & C.H. GOULD. *Essence of Biology: A ToolBook Study Guide to Biological Science V* (New York: W.W. Norton) 4 disks (1993).

GOULD, G.F., & J.L. GOULD. *Norton Presentation Maker: HyperCard and ToolBook Lecture Creation and Presentation Tools* (New York: W.W. Norton) CD-ROM (1996).

GOULD, G.F., & J.L. GOULD. *Biostats Basics: A HyperCard and ToolBook Tutorial and Statistical Computation Program* (New York: W.H. Freeman) On-line download (2001).

GOULD, J.L. *SCI 020.1 Animal Behavior* (Princeton, Oxford, Stanford, & Yale: Alliance for Lifelong Learning) (2001).

Teaching

General Undergraduate Courses (continuing courses)

Animal Behavior	(~150-200 students)	1975/76- <u>present</u> *
Animal Behavior Laboratory	(~15 students)	1990/91-2003/04*
Introductory Biology (with lab)	(~125-175 students)	1982/83- <u>present</u>
Biological Statistics	(~30-50 students)	1994/95-2000/01; 2006/07^
Writing Seminar (Animal Mind)	(12 students)	2001/02- <u>present</u>
Marine Biology (with lab)	(16 students)	2006/07- <u>present</u>
Junior Tutorial Seminar	(16 students)	2002/03; 2006/07

Freshman Seminars (one-time courses)

Nature and Nurture (with lab)	(~15 students; 1990/91)
Chance and Causation (with lab)	(~15 students; 1994/95)
The Animal Mind (with lab)	(~15 students; 1997/98)

Graduate Courses (“one-time” courses)

Behavioral Genetics	(~12 students; 1976/77, 1978/79)
Genetics of Learning	(~12 students; 1980/81)
Biology of Learning	(~12 students; 1982/83)
Orientation and Homing	(~10 students; 1984/85)
Sexual Selection	(~15 students; 1992/93)
Classic Papers in Ethology	(~10 students; 1996/97, 2000/01- <u>present</u>)

On-Line Courses

Animal Behavior	(~20-50 students; 2001/02; 2002/03)
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Non-Princeton Courses

Neurobiology and Behavior	(~25 students; 1977, 1978) (Marine Biological Laboratory, Woods Hole; six weeks)
Animal Behavior	(~25 students; 1987) (MIT, Cambridge; one week)

*Alternate years since 1982

^Six-week course; alternate years since 1997; three-week course with precepts in alternate years since 2006

Invited Talks:

1975

University of Wisconsin
Millbrook School
University of California, Davis
Sara Lawrence College

University of Missouri
Princeton University
Hunter College
University of California, San Diego

1976

Rockefeller University
Rutgers University
Washington University
Harvard University
Alumni College (Director)
Princeton Old Guard
XVth Intl. Congress of Entomology
Yale University
Johns Hopkins University (decl.)

New York Entomological Society
McGill University
California Institute of Technology
American Museum of Natural History
City University of New York
Bryn Mawr (decl.)
Gordon Research Conference (decl.)
Present Day Club
Cornell University

1977

Duke University
State University of N.Y., Albany
Swarthmore College (decl.)
Marine Biological Laboratory (faculty)

Animal Behavior Society (decl.)
Purdue University (decl.)
Wagner Institute of Science

1978

Columbia University (decl.)
California Institute of Technology
Rutgers University

Rockefeller University
University of Connecticut (decl.)
Marine Biological Laboratory (faculty)

1979

Goddard Space Flight Center
Fermi Laboratory (decl.)
University of Indiana (decl.)
Rockefeller University
Society for Neuroscience
University of Illinois (decl.)

Delaware Valley College (decl.)
Rockefeller University
Academy of Natural History
XVIth Intl. Ethological Conference
University of California, San Diego
Harvey Mudd College (Dreyfus
Foundation Visiting Lecturer; 5 talks)

1980

Harvard University
Johns Hopkins University
Brown University (decl.)
Virginia Commonwealth University
University of Minnesota

Dalhousie University (decl.)
Colgate University (decl.)
University of Connecticut
Animal Behavior Society

1981

Dahlem Conference
XVIIth Intl. Ethological Congress
University of Delaware
American Association for the
Advancement of Science (decl.)

Intl. Congress on Social Insects (decl.)
State University of N.Y., Stony Brook
Washington University
Swarthmore College
University of Pittsburgh

1982

Amer. Museum of Natural History
Bell Laboratories
VIth Intl. Conference on Comparative
Physiology (decl.)
State University of N.Y., Albany

Harvey Mudd College
(Commencement address)
University of Virginia (decl.)
Stockton College

1983

Columbia University
University of Illinois
Dahlem Conference
von Frisch Memorial Symposium
University of Maryland
University of Missouri (decl.)
Marine Biological Laboratory
Gettysburg College

McGill University
Midwestern Neuroscience Society
(Keynote address)
Smithsonian Institution
Sandia National Laboratories
Society for Neuroscience (decl.)
Audubon Society

1984

Winter Animal Behavior Conf. (decl.)
Giftedness Symposium
Fairleigh Dickenson University
2nd Intl. Conf. on the Neurobiology
of Learning and Memory
University of Ottawa (decl.)

Rockefeller University
2nd Conference on Foraging
IXth Intl. Conf. on Photobiology (decl.)
University of Pennsylvania
Yale University

1985

Rutgers University
Winter Animal Behavior Conf. (decl.)
Society of Technical Writers
University of Idaho

Colorado State University (decl.)
Brown University
ISSSI Conf. on Social Insects (decl.)

1986

Columbia University
University of Florida (decl.)
State University of N.Y., Stony Brook
Alumni College (Director)
State Univ. of N.Y., Brooklyn (decl.)

American Society of Zoölogists
Sandia National Laboratories
California Institute of Technology
University of Rochester

1987

Massachusetts Institute of Technology
Bennington College
Animal Behavior Society (decl.)
Cold Spring Harbor
University of North Carolina
SUNY Downstate Medical Center

Salem College
Swarthmore College
Electromagnetism Society (decl.)
Neurosciences Institute (decl.)
Latin Amer. Center for Biology (decl.)

1988

University of Illinois
MBL Conf. on Behavior (decl.)
Texas A & M (decl.)

Assn. for Behavior Analysis (decl.)
University of California, San Diego
Washington State University (decl.)

1989

Royal Institute of Navigation (decl.)
Cold Spring Harbor
Intl. School for Adv. Studies (decl.)

University of Pennsylvania
Columbia University
Notre Dame

1990

Rockefeller University
University of Virginia
Nassau Club

Royal Entomological Society
Mountain Lakes Center
IXth ECRO Congress (decl.)

1991

XIVth Symp. Quant. Anal. Behavior
University of Oregon
Bowman's Hill Reserve

Cold Spring Harbor
American Museum of Natural History

1992

Society for Experimental Biology (decl.)

1993

FESN (Fondation pour l'Etude du Système Nerveux Central et Périphérique)
Rutgers University
AIBS (American Institute of Biological Science)
University of Toronto
Cold Spring Harbor

1994

Winter Animal Behavior Conf. (decl.)
Princeton Day School

Princeton University

1995

AAAS (American Association for the Advancement of Science)
Society for Neuroethology
Richmond Schools AP Biology

George Mason University
Princeton University Sigma Xi

1996

Star Island Conference on Natural History (6 talks)	Rider University
Penn State University	Princeton Unitarian Church
Queens University	Princeton University CIT Series
	University of Delaware (decl.)

1997

Rockefeller University	Quest (Princeton Teacher Prep Program)
Kent State University	University of Maryland
Animal Behavior Society (Fellows lecture)	Princeton University Alumni College
Princeton University Science and Technology Teaching Seminar	
Wesleyan University	Rockefeller University

1998

MIT	Princeton Day School
Princeton Alumni Leadership Council	Hightstown High School
Rockefeller University	Mathey College

1999

Classic Cruises (8 talks)	Swarthmore
Mathey College	Princeton Alumni Council (4 talks)
WGBH Boston (PBS)	American Museum of Natural History

2000

Nassau Club	Princeton Old Guard
Present Day Club	Scholars First (13 lectures)
Mathey College	

2001

Princeton 55+	Scholars First (15 lectures)
Princeton Alumni Association (4 lectures)	Bell Labs
Mathey College	Princeton University Reunions
Princeton High School	McGraw Center Master Lecturer Course

2002

Princeton 55+	IEEE Keynote Lecture (declined)
Princeton Unitarian Church	Rockefeller University (physics/AI group)
Princeton University Engineering School	QUEST Program (declined)
Princeton University OIT	Princeton Alumni Council
Pennswood Village	Mathey College
Rockefeller University (2 lectures)	Nassau Presbyterian Church
Princeton Medical Center Grand Rounds	

2003

Princeton Alumni Council (6 lectures)	Du Pont Lecture, Christiana Hundred
Du Pont Lecture, Christiana Hundred	Foundation (spring series)

Foundation (fall series)
Mathey College

Rockefeller University (2 lectures)

2004
Princeton Alumni College (3 lectures)
Rockefeller University
Princeton Old Guard (declined)
Classical Cruises (3 lectures)
Mathey College

Princeton Alumni Council (4 lectures)
Du Pont Lecture, Christiana Hundred
Foundation (fall series)
U. Mass. School of Medicine

2005
Princeton Alumni College (4 lectures)
Animal Behavior Society

Princeton Old Guard
Mathey College

2006
XV International Congress of the IUSSI
Du Pont Lecture, Christiana Hundred
Foundation (spring series)

Nassau Presbyterian Church (2 lectures)
Rockefeller University (2 lectures)
Mathey College

2007
Princeton 55+
Du Pont Lecture, Christiana Hundred
Foundation (fall series)

Du Pont Lecture, Christiana Hundred
Foundation (spring series)
Mathey College

2008
Rockefeller University (2 lectures)
Du Pont Lecture, Christiana Hundred Foundation (spring series)

Princeton Unitarian Church