

1964	Indiana University Graduate Fellow
1965	American Philosophical Society Award, Penrose Fund
1968-1969	NSF Grant GS-1971
1970	NSF Grant GS-3102
1971	University of Wisconsin Summer Research Grant
1972-1974	NSF Grant GS-33683
1975-1977	NSF Grant 75-03535
1978-1980	NSF Grant Soc 75-03535-A01
1979	University of Wisconsin Foundation Award
1980-1981	Guggenheim Fellowship
1986	NSF Grant SES-8508505
1988	NSF Grant DIR 8720624
1990	NSF Grant DIR-9012258
1995	Honorary Doctorate, the University of Guelph, Guelph, Canada
1998	Conference at Bellagio, The Rockefeller Foundation, July 21-31
2001	Honorary Doctorate, Illinois Wesleyan University, Bloomington, IL

Professional Positions

Philosophy of Science Association

- Program Committee, 1974-1975
- External Funding Committee, 1975-1978 (chair 1978)
- Nominating Committee, 1976-1977
- Governing Board, 1979-1983
- President-elect, 1983-1984
- President, 1985-1986
- Past-president, 1987-1988

American Association for the Advancement of Science

- Nominating Committee, 1995-1997
- Section L
 - Section Committee, 1978-1982
 - Secretary, 1982-1985
 - Chair, 1988
 - Fellow, 1985-present
 - Member-at-large, 1992-1995

Society of Systematic Zoology

- Councilor, 1977-1979
- President-elect, 1982-1983
- President, 1984-1985
- Past-President, 1986-1987

International Society for the History, Philosophy, and Social Studies of Biology

- President-elect, 1989-1990
- President, 1991-1992
- Past-President, 1993-1994

American Academy of Arts and Science

- Fellow, 1992-present

National Science Foundation, Program in History and Philosophy of Science

- Advisory Panel, 1970-1972, 1982-1983
- Oversight Committee, 1986

Advisory Panel for Interdisciplinary Grants, 1990

International Committee, First International Congress of Systematics and Evolutionary Biology, 1973

Sectional Committee, International Congress of Logic, Methodology, and Philosophy of Science, 1975, 1986

U.S. National Committee for the International Union of the History and Philosophy of Science, National Research Council, National Academy of Sciences

Subcommittee on Scientific Conduct, National Academy of Sciences, 1988-1989

American Philosophical Association, Committee on the Status of Lesbian, Gay, Bisexual and Transgender People in the Profession, 1998-2001.

Administrative Experience

University of Wisconsin, Milwaukee

Chair, Graduate Fellowship Committee, 1973-1974

Chair, Divisional Committee, 1977-1978

Chair, Department of Philosophy, 1977-1980

Northwestern University

Chair, Department of Ecology and Evolutionary Biology, 1987-1988

Chair, Program in the History and Philosophy of Science, 1987-2000

University Promotion and Tenure Committee, 1989-1990, 1994-1997

Internal Review Committee, Biomedical Engineering, 1986-1987, 1996-1997

Editorial Boards

Systematic Zoology, 1968-1974; Associate Editor, 1975-1982

Philosophy of Science, 1976-present

Evolutionary Theory, 1978-1994

Journal of Classification, 1983-1986

History and Philosophy of the Life Sciences, 1984-1988

Biology & Philosophy, 1985-2001

Cyberus, 1991-present

Evolutionary Trends in Plants, 1986-present

Acta Biotheoretica, 1986-present

Science in Context, 1991-present

Perspectives on Science, 1992-present

Evolution and Cognition, 1994-1995

Journal of Memetics, 1997-present

Selection: Molecules, Genes, Memes, 1999-present

Encyclopedia of Evolution, 1999-present

Encyclopedia of the Life Sciences, 1999-present

Evolutionary Psychology, 2002-present

Editorships

General Editor, Series in the Conceptual Foundations of Science, University of Chicago Press, 1980-2001.

Editor, *Proceedings of the Philosophy of Science Association*

1992, *PSA 1992*, vol. 1, edited by D. Hull, M. Forbes, and K. Okruhlik, East Lansing, MI: Philosophy of Science Association

1993, *PSA 1992*, vol. 2, edited by D. Hull, M. Forbes, and K. Okruhlik, East Lansing, MI: Philosophy of Science Association

1994, *PSA 1994*, vol. 1, edited by D. Hull, M. Forbes, and R. Burian, East Lansing, MI: Philosophy of Science Association

1995, *PSA 1994*, vol. 2, edited by D. Hull, M. Forbes, and R. Burian, East Lansing, MI: Philosophy of Science Association.

Books and Anthologies

1973. *Darwin and His Critics: The Reception of Darwin's Theory of Evolution by the Scientific Community*, Cambridge: Harvard University Press; reprinted 1983, Chicago: University of Chicago Press; extract in *Darwin: A Norton Critical Edition*, 3rd edition by Philip Appleman (2001), pp. 257-264.

1974, *Philosophy of Biological Science*. Englewood Cliffs: Prentice-Hall; translated into Portuguese (1975) and Japanese (1994).

1988, *Science as a Process: An Evolutionary Account of the Social and Conceptual Development of Science*, Chicago: University of Chicago Press; extract in *Darwin: A Norton Critical Edition*, 3rd edition by Philip Appleman (2001), pp. 361-363.

1989, *The Metaphysics of Evolution*. Stony Brook: State University of New York Press.

1992, *How Classifications Works: Nelson Goodman among the Social Sciences* (edited with Mary Douglas). Edinburgh: University of Edinburgh Press.

1998, *Philosophy of Biology* (edited with M. Ruse). Oxford: Oxford University Press.

2001, *Science and Selection: Essays on Biological Evolution and the Philosophy of Science*. Cambridge: Cambridge University Press.

2001, *Selection Theory and Social Construction: The Evolutionary Naturalistic Epistemology of Donald T. Campbell* (edited with Cecilia Heyes), SUNY Press.

2002. *Promises and Limits of Reductionism in the Biomedical Sciences*, (edited with Marc van Regenmortel), Chichester: John Wiley

Papers

- 1964, Consistency and Monophyly, *Systematic Zoology* 13:1-11; reprinted in Hull (1989).
- 1965, The Effects of Essentialism on Taxonomy: Two Thousand Years of Stasis, *The British Journal for the Philosophy of Science* 15:314-326 & 16:1-18; reprinted in *Concepts of Species*, C. N. Slobodchikoff (ed.), Berkeley: University of California Press, 1976; and in *The Units of Selection*, Marc Ereshefsky (ed.), Cambridge: MIT Press, 1992.
- 1966, Phylogenetic Numericlature, *Systematic Zoology* 15:14-17.
- 1966, The Logical Structure of the Linnaean Hierarchy, *Systematic Zoology* 15:97-111 (with Roger Buck).
- 1967, Certainty and Circularity in Evolutionary Taxonomy, *Evolution* 21:174-189.
- 1967, The Metaphysics of Evolution, *The British Journal for the History of Science* 3:309-337; reprinted in *Science of Synthesis* (2000), F. B. Golley and D. R. Keller (eds.), University of Georgia Press, pp. 247-262.
- 1968, The Conflict between Spontaneous Generation and Aristotle's Metaphysics, *Proceedings of the Seventh Inter-American Congress of Philosophy*, Quebec, Canada: Les Presses de l'Universite Laval, 2:245-250.
- 1968, The Operational Imperative: Sense and Nonsense in Operationism, *Systematic Zoology* 17:438-457.
- 1969, What Philosophy of Biology is Not, *Journal of the History of Biology* 2:241-268; and *Synthese* 20:157-184.
- 1970, Systemic Dynamic Social Theory, *The Sociological Quarterly* 11:351-363.
1970. Contemporary Systematic Philosophies, *Annual Review of Ecology and Systematics* 1:19-54; reprinted in *Topics in the Philosophy of Biology*, M. Grene and E. Mendelsohn (eds.), Dordrecht-Holland: D. Reidel, 1976; and in *Conceptual Issues in Evolutionary Biology*, E. Sober (ed.), Cambridge: MIT Press, 1984.
- 1972, Charles Darwin and Nineteenth Century Philosophies of Science, in *Foundations of Scientific Method: The Nineteenth Century*, R. Giere and R. Westfall (eds.), Bloomington, IN: Indiana University Press, pp. 115-132; reprinted in Hull (1989).
- 1972, Reduction in Genetics - Biology or Philosophy? *Philosophy of Science* 39:491-499.
1973. Reduction in Genetics - Doing the Impossible, in *Proceedings of the IVth International Congress of Logic, Methodology and Philosophy of Science*, P. Suppes (ed.), Amsterdam: North-Holland Publishing Company, pp. 619-635.
- 1974, Darwinism and Historiography, *The Comparative Reception of Darwinism*, T. Glick (ed.), Austin, TX: University of Texas Press, pp. 388-402; reprinted by the University of Chicago Press, 1988.
- 1975, Central Subjects and Historical Narratives, *History and Theory* 14:253-274; reprinted in Hull (1989); reprinted 1998 in *Historia y explicación en biología*, Ana Barahona and Sergio Martínez

(eds.), Universidad Nacional Autónoma de México, Fondo de Cultura Económica: Mexico, pp. 247-272.

1976, Are Species Really Individuals? *Systematic Zoology* 25:174-191.

1976, Informal Aspects of Theory Reduction, in *Boston Studies in the Philosophy of Science; PSA 1974*, R. S. Cohen and A. Michalos (eds.), Dordrecht-Holland: D. Reidel, pp. 653-670; reprinted in *Conceptual Issues in Evolutionary Biology*, E. Sober (ed.), Cambridge: MIT Press, 1984.

1977, The Ontological Status of Species as Evolutionary Units, in *Foundational Problems in the Special Sciences*, R. Butts and J. Hintikka (eds.), Dordrecht-Holland: D. Reidel Publishing Company, pp. 91-102; reprinted in *Philosophy and Biology*, M. Ruse (ed.), New York: Macmillan, 1989; and Hull (1989).

1978, Génétique et réductionisme, *La Recherche* 9:220-227.

1978, Altruism in Science: A Sociobiological Model of Cooperative Behavior among Scientists, *Animal Behavior* 26:685-697; reprinted in Hull (1989).

1978, A Matter of Individuality, *Philosophy of Science* 45:335-360; reprinted in *Conceptual Issues in Evolutionary Biology*, E. Sober (ed.), Cambridge, MA: MIT Press, 1984; and in *The Units of Evolution*, M. Ereshefsky (ed.), Cambridge, MA: MIT Press, 1992.

1978, Planck's Principle, *Science* 202:717-723 with P. Tessner and A. Diamond; reprinted in Hull (1989).

1978, Sociobiology: Scientific Bandwagon or Traveling Medicine Show? *Society* 15:50-59; in M. S. Gregory, A. Silvers, and D. Sutch (eds.), *Sociobiology and Human Nature*, Josey-Bass Publishers: San Francisco; reprinted in Hull (1989).

1978, The Sociology of Sociobiology, *New Scientist* 79:862-865.

1979, In Defense of Presentism, *History and Theory* 8:1-15; reprinted in Hull (1989).

1979, The Limits of Cladism, *Systematic Zoology* 28:416-440.

1979, Philosophy of Biology, in *Current Research in Philosophy of Science*, P. D. Asquith and H. E. Kyburg (eds.), East Lansing, MI: Philosophy of Science Association, pp. 421-435.

1979, Teaching at a State University, *Teaching Philosophy* 2:119-121.

1980, Individuality and Selection, *Annual Review of Ecology and Systematics* 11:311-332; reprinted in Hull (1989).

1980, Sociobiology: Another New Synthesis, In G. W. Barlow and J. Silverberg (eds.), *Sociobiology: Beyond Nature/Nurture*, AAAS Selected Symposium, Westview Press: Boulder, CO, pp. 77-96; reprinted in Hull (1989).

1981, Units of Evolution: A Metaphysical Essay, in *The Philosophy of Evolution*, U.J. Jensen and R. Harré (eds.), Brighton, England: The Harvester Press, pp. 23-44; reprinted in *Genes, Organisms, Populations*, R.N. Brandon and R.M. Burian (eds.), Cambridge MA: MIT Press, 1984.

- 1981, Historical Narratives and Integrating Explanations, in *Pragmatism and Purpose: Essays Presented to Thomas Goudge*, L.W. Sumner, J.G. Slater, and F. Wilson (eds.), Toronto, Canada: University of Toronto Press, pp. 172-188.
- 1981, Reduction and Genetics, *The Journal of Medicine and Biology* 6:125-140.
- 1981, The Herd as a Means, *PSA 1980*, Vol. 2, P.D. Asquith and R.N. Giere (eds.), East Lansing, MI: Philosophy of Science Association, pp. 73-92.
- 1981, The Principles of Biological Classification: The Use and Abuse of Philosophy, *PSA 1978*, vol. 2, P.D. Asquith and I. Hacking (eds.), East Lansing, MI: Philosophy of Science Association, pp. 130-153.
- 1982, The Naked Meme, in *Learning, Development, and Culture*, in H.C. Plotkin (ed.), London: John Wiley, pp. 273-327.
- 1982, Biology and Philosophy, *Contemporary Philosophy: A New Survey*, in G. Floistad (ed.), The Hague: Martinus Nijhoff, pp. 281-316.
- 1983, Darwin and the Nature of Science, in *Evolution from Molecules to Men*, D.S. Bendall (ed.), Cambridge: Cambridge University Press, pp. 63-80; reprinted in Hull (1989).
- 1983, Karl Popper and Plato's Metaphor, in *Advances in Cladistics*, vol. 2, N. Platnick and V. Funk (eds.), New York: Columbia University Press, pp. 177-189; reprinted in Hull (1989).
- 1983, Thirty-One Years of Systematic Zoology, *Systematic Zoology* 32:315-342.
- 1983, Exemplars and Scientific Change, *PSA 1982*, vol. 2, P.D. Asquith and T. Nickles (eds.), East Lansing, MI: Philosophy of Science Association, pp. 479-503.
- 1984, Cladistic Theory: Hypotheses that Blur and Grow, in *Cladistics: Perspectives on the Reconstruction of Evolutionary History*, in T. Duncan and T. Steussy (eds.), New York: Columbia University Press, pp. 5-23; reprinted in Hull (1989).
- 1984, Sociobiology: Another New Synthesis, in *Sociobiology: Beyond Nature-Nurture?* W. Barlow and J. Silverberg (eds.), Boulder CO: Westview Press, pp. 77-96; an unabridged version of *The Sociology of Sociobiology*, 1978; reprinted in Hull (1989).
- 1984, Lamarck among the Anglos, An Introduction to Lamarck's *Zoological Philosophy*, Chicago: University of Chicago Press, pp. xi-lxvi.
- 1984, Historical Entities and Historical Narratives, in *Minds, Machines and Evolution*, in C. Hookway (ed.), Cambridge: Cambridge University Press, pp. 17-42.
- 1985, Bias and Commitment in Science: Phenetics and Cladistics, *Annals of Science* 42:319-338.
- 1985, Darwinism as an Historical Entity: A Historiographic Proposal, in *The Darwinian Heritage*, D. Kohn (ed.), Princeton: Princeton University Press, pp. 773-812.
- 1985, Openness and Secrecy in Science: Their Origins and Limitations, *Science, Technology & Human Values* 10:4-13.
- 1985, Linné as an Aristotelian, in *Contemporary Perspectives on Linnaeus*, in J. Weinstock (ed.), Lanham, MD: University Press of American, pp. 37-54.

- 1986, Conceptual Evolution and the Eye of the Octopus, in *Logic, Methodology and Philosophy of Science*, vol. 7, R.B. Marcus, G.J.W. Dorn, and P. Weingartner (eds.), Amsterdam: North-Holland, pp. 643-665; reprinted in Hull (1989).
- 1986, Les fondements épistémologiques de la classification biologique, *L'Ordre et la Diversité du Vivant*, Nouvelle Encyclopédie des Sciences et des Techniques, Ouvrage Coordonné par Pascal Tassy, Fayard: Foundation Diderot, pp. 161-203.
- 1987, Genealogical Actors in Ecological Plays, *Biology & Philosophy* 2:168-203; reprinted in Hull (1989).
- 1988, On Human Nature, in *PSA 1986*, vol. 2, A. Fine and P. Machamer (eds.), East Lansing, MI: Philosophy of Science Association, pp. 3-13; reprinted in Hull (1989) and Hull and Ruse (eds.), *Philosophy of Biology* (1998).
- 1988, Interactors versus Vehicles, in *The Role of Behavior in Evolution*, H. Plotkin (ed.), Cambridge, MA: MIT Press, pp. 19-50; reprinted in Hull (2001).
- 1988, A Mechanism and Its Metaphysics: An Evolutionary Account of the Social and Conceptual Development of Science, *Biology & Philosophy* 3:123-155; translated into Spanish, 1997, in *Epistemologia Evolucionista*, S. F. Martinez and L. Olivé (eds.), Mexico: Paidós, pp. 105-145; reprinted in Hull (2001).
- 1988, A Period of Development: A Response, *Biology & Philosophy* 3:241-263.
- 1988, Progress in Ideas of Progress, in *Evolutionary Progress*, M.H. Nitecki (ed.), Chicago: University of Chicago Press, pp. 27-48.
- 1989, A Function for Actual Examples in Philosophy of Science, in *What Philosophy of Biology Is: Essays for David Hull*, M. Ruse (ed.), Dordrecht, Holland: Kluwer Academic Publishing, pp. 313-324; reprinted in Hull (2001).
- 1989, The Evolution of Phylogenetic Systematics, in *The Hierarchy of Life: Molecules and Morphology in Phylogenetic Analysis*, B. Fernholm, K. Brener, and H. Jörnvall (eds.), Amsterdam: Elsevier Science Publishers, pp. 3-15.
- 1989, *On Being a Scientist*, with F. Ayala, R.M. Adams, M.D. Chilton, G. Holton, K. Patel, F. Press, M. Ruse, and P. Sharp, Washington, D.C.: National Academy of Sciences.
- 1990, Conceptual Selection, *Philosophical Studies* 60:77-87.
- 1990, Particularism in Science, *Criticism* 32:343-359.
- 1990, First Thoughts on the Contrast between the Sciences and the Humanities, *Proceedings of the 1989 Conference on Teaching*, Bryn Mawr College, pp. 171-179.
- 1991, Conceptual Evolution: A Response, in *PSA 1990*, vol. 2, A. Fine, M. Forbes, and L. Wessels (eds.), East Lansing, MI: Philosophy of Science Association, pp. 255-264.
- 1992, An Evolutionary Account of Science: A Critical Notice, *Biology & Philosophy* 7:229-236.
- 1992, The Evolution of Conceptual Systems in Science, *World Futures* 34:67-82; reprinted in Hull (2001).

- 1992, The Particular-Circumstance Model of Scientific Explanation, in *History and Evolution*, M. N. Nitecki and D.V. Nitecki (eds.), Albany, NJ: SUNY Press, pp. 69-80.
- 1992, Biological Species: An Inductivist's Nightmare, in *How Classification Works*, Mary Douglas and David Hull (eds.), Edinburgh: University of Edinburgh Press, pp. 42-68.
- 1993, Testing Philosophical Claims about Science, in *PSA 1992*, vol. 2, D. Hull, M. Forbes and K. Okruhlik (eds.), East Lansing, MI: Philosophy of Science Association, pp. 468-475; reprinted in Hull (2001).
- 1994, Species, Race and Gender: Differences are not Deviations, in *Genes and Human Self-Knowledge: Historical and Philosophical Reflections on Modern Genetics*, R. Wier, S. Lawrence, and E. Fales (eds.), Iowa City: University of Iowa Press, pp. 207-219.
- 1994, Ernst Mayr's Influence on the History and Philosophy of Biology: A Personal Memoir, *Biology & Philosophy* 9:375-386.
- 1995, Die Rezeption von Darwins Evolutionstheorie bei britischen Wissenschaftsphilosophen de 19.Jahrhunderts, in *Die Rezeption von Evolutionstheorien im 19. Jahrhunderts*, Eve-Marie Engels (ed.), Frankfurt: Suhrkamp Verlag, pp. 67-104.
- 1995, La filiation en biologie de l'évolution et dans l'histoire des langues, in *Le paradigme de la filiation*, J. Gayon and J.J. Wunenburger (eds.), Paris: Editions l'Harmattan, pp. 99-119.
- 1995, *The Cambridge Dictionary of Philosophy*, R. Audi (ed.), entries on Darwinism (pp. 177-179), Mechanistic Explanation (pp. 476-477), Gregor Mendel (pp. 480-481) and Teleology (p. 791).
- 1996, Rainbows in Retrospect: L.A.S. Johnson's Contributions to Taxonomic Philosophy, *Telopea* 6:527-539.
- 1996, Why Scientists Behave Scientifically, *MRS Bulletin* 21:72; reprinted in Hull (2001).
- 1996, A Revolutionary Philosopher of Science, *Nature* 382:203-204.
- 1996, The Role of Negative Evidence in Science, *Marine Ecology* 191:305-307.
- 1997, The Ideal Species Definition and Why We Can't Get It, in *Species: The Units of Biodiversity*, M.F. Claridge, H.A. Dawah, and M.R. Wilson (eds.), London: Chapman Hall, pp. 357-380.
- 1997, What's Wrong with Invisible-Hand Explanations? *PSA 1996* vol. 2, L. Darden (ed.), pp. 117-126; reprinted in Hull (2001).
- 1997, That Just Don't Sound Right: A Plea for Real Examples, in *The Cosmos of Science*, J. Earman and J.D. Norton (eds.), Pittsburgh: University of Pittsburgh Press, pp. 428-457; reprinted in Hull (2001).
- 1998, Panglossian Progress, *Evolución y progress*, Barcelona: Tusquets Editores, J. T. Suárez (ed.), pp. 75-94.
- 1998, Species, Subspecies and Races, *Social Research* 65 (2): 351-367.

- 1998, The Role of Biology in Philosophy of Biology, In *1st International Conference on Philosophy of Science*, J. T. Suárez (ed.), Universidade de Vigo, Vigo: Spain, pp. 75-94.
- 1998, Taxonomy, *Routledge Encyclopedia of Philosophy*, 9:272-276.
- 1999, Studying the Study of Science Scientifically, *Perspectives on Science* 6:209-231; reprinted in Hull (2001).
- 1999, On the Plurality of Species: Questioning the Party Line, In *Species New Interdisciplinary Essays*, Rob Wilson (ed.), Cambridge, MA: MIT Press pp. 23-48.
- 1999, Interdisciplinary Dissonance: Ghiselin, Atran and Dupré, In *Folk Biology*, D. J. Medin and S. Atran (eds.), Cambridge, MA: MIT Press, pp. 477-500.
- 1999, The Use and Abuse of Sir Karl Popper, *Biology & Philosophy* 14:481-504.
- 2000, Why Did Darwin Fail? The Role of John Stuart Mill, In *Epistemology and Biology*, R. Creath and J. Maienschein (eds.), Cambridge: Cambridge University Press, pp. 48-63.
2000. The Professionalization of Science Studies: Cutting Some Slack, *Biology & Philosophy*, 15:61-91.
- 2000, Taking Memetics Seriously: Memetics Will Be What We Make It, In *Darwinizing Culture: The Status of Memetics as a Science*, Auger, R. (ed.), Oxford: Oxford University Press, pp. 43-67.
- 2001, A General Analysis of Selection, with Sigrid Glenn and Rod Langman, *Behavioral and Brain Sciences*, 24:511-573, reprinted in Hull (2001).
- 2001, Michael Ruse and his Fifteen Years of Booknotes – For Better or for Worse, *Biology & Philosophy*, 16:423-435.
- 2001, The Role of Theories in Biological Systematics, *Studies in History and Philosophy of Biological and Biomedical Sciences*, 32:221-238.
- 2001, In Search of Epistemological Warrant, in C. Heyes and D. L. Hull (eds.), *Selection Theory and Social Construction: the Evolutionary Naturalistic Epistemology of Donald T. Campbell*, Albany: SUNY Press, pp. 155-167.
- 2002, Recent Philosophy of Biology, *Acta Biotheoretica* 50:117-128
- 2002, Prematurity and Promise: Why Was Stent's Notion of Prematurity Itself So Premature?, *Prematurity on Scientific Discovery*, ed. by E.B. Hook, Prematurity on Scientific Discovery, E.B. Hook (ed.), Berkeley, University of California Press, pp. 329-341.
- 2002, The Success of Science and Social Norms, *History and Philosophy of the Life Sciences*, 23:339-358.
- 2002, Varieties of Reductionism – Derivation and Gene Selection, in by D.L. Hull and M. van Regenmortel (eds.), In *Promises and Limits of Reductionism in the Biomedical Sciences*, John Wiley, Chichester, pp. 161-173.

2002, A Portrait of Biology, In *The Philosophy of Marjorie Grene*, The Library of Living Philosophers, pp. 259-278.

2002. Species, Languages and the Comparative Method, *Selection* 3:17-28.

2002, Recent Philosophy of Biology, *Acta Biotheoretica*, 50:117-128.

2002, Darwin's Science and Victorian Philosophy of Science, *The Cambridge Companion to Darwin*,

2002, Professional Responsibility, *Metaphilosophy*,

2003, The Bad Old Days

Notes and Replies

1967, Definitions of Taxa: A Reply, *Systematic Zoology* 16:349 (with Roger Buck).

1968, The Syntax of Numericulture, *Systematic Zoology* 17:472-474.

1969, The Natural System and the Species Problem, *Systematic Biology*. C.G. Sibley (ed.), Washington, D. C: Publication 1692, National Academy of Sciences, pp. 56-61.

1969, Reply to Gregg, *Systematic Zoology* 18:354-357, with Roger Buck.

1969, Contemporary Logic and Evolutionary Taxonomy: A Reply to Gregg, *Systematic Zoology* 8:347-354, with Paul Snyder.

1969. Reply to Randall and Scott, *Systematic Zoology* 18:468-469.

1970, Morphospecies and Biospecies: A Reply to Ruse, *The British Journal for the Philosophy of Science* 21:280-282.

1973, A Belated Reply to Grüner, *Mind* 72:437-438.

1973, Contemporary Systematic Philosophies: Introduction, *Systematic Zoology* 22:337.

1974, Are the "Members" of Biological Species "Similar"? *The British Journal for the Philosophy of Science* 25:332-334.

1977, History, Philosophy and Sociology of Science, *Forum 1977*, Milwaukee: University of Wisconsin-Milwaukee, pp. 19-23.

1979, Discussion: Reduction in Genetics, *Philosophy of Science* 43:316-320.

1979, Universality and Species Specificity, *The Behavioral and Brain Sciences* 2:38-39.

1979, Philosophical Issues in Systematics, *Systematic Zoology* 28:520.

1981, Discussion: Kitts and Kitts and Caplan on Species, *Philosophy of Science* 48:141-152.

1981, The Essence of Sociobiology, *The Behavioral and Brain Sciences* 4:242-243.

- 1981, Metaphysics and Common Usage, *The Behavioral and Brain Sciences* 4:290-291.
- 1983, Comments on Beatty, *Nature Animated*, M. Ruse (ed.), Dordrecht-Holland: D. Reidel, pp. 101-108.
- 1984, Can Kripke Alone Save Essentialism? *Systematic Zoology* 33:110-112.
- 1988, Introduction to *Entropy, Information, and Evolution*, B.H. Weber, D.J. Depew, and J.D. Smith (eds.), Cambridge: Bradford Books, pp. 1-8.
- 1989, Functional Explanations of Behavior, *Biology & Philosophy* 2:167-169.
- 1990, Foreword to Alvar Ellegard, *Darwin and the General Reader*, Chicago: University of Chicago Press, pp. 1-3.
- 1990, Farris on Haeckel, History and Hull, *Systematic Zoology* 39:397-399.
- 1994, Epilogue: A Panel on the Mass-Extinction Debates, in *The Mass-Extinction Debates: How Science Works in a Crisis*, Wm. Glenn (ed.), pp. 268-286.
- 1995, Taking Vehicles Seriously, *The Behavioral and Brain Sciences* 17:627-628.
- 1996, Foreword to Dennis Chitty, *Do Lemmings Commit Suicide?* New York: Oxford University Press, pp. vii-ix.
- 1999, Strategies in Meme Theory -- Commentary on Rose's Paper: Controversies in Meme Theory, *Journal of Memetics* 3:1-3.
- 2003, Introduction to F. N. Egerton, *Hewett Cottrell Watson: Victorian Plant Ecologist and Evolutionist*, Ashgate: London, pp. xvii-xxi.

Book Reviews

- 1969, Giovanni Blandino, Theories of the Nature of Life (1969), *Systematic Zoology* 18:238-240.
- 1969, Michael Ghiselin, The Triumph of the Darwinian Method (1969), *Systematic Zoology* 18:447-450.
- 1972, William Provine, The Origin of Theoretical Population Genetics (1971), *Systematic Zoology* 21:132-134.
- 1973, Stephen Toulmin, Human Understanding (1972), *Science* 182:1121-1124.
- 1973, Michael Simon, The Matter of Life (1971), *Second Choice* 2:100-108.
- 1974, Michael Ghiselin, The Economy of Nature and the Evolution of Sex (1974), *Systematic Zoology* 23:560-562.
- 1975, Carl Hempel, The Philosophy of Natural Science (1965), Thomas Kuhn, The Structure of Scientific Revolutions (1970), Dudley Shapere, Galileo: A Philosophical Study (1974), *Systematic Zoology* 24:394-401.

- 1975, F.J. Ayala and T. Dobzhansky (eds.), Studies in the Philosophy of Science (1974), *Nature* 257:429.
- 1976, W.W. Wagar, Good Tidings: The Belief in Progress from Darwin to Marcuse (1972), *Theory and Society* 3:146-149.
- 1976, R. Harré (ed.), Problems of Scientific Revolution: Progress and Obstacles to Progress in the Sciences (1975), *Philosophy of the Social Sciences* 6:375-380.
- 1976, H.H. Krebs and J. Shelley (eds.), The Creative Process in Science and Medicine (1975), *The Quarterly Review of Biology* 51:390-291.
- 1976, René Dubois, Beast or Angel? Choices that Make Us Human (1974), *The Bulletin of the Atomic Scientists* 3:46-47.
- 1976, G.E. Russett, Darwin in America: The Intellectual Response (1976), *Nature* 264:144.
- 1976, Peter Singer, Animal Liberation (1975), *Science* 192:680.
- 1977, Michael Ruse, Philosophy of Biology (1973), *The British Journal for the Philosophy of Science* 28:181-194.
- 1977, J. Burchfield, Lord Kelvin and the Age of the Earth (1975), *Systematic Zoology* 26:99-100
- 1977, P.H. Barrett (ed.), The Collected Papers of Charles Darwin (1977), *Philosophy of Science* 44:662-663.
- 1978, M.A. Finocchiaro, History of Science as Explanation (1973), *Clio* 7:335-338.
- 1978, G. Holton, The Scientific Imagination: Case Studies (1978), *American Scientist* 66:638.
- 1978, W. Coleman and C. Limoges (eds.), Studies in the History of Biology (1977), *The Quarterly Review of Biology* 53:45.
- 1978, R.W. Burkhardt, Jr., The Spirit of the System (1977), *Systematic Zoology* 27:248-250.
- 1978, G. Hardin, The Limits of Altruism (1977), *The Bulletin of the Atomic Scientists* 34:53-54.
- 1978, T.H. Clutton-Brock and P.H. Harvey (eds.), Readings in Sociobiology (1978), *The Quarterly Review of Biology* 53:441.
- 1979, L. Laudan, Progress and Its Problems (1977), *Philosophy of the Social Sciences* 9:457-465.
- 1979, W. Coleman and C. Limoges (eds.), Studies in the History of Science (1978), *The Quarterly Review of Biology*, 54:169-170.
- 1979, J.D. Parris, T.H. Huxley: Man's Place in Nature (1978), *Victorian Studies* 23:141-143.
- 1979, R.S. Westfall, The Construction of Modern Science (1971, 1979), *The Quarterly Review of Biology* 54:66.
- 1979, A. Flew, A Rational Animal and Other Philosophical Essays on the Nature of Man (1978), *Isis* 70:278.

- 1979, W. Coleman, Biology in the Nineteenth Century: Problems of Form, Function, and Transformation (1971, 1977), *The Quarterly Review of Biology* 54:67-68.
- 1980, M. Ruse, The Darwinian Revolution: Science Red in Tooth and Claw (1979), *Nature* 284:670-671.
- 1980, E.O. Wilson, On Human Nature (1978), *Environmental Ethics* 2:81-88.
- 1980, E. Nagel, Teleology Revisited and Other Essays in the Philosophy and History of Science (1979), *Isis* 71:656-657.
- 1980, J. Gaston, The Reward System in British and American Science (1978), *Philosophy of Science* 47:160-161.
- 1980, J. Cracraft and N. Eldredge (eds.), Phylogenetic Analysis and Paleontology (1979), *Paleobiology* 6:131-136.
- 1980, Synthese (1980), vol. 43, numbers 1 & 2, *Systematic Zoology* 29:408-412.
- 1980, W. Coleman and C. Limoges (eds.), Studies in History of Biology, vol. 3 (1979), *The Quarterly Review of Biology* 55:170-171.
- 1981, M. Midgley, Beast and Man: The Roots of Human Nature (1978), *Philosophical Review* 90:307-310.
- 1981, H.F. Judson, The Search for Solutions (1980), *The Quarterly Review of Biology* 56:322.
- 1981, J. Greene, Science, Ideology, and World View (1981), *The Quarterly Review of Biology* 57:171-172.
- 1982, A. Kelly, The Descent of Darwin (1981), and D.F. Bratchell, The Impact of Darwin (1981), *4S Newsletter* 7:59-62.
- 1982, D. Ospovot, The Development of Darwin's Theory (1981), *Nature* 295:719.
- 1982, F. Jacob, The Possible and the Actual (1982), *American Scientist* 70:637.
- 1983, J. Browne, The Secular Ark (1983), *Nature* 303:551.
- 1983, P.J. Bowler, The Eclipse of Darwin (1983), *Nature* 306:174-175.
- 1983, P. Kitcher, Abusing Science (1982), *The Quarterly Review of Biology* 306:392-395.
- 1983, J.G. Murphy, Evolution, Morality and the Meaning of Life (1982), *The Quarterly Review of Biology* 58:407-408.
- 1983, M. Ruse, Darwinism Defended (1981), *Isis* 74:106-107.
- 1984, M. Grene (ed.), Dimensions of Darwinism (1983), *Science* 223:923-924.
- 1984, E.O. Wilson, Biophilia (1984), *Nature* 312:205.
- 1984, J. Brooks, Just Before the Origin (1984) and H. Clements, Alfred Russel Wallace (1983), *Nature* 308:798-799.

- 1984, A. Desmond, Archetypes and Ancestors (1982), *Paleobiology* 10:384-388.
- 1985, R.W. Clark, The Survival of Charles Darwin (1984), *Nature* 314:679-680.
- 1985, F. Burkhardt and S. Smith (eds.), The Correspondence of Charles Darwin, vol. 1 (1985), *The Times Higher Education Supplement*, no. 661, p. 19.
- 1986, R. Levins and R. Lewontin, The Dialectical Biologist (1985), *Nature* 320:23-24.
- 1986, L.R. Godfrey, What Darwin Began (1985), *American Scientist* 74:316.
- 1986, P. Kitcher, Vaulting Ambition (1985), *Isis* 77:356-357.
- 1986, D. Depew and B. Weber (eds.), Evolution at the Crossroads (1985), *Isis* 77:128-129.
- 1986, A. Rosenberg, The Structure of Biological Science (1985), *Cladistics* 2:100-104.
- 1986, D. Raup, The Nemesis Affair (1986), *Field Museum of Natural History Bulletin* 57:6-8.
- 1986, M. Rudwick, The Great Devonian Controversy (1985), *Ethics* 97:303.
- 1986, E. Sober, The Nature of Selection (1984), *Ethics* 96:443.
- 1987, S.M. Friedman, S. Dunwoody, and C.L. Rogers (eds.), Scientists and Journalists (1986), *Science* 235:93-94.
- 1987, H. Himsforth, Scientific Knowledge and Philosophic Thought (1986), *History and Philosophy of the Life Sciences* 9:378-379.
- 1987, R. Dawkins, The Blind Watchmaker (1986), *Quarterly Review of Biology* 62:289-292.
- 1988, R.D. Alexander, The Biology of Moral Systems (1987), *Quarterly Review of Biology* 63:55-57.
- 1988, F. Grinnell, The Scientific Attitude (1987), *History and Philosophy of the Life Sciences* 10:173-176.
- 1988, P. Bowler, The Non-Darwinian Revolution (1988), *Science*, 242:1710-1711.
- 1989, The Correspondence of Charles Darwin, 1847-1850, vol. 4, *The Times Literary Supplement*, August 18-24, no. 4, p.892.
- 1989, R. Dawkins, The Selfish Gene, 2nd ed. (1989), *Nature* 343:319-320.
- 1989, P. Corsi, The Age of Lamarck (1988), *Quarterly Review of Biology* 64:474-475.
- 1990, E. Mayr, Toward a New Philosophy of Biology (1988), *Historical Methods* 23:42-45.
- 1990, N.R. Scott-Ram, Transformed Cladistics, Taxonomy, and Evolution (1990), *Systematic Zoology* 39:420-423.
- 1990, E. Sober, Reconstructing the Past (1989), *Isis* 81:808-809.

- 1990, M. Ruse, Philosophy of Biology Today (1988), But Is It Science? (1988), and The Darwinian Paradigm (1989), *Taxon* 25:497-504.
- 1991, R.D. Ryder, Animal Revolution (1989), *Quarterly Review of Biology* 66:69-71.
- 1991, M. Landau, Narratives of Human Evolution (1991), *Science* 252:993-994.
- 1991, N. Rescher, A Useful Inheritance (1990), *Mind* 100:303-305.
- 1991, P.E. Johnson, Darwin on Trial (1991), *Nature* 352:485-486; reprinted in *CTNS Bulletin*, 1992, 12:31-33.
- 1991, S. Atran, Cognitive Foundations of Natural History (1990), *Biology & Philosophy* 6:467-479.
- 1992, L. Lloyd, The Structure and Confirmation of Evolutionary Theory (1988), *Philosophical Review* 101:431-433.
- 1992, R.S. Root-Bernstein, Discovering: Inventing and Solving Problems at the Frontiers of Scientific Knowledge (1989), *Biology & Philosophy* 7:501-505.
- 1992, H. Cronin, The Ant and the Peacock (1992), *Nature* 356:623-624.
- 1992, F. Grinnell, The Scientific Attitude (1992), *Current Contents* 24:5-10.
- 1993, D. Lamb, New Horizons in the Philosophy of Science (1992), *History and Philosophy of the Life Sciences* 15:261.
- 1993, G. Meyers, Writing Biology: Texts in the Social Construction of Scientific Knowledge (1990), *Philosophy of the Social Sciences* 23:379-385.
- 1993, F. Wilson, Empiricists and Darwin's Science (1991) *History and Philosophy of the Life Sciences* 15:94-96.
- 1993, K.R. Dronamraja, If I am to Be Remembered (1993) and C.K. Waters and A. Van Heldon (eds.), Julian Huxley (1992), *Science* 262:1079-1080.
- 1993, S. Cole, Making Science: Between Nature and Society (1992), *American Journal of Sociology* 99:105-112.
- 1994, P. Griffiths (ed.), Trees of Life: Essays in Philosophy of Biology (1992), *Biology & Philosophy* 9:105-112.
- 1994, J.R. Brown, Smoke and Mirrors (1994) and B. Latour, We Have Never Been Modern (1993), *Nature* 368:504-505.
- 1994, R. Mohr, Gay Ideas (1992), *Ethics* 105:20-21.
- 1994, J. Dupré, The Disorder of Things: Metaphysical Foundations of the Disunity of Science (1993), *Philosophical Review* 103:701-705.
- 1994, M.B. Adams (ed.), The Evolution of Theodosius Dobzhansky: Essays on His Life and Thought in Russia and America (1994), *Science* 266:1589-1590.

- 1994, P. Kitcher, The Advancement of Science (1993), *Isis* 85:554-555.
- 1994, P. Bowler, Darwinism (1993), *The Quarterly Review of Biology* 69:385-386.
- 1994, G. Holton, Science and Anti-Science (1993), *The Quarterly Review of Biology* 69:491-493.
- 1995, H. Collins and T. Pinch, The Golem (1993), *Philosophy of Science* 62:487-488.
- 1995, M. Bradie, The Secret Chain (1994), *History and Philosophy of the Life Sciences* 17:21-22.
- 1996, D. Dennett, Darwin's Dangerous Idea (1995), *Ethics* 107:170-174.
- 1997, M. Ruse, Monad to Man (1997), *Nature* 385:497-498.
- 1997, S. LeVay, Queer Science (1996), *The Quarterly Review of Biology* 72:233.
- 1997, M. Grene, A Philosophical Testament (1995), *Philosophy of Science* 64:187-188.
- 1997, A.I. Tauber, The Immune Self: Theory of Metaphor (1994), *International Studies in Philosophy* 29 (4): 145-146.
- 1998, A Clash of Paradigms or the Sound of One Hand Clapping, G. Webster and B. Goodwin, Form and Transformation (1996), *Biology & Philosophy* 13:587-595.
- 1998, Scientists Behaving Badly, D. J. Kevles, The Baltimore Case: A Trial of Politics, Science, and Character (1998), *The New York Review of Books*, 45:24-30.
- 1998, T. Murphy, Gay Science: The Ethics of Sexual Orientation Research (1997), *The Quarterly Review of Biology* 73:390-391.
- 1998, A. O'Hear, Beyond Evolution: Human Nature and the Limits of Evolutionary Explanation (1997), *British Journal for the Philosophy of Science* 49:511-514.
- 1999, A. Brown, The Darwin Wars: How Stupid Genes Became Selfish Gods (1999), *Nature* 398:385.
- 1999, M. Ruse, Mystery of Mysteries: Is Evolution Social a Construction? (1999), *Science* 284:1131-1132; reprinted in *Jurimetrics* 40:269-274.
1999. S. Sarkar, Genetics and Reductionism (1998), *Endeavor* 23:87-88.
- 1999, J. Gayon, Darwinism's Struggle for Survival: Heredity and the Hypothesis of Natural Selection, *Journal of the History of Biology* 32:413-415.
- 2000, H. Rose and S. Rose (eds.), Alas Poor Darwin: Arguments against Evolutionary Psychology, (2000), *Nature* 406:124-125,
- 2000, U. Segerstrale, Defenders of the Truth: The Battle for Science in the Sociobiology Debate and Beyond (2000), *Nature* 407:673-674.
2001. J. A. Secord, Victorian Sensation: The Extraordinary Publication, Reception, and Secret Authorship of Vestiges of the Natural History of Creation (2001), *Science* 291:833-834.

2001. J. Ziman, Real Science: What It Is, and What It Means (2000), *Nature* 411:134-135.
2001. R. L. Numbers and J. Stenhouse, Disseminating Darwinism: The Role of Place, Race, Religion, and Gender (1999), *Journal of the History of Biology* 33:592-594.
2002. Marc Erechesfsky, The Poverty of the Linnaean Hierarchy (2001), *BioScience* 52:299-303.
2002. James G. Lennox, Aristotle's Philosophy of Biology (2001), *History and Philosophy of the Life Sciences* 23:517-518.
2002. Evelyn Fox Keller, Making Sense of Life (2002), *American Scientist* 90:478-479.
2002. J. Hey, Genes, Categories and Cognitive Causes of the Species Problem, *Evolution* 56:426-428.
- 2002, D. Wasserman and R. Wachbroit (eds.), Genetics and Criminal Behavior, *Ethics* 113:185-187.
2002. S. Pinker, The Blank Slate (2002), *Nature* 419-251-252.
2002. S. J. Gould, The Structure of Evolutionary Theory, *BioScience* 52:837-841.

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