

Curriculum Vitae (brief)

ROBERT JOHN RUSSELL

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EDUCATION

Ph.D. (Physics). University of California, Santa Cruz. 1978.
M.A. (Theology). Pacific School of Religion, Berkeley. 1972.
B.D. *Magna cum Laude*. Pacific School of Religion, Berkeley. 1972.
M.S. (Physics). University of California, Los Angeles. 1970.
B.S. (Physics; minor in music and religion). Stanford University. 1968.

PRESENT POSITIONS

The Ian G. Barbour Professor of Theology and Science
In Residence, The Graduate Theological Union, Berkeley, 2006- present.

Founder and Director
The Center for Theology and the Natural Sciences, Berkeley. 1981-present.

PRIOR POSITIONS

Professor of Theology and Science
In Residence, The Graduate Theological Union, Berkeley. 1991-2006.

Associate Professor of Theology and Science
In Residence, The Graduate Theological Union, Berkeley. 1986-1991.

Assistant Professor of Theology and Science
The Graduate Theological Union, Berkeley. 1982-1985.

Visiting Adjunct Professor of Theology and Science
The Jesuit School of Theology, Berkeley. September 1981-June 1982.

Assistant Professor of Physics
Carleton College, Northfield, Minnesota. September 1978-June 1981.

PRIZES

PCRS/Templeton Grant for Research, Writing and Publication: To support research on the project: *Time in Eternity: Theology and Science in Mutual Interaction* (now under contract with the University of Notre Dame Press).

Prize for Outstanding Books in Theology and Science, co-editor, *Chaos and Complexity: Scientific Perspectives on Divine Action* (1995).

Prize for Exemplary Papers in Humility Theology, *Finite Creation Without A Beginning*, 1992.

HONORS

Alum of the Year, Pacific School of Religion, 1999

Judge, The Templeton Prize for Progress in Religion, 1994-1997

Judge, CTNS Science and Religion Course Prize, 1994-95; 2000-2001

Judge, Q&E Prize for Science and Religion Courses, 1998

Judge, FASE Essays, 1997

Judge, Exemplary Essays, 1996, 1997

DISTINGUISHED LECTURE AND FACULTY APPOINTMENTS

D. Perry and Betty Ginn Lecturer, McAfee School of Theology, Mercer University, Atlanta, September, 2009

2008 John Calvin McNair Lecture in Science and Theology, St. Andrews Presbyterian College, October, 2008

Inaugural Lecture, The McIntyre Lecture in History and Philosophy of Science, Wheaton College, March, 2008

Inaugural Lecture, The Ian G. Barbour Lectureship in Religion and Modernity, Carleton College, January, 2008

Plenary Lecturer, Buddhist - Christian Conference on Science and Religion, Ryukoku University, Kyoto, Japan, 2005

Winslow Lecturer, Allegheny College, 2005

Goshen College Fifth Annual Conference on Religion and Science Special Lecturer, 2005

Religion in Life Week Lecturer, Hastings College, 2005

Plenary Lecturer, Buddhist - Christian Conference on Science and Religion, Ryukoku University, Kyoto, Japan, 2004

Witherspoon Lecturer, 2004

Center of Theological Inquiry, January 29, 2004

GTU Distinguished Lecturer, 2002

Graduate Theological Union

Plenary Lecturer, Rediscovering Cosmos

Syracuse University, August, 1997

Keynote Lecturer, First Australian Conference on Science and Theology

Institute for the Study of Christianity in an Age of Science and Technology, Sydney, July, 1997

Lecturer, Gustavus Adolphus College Nobel Conference

30 Years of Space Exploration, October, 1997

Lecturer, Killeen Chair of Theology and Philosophy

St. Norbert College, De Pere, Wisconsin, October, 1997

Lecturer, Templeton/ASA Lecture Series, Fall 1994; Fall, 1996; Spring 1997

Faculty Lecturer, University of St. Thomas, March, 1995

Lecturer, Albertus Magnus Lectures

The Newman Center and The New Oxford Review, California Institute of Technology, October, 1991

Faculty for CTNS Program in Continuing Education, Summer Schools, 1991-1994

Faculty for Templeton Science and Religion Course Program Introductory and Advanced Workshops, 1994-present

Faculty member of Core Research Team, *Theological and Ethical Implications of the Human Genome Initiative*, CTNS research supported by the National Institutes of Health, 1991-1994

Lecturer, Staley Distinguished Christian Scholar and Lecturer

Maryville College, Tennessee, February 1991

Theologian In Residence

The College of Wooster, Ohio, January 1990

Faculty member, Whitehead and Relativity Research Group, The Center for Process Studies, Claremont, California, 1988-1994

Lecturer, Annual George Hitching Terriberry Memorial Lectures

Tulane University, New Orleans, Louisiana, September 1988

University Lecturer and Beth Anne Harnish Memorial Lecturer

University Religious Center and California State University, Fresno, March 1988

Visiting Lecturer

Lutheran School of Theology at Chicago, Fall 1986

EDITORIAL APPOINTMENTS

Founding Co-Editor

Theology and Science (2003 -), a refereed journal published quarterly by Francis and Taylor and co-edited with Ted Peters.

Founding Editor

CTNS Bulletin (1982 - 2002)

General Editor

Series on *Scientific Perspectives on Divine Action*, jointly published by the Vatican Observatory and CTNS (1993-2001)

Book Review Editor

Zygon: Journal of Religion and Science (1985-1988)

Editorial Advisory Board

Zygon: Journal of Religion and Science (1985-present)

Board of Editorial Advisors

Theology and the Sciences Series, Fortress Press

PROGRAM LEADERSHIP

Planning Committee and General Editor, CTNS / Vatican Observatory Research Collaboration, 1990 - present

Principal Investigator, CTNS STARS: Science and Transcendence: Advanced Research Series, 2005-present

Principal Investigator, CTNS Science and Religion Course Program, 1998 - 2002

Principal Investigator, CTNS Science and the Spiritual Quest, 1996-1998; Senior Advisor, CTNS SSQ2, 1999-2003

Principal Investigator, Science and Religion Course Program at CTNS, 1995-1996

Innovator and Director, Prizes for Outstanding Books in Theology and the Natural Sciences, 1995-1996

Innovator and Director, CTNS-Templeton Annotated Bibliography on the Relationship between the Physical Sciences and Spirituality, 1995

Innovator and Director, CTNS-Templeton Annotated Bibliography Database Analysis Project, 1995

ADVISORY BOARDS

Board of Directors, CTNS (1982 - present)

Executive Committee, International Society for Science and Religion (ISSR) (2008-present)

Board of Advisors, John Templeton Foundation (HTIC) (1992-1998; 1999-2002; 2004-2006)

Consultant, Committee on Technology and Values, National Conference of Catholic Bishops (1990-1995)

SERVICE APPOINTMENTS

GTU Co-Convener, Area III: Systematic and Philosophical Theology (academic year 2002-2003)
(includes Doctoral Council and GTU Admissions Committee)

GTU Dean's Search Committee (Fall 2001)

GTU Convener, Area III: Systematic and Philosophical Theology and Philosophy of Religion (Spring 1996)
(includes Doctoral Council and GTU Admissions Committee)

External Reviewer, Theology and Science Group, American Academy of Religion, 1992

ORDINATION

United Church of Christ, Congregational: Specialized Ministry to Higher Education. June 1978.

4-Way Ministerial Covenant with CTNS; The First Congregational Church, Berkeley; and the Bay Association of the United Church of Christ.

PUBLICATIONS

Theology and Science

Books

Time in Eternity: Eschatology and Cosmology in Mutual Interaction. (Notre Dame: University of Notre Dame, anticipated 2010).

Science, Philosophy and Divine Action. LeRon Shults, Nancey Murphy and Robert John Russell, eds. (Brill: 2009).

The Evolution of Evil. Gaymon Bennett, Martinez J. Hewlett, Ted Peters, and Robert John Russell, eds. (Vandenhoeck & Ruprecht, 2008).

Cosmology from Alpha to Omega: Theology and Science in Creative Mutual Interaction (Collected Writings in Theology and Science 1982-2007). (Minneapolis: Fortress Press, 2008).

Physics and Cosmology: Scientific Perspectives on the Problem of Natural Evil. Nancey Murphy, Robert John Russell, and William R. Stoeger, S. J., eds. (Vatican City State: Vatican Observatory Publications; Berkeley: Center for Theology and the Natural Sciences, 2007). Distributed in the U.S. by University of Notre Dame Press.

Scientific Perspectives on Divine Action: Twenty Years of Problems and Progress. Robert John Russell, Nancey Murphy, and William R. Stoeger, S. J., eds. (Vatican City State: Vatican Observatory Publications, and Berkeley, The Center for Theology and the Natural Sciences, 2007). Distributed in the U.S. by University of Notre Dame Press.

Cosmology, Evolution, and Resurrection Hope: Theology and Science in Creative Mutual Interaction, Proceedings of the Fifth Annual Goshen Conference on Religion and Science. Carl s. Helrich, ed. (Pandora Press, 2006).

Fifty Years in Science and Religion: Ian G. Barbour and His Legacy. Robert John Russell, ed. (Ashgate Publications: 2004).

Resurrection: Theological and Scientific Assessments. Ted Peters, Robert John Russell, and Michael Welker, eds. (Grand Rapids: Eerdmans Publishing Company, 2002).

Science and the Spiritual Quest: New Essays by Leading Scientists. W. Mark Richardson, Robert John Russell, Philip Clayton and Kirk Wegter-McNelly, eds. (London: Routledge, 2002).

Quantum Physics: Scientific Perspectives on Divine Action. Robert John Russell, Philip Clayton, Kirk Wegter-McNelly, and John Polkinghorne, eds. (Vatican City State: Vatican Observatory Publications, and Berkeley, The Center for Theology and the Natural Sciences, 2002). Distributed in the U.S. by University of Notre Dame Press.

The Neurosciences and the Person: Scientific Perspectives on Divine Action. Robert John Russell, Nancey Murphy, Theo Meyering and Michael Arbib, eds. (Vatican City State: Vatican Observatory Publications, and Berkeley: The Center for Theology and the Natural Sciences, 1999). Distributed in the U.S. by University of Notre Dame Press.

Evolution and Molecular Biology: Scientific Perspectives on Divine Action. Robert John Russell, William R. Stoeger, S. J. and Francisco J. Ayala, eds. (Vatican City State: Vatican Observatory Publications, and Berkeley: The Center for Theology and the Natural Sciences, 1998). Distributed in the U.S. by University of Notre Dame Press.

Chaos and Complexity: Scientific Perspectives on Divine Action. Robert John Russell, Nancey Murphy and Arthur R. Peacocke, eds. (Vatican City State: Vatican Observatory Publications, and Berkeley: The Center for Theology and the Natural Sciences, 1995). Distributed in the U.S. by University of Notre Dame Press.

Quantum Cosmology and the Laws of Nature: Scientific Perspectives on Divine Action. Robert John Russell, Nancey Murphy and C.J. Isham, eds. (Vatican City State: Vatican Observatory Publications, and Berkeley: The Center for Theology and the Natural Sciences, 1993). Distributed in the U.S. by University of Notre Dame Press.

John Paul II on Science and Religion: Reflections on the New View from Rome. Robert John Russell, William Stoeger, S.J., and George Coyne, S.J., eds. (Vatican City State: Vatican Observatory, 1990). Distributed in the U.S. by University of Notre Dame Press.

Physics, Philosophy and Theology: A Common Quest for Understanding. Robert John Russell, William Stoeger, S. J., and George Coyne, S.J., eds. (Vatican City State: Vatican Observatory, 1988). Distributed in the U.S. by University of Notre Dame Press.

Books in Translation: *Physics, Philosophy and Theology*

Spanish translation by Juan José Blásquez-Ortega, Alejandro González Sánchez and Eugenio Urrutia Albisua (Mexico: UPAEP, 2002).

Arabic translation by Dr. Homaoun Hemmati (Tehran, Iran: Institute for Humanities and Cultural Studies, 2006).

Essays / Chapters in Books, Dictionaries, Encyclopedias

"Does *The God Who Acts* Really Act? Divine Action and Contemporary Science," *Cambridge Dictionary of Christian Theology*, Ian McFarland, David Fergusson, Karen Kilby, and Iain Torrance, eds. (scheduled for publication in the summer, 2010).

"The Bodily Resurrection of Jesus as a First Instantiation of a New Law of the New Creation: Wright's Visionary New Paradigm in Dialogue with Physics and Cosmology," *From Resurrection to Return: Perspectives from theology and science on Christian eschatology*, James Haire, Christine Ledger and Stephen Pickard, eds. (Adelaide: ATF PACT Series, 2007).

"Physics, Cosmology and the Challenge to Consequentialist Natural Theodicy," in *Physics and Cosmology: Scientific Perspectives on Natural Evil*, Robert John Russell Nancey Murphy, William R. Stoeger, S.J., eds. (Vatican City State: Vatican Observatory Publications, and Berkeley: Center for Theology and the Natural Sciences, 2007).

"Problems and Progress: An Overview of the CTNS/VO series", *Scientific Perspectives on Divine Action: Twenty Years of Problems and Progress*. Robert John Russell, Nancey Murphy, and William R. Stoeger, S. J. eds. (Vatican City State: Vatican Observatory Publications, and Berkeley, The Center for Theology and the Natural Sciences, 2007). Distributed in the U.S. by University of Notre Dame Press.

"Arthur Peacocke on Method in Theology and Science and His Model of the Divine / World Interaction: An Appreciative Assessment," in *All That Is: A Naturalistic Faith for the Twenty-First Century*, Arthur Peacocke (edited by Philip Clayton) (Minneapolis: Fortress Press, 2007), 140-51.

"Quantum Physics and the Theology of Non-Interventionist Objective Divine Action," *Oxford Handbook of Religion and Science*, Philip Clayton, ed.; Zachary Simpson, associate ed. (Oxford University Press, 2006), 579-595.

"Scientific Cosmology, Philosophy and Theology: Perspectives on their Fruitful Interaction," *Journal of the Korean Institute for Advanced Theological Studies* (2006).

"Cosmology and Eschatology," *Oxford Handbook of Eschatology*, Jerry Walls, ed. (2006).

"Eschatology and Scientific Cosmology: From Conflict to Interaction," *What God Knows: Time, Eternity and Divine Knowledge*, Harry Lee Poe and J. Stanley Mattson, eds. (Waco, TX: Baylor University Press: 2006).

"How should religion and science be creatively related? A Christian perspective," Ryusei Takeda, ed. (Kyoto, Japan: Ryukoku University, 2005), 5-34.

"Beyond Dialogue: Toward a Mutual Transformation of Christianity, Buddhism and the Natural Sciences," Ryusei Takeda, ed. (Kyoto, Japan: Ryukoku University, 2005), 71-100.

"Fruitful Interactions between Scientific Cosmology and Christian Theology," *Faithful/Fateful Encounters: Religion and Cultural Exchanges between Asia and the West*, Selected Papers and Presentations from the Graduate Theological Union / Chinese Academy of Social Sciences Beijing, October 21-26, 2002, Judith Berling, Philip Wickeri, et. al., eds. (2005).

"Science and Spirituality," *Blackwell Companion to Christian Spirituality*, Arthur Holder, ed. (Oxford: Blackwell, 2005).

"Natural theodicy in an evolutionary context: the need for an eschatology of new creation," *Theodicy and Eschatology*, Bruce Barber and David Neville, Task of Theology Today, V (Adelaide: Australian Theological Forum Press, 2005).

"Science and Spirituality," *SCM Dictionary of Christian Spirituality*, Philip Sheldrake, ed. (SCM Press, 2004).

“The Contributions of the Natural Sciences for the Academic Discipline of Christian Spirituality,” in *Exploring Christian Spirituality: Essays in honor of Sandra M. Schneiders, I. H. M.*, Bruce H. Lescher and Elizabeth Liebert, SNJM, eds. (New York: Paulist Press, 2004).

“Science” by Robert John Russell and Kirk Wegter-McNelly, *The Blackwell Companion to Modern Theology*, Gareth Jones, ed. (Oxford: Blackwell Publishing, 2004), Ch. 32, p. 512-556.

“Introduction,” “Ian Barbour’s Methodological Breakthrough: Creating the ‘Bridge’ for Science and Theology,” and “Barbour’s Assessment of the Philosophical and Theological Implications of Physics and Cosmology” in *Fifty Years in Science and Religion: Ian G. Barbour and His Legacy*, Robert John Russell, ed. (Ashgate Publications: 2004).

“Relativity,” in *Religion in Geschichte und Gegenwart (RGG⁴)*, 2004).

“Sin, Salvation, and Scientific Cosmology: is Christian Eschatology Credible Today?,” *Task of Theology Today, IV*, Duncan Reid and Mark Worthing, eds. (Australian Theological Forum Press: 2003).

“When Time Meets Eternity: Theology and Science in Mutual Creative Interaction,” proceedings, C. S. Lewis Conference 2002 (2003).

“Causality”, “Contingency”, and “Complementarity” for *Religion in Geschichte und Gegenwart (RGG⁴)*, 2003).

“Special Providence and Genetic Mutation: A New Defense of Theistic Evolution”, *Perspectives on an Evolving Creation*, Keith Miller, ed. (Grand Rapids: William B Eerdmans Publishing Company, 2003).

“Theology and Science: Current Issues and Future Directions,” co-authored with Kirk Wegter-McNelly, *Blackwell Companion to Modern Theology* (Blackwell, 2003).

“Bodily Resurrection, Eschatology and Scientific Cosmology: The Mutual Interaction of Christian Theology and Science,” in *Resurrection: Theological and Scientific Assessments*, Ted Peters, Robert John Russell, and Michael Welker, eds. (Grand Rapids: Eerdmans, 2002).

“Eschatology and Physical Cosmology” in *The Far Future: Eschatology from a Cosmic Perspective*, George F. R. Ellis, ed. (Philadelphia: Templeton Press, 2002).

“Forward”, “Methodology in Science and Religion,” in *Bridging Science and Religion*, Ted Peters and Gaymon Bennett, eds. (London: SCM Press, 2002). Also in the Chinese-language edition in simplified characters with Kang Phee Seng as a co-editor, in Chinese-language edition in traditional characters, a Portuguese-language edition, a Spanish-language edition, and a Bahasa-language edition.

“Introduction” and “Divine Action and Quantum Mechanics: A Fresh Assessment,” in *Quantum Physics: Scientific Perspectives on Divine Action*. Robert John Russell, Philip Clayton, Kirk Wegter-McNelly, and John Polkinghorne, eds. (Vatican City State: Vatican Observatory Publications, and Berkeley, The Center for Theology and the Natural Sciences, 2002).

“Dialogo Science-Teologia, Metodo e Modelli”, translation of Part 1, “Theology and Science: Current Issues and Future Directions,” extended version, in *Dizionario Interdisciplinare di Scienze e Fede*, Giuseppe Tanzella-Nitti, ed. (Città del Vaticano: Urbaniana University Press, 2002).

“The Doctrine of Creation out of Nothing in Relation to Big Bang and Quantum Cosmologies,” *The Human Search for Truth: Philosophy, Science, Theology*, International Conference on Science and Faith / Jubilee for Scientists, Rome (Philadelphia: Saint Joseph’s University Press, 2002).

“Life in the Universe: Philosophical and Theological Issues,” *First Steps in the Origin of Life in the Universe*, proceedings, Sixth Trieste Conference on Chemical Evolution, Julian Chela-Flores, Tobias Owen and François Raulin, eds. (Dordrecht: Kluwer Academic Publishers, 2001).

“What are Extraterrestrials Really Like?,” *God for the 21st Century*, Russell Stannard, ed. (Philadelphia: Templeton Foundation Press, 2000).

- “Introduction” and “Special Providence and Genetic Mutation: A New Defense of Theistic Evolution,” in *Evolution and Molecular Biology: Scientific Perspectives on Divine Action*. Robert John Russell, William R. Stoeger, S.J., and Francisco J. Ayala, eds. (1998).
- “How should religion and science be creatively related? A Christian perspective”, Conference Proceedings, Ryukoku University, Kyoto (1997); *Hindu-Christian Studies Bulletin* (1997).
- “Philosophy, Theology and Cosmology: A Fresh Look at their Interactions”, Padre Eligio, Giulio Giorello, Gioachino Rigamonti, Elio Sindoni, eds., *Scienze, Filosofia e Teologia di Fronte alla Nascita dell’Universo* (Como: Edizioni New Press, 1997).
- “The God Who Infinitely Transcends Infinity: Insights from Cosmology and Mathematics into the Greatness of God,” *How Large is God?*, John Marks Templeton and Robert L. Herrmann, eds. (Philadelphia: Templeton Foundation Press, 1997). Also in Russian: *Dialogue between Science and Religion: Western and Eastern Christian Approaches* (Moscow, 2002).
- “t=0: Is it Theologically Significant?” in *Religion and Science: History, Method, Dialogue*, W. Mark Richardson and Wesley J. Wildman, eds. (New York: Routledge, 1996).
- “Introduction” and “Chaos: A Mathematical Introduction with Philosophical Reflections” with Wesley J. Wildman in *Chaos and Complexity: Scientific Perspectives on Divine Action*. Robert John Russell, Nancy Murphy and Arthur R. Peacocke, eds. (1995).
- “Cosmology: Evidence for God or Partner for Theology?” in *Evidence of Purpose: Scientists Discover the Creator*, John Marks Templeton, ed. (New York: Continuum, 1994).
- “Christian Discipleship and the Challenge of Physics: Formation, Flux, and Focus,” The George Hitching Terriberly Memorial Lecture, in *Reasoned Faith: Essays on the Interplay of Faith and Reason*, Frank T. Birtel, ed. (New York: Crossroad, 1993), 25-55.
- “Introduction” and “Finite Creation without a Beginning: The Doctrine of Creation in Relation to Big Bang and Quantum Cosmologies” in *Quantum Cosmology and the Laws of Nature: Scientific Perspectives on Divine Action*. Robert John Russell, Nancy Murphy and C.J. Isham, eds. (1993).
- “Theological Implications of Artificial Intelligence,” *The Science and Theology of Information*, C. Wasserman, R. Kirby and B. Rordorff, eds. (Editions Labor et Fides, 1992).
- “Cosmology,” *New Handbook of Christian Theology*, Donald W. Musser and Joseph L. Price, eds. (Nashville, Abingdon Press, 1991).
- “Theological Implications of Physics and Cosmology,” *The Church and Contemporary Cosmology*, James B. Miller and Kenneth E. McCall, eds. (Pittsburgh: Carnegie Mellon University Press, 1990).
- “Cosmology, Creation and Contingency,” *Cosmos and Creation*, Ted Peters, ed. (Nashville: Abingdon Press, 1989).
- “Agenda for the Twenty-First Century,” *The New Faith-Science Debate*, John Mangum, ed. (Fortress Press: Minneapolis and WCC Publications: Geneva, 1989).
- “Quantum Physics in Philosophical and Theological Perspective,” *Physics, Philosophy and Theology: A Common Quest for Understanding*, Robert John Russell, William Stoeger, S. J., and George Coyne, S.J., eds. (1988).
- “Technology, Ethics and Education in a Global Perspective,” *Theological Education for the Future*, Guy Fitch Lytle, ed. (Ohio: Forward Movement Publications, 1988).
- “Whitehead, Einstein and the Newtonian Legacy,” *Newton and the New Direction in Science*, George V. Coyne, S.J., Michael Heller, and Jozef Zycinski, eds. (Citta Del Vaticano: Specola Vaticana, 1988).
- “Evolutionary Understanding of Humanity and the Problem of Evil: Biological Evolution, Thermodynamics and the Problem of Evil,” *Kooperation und Wettbewerb*, Hans May, Meinfried Striegnitz and Philip Hefner, eds. (Rehberg-Loccum, West Germany: Evangelische Akademie Loccum, 1988).

“The Meaning of Causality in Contemporary Physics,” *Free Will and Determinism*, Viggo Mortensen and Robert C. Sorensen, eds. (Aarhus: Aarhus University Press, 1987).

“A Response to David Bohm's `Time, The Implicate Order and Pre-Space,’” *A Physics and the Ultimate Significance of Time*, David R. Griffin, ed. (State University of New York Press, Albany, 1986).

“Foundations in Physics for Revising the Christian Creation Tradition,” with A. Dufner, S. J., *Cry of the Environment: Rebuilding the Christian Creation Tradition*, Philip N. Joranson and Ken Butigan, eds. (Bear & Co.: Santa Fe, 1984).

Essays in Journals

“Cosmology from Alpha to Omega: Response to Reviews,” *Zygon: Journal of Religion and Science* (to appear in 2010).

“Response to Gregory Peterson”, *Conversations in Religion and Theology* (2009).

"Five Key Topics on the Frontier of Theology and Science Today," *Dialog: A Journal of Theology* 46.3, Fall (2007): 199-207.

“Fruitful Interactions between Scientific Cosmology and Christian Theology,” *Korean Institute for Advanced Theological Studies Theological Journal* Vol. 2.2 (Fall 2006).

“Evolution and Christian Faith: Response to Cardinal Schönborn’s concern over evolution” in *America, The National Catholic Weekly*, Vol. 194, No. 6 (February 20, 2006).

“Five Attitudes towards Nature and Technology from a Christian Perspective,” *Theology and Science* 1.2 (October, 2003): 149-159.

Editorial: “Bridging Theology and Science: The CTNS Logo,” *Theology and Science* 1.1 (April, 2003): 1-3.

“Beyond Dialogue: Buddhism, Christianity and Science in Mutual Modification” (to appear in *Zygon: Journal of Religion and Science*).

“The Relevance of Tillich for the Theology and Science Dialogue,” *Zygon: Journal of Religion & Science* 36.2 (June 2001).

“Did God Create Our Universe? Theological Reflections on the Big Bang, Inflation, and Quantum Cosmologies,” in *Annals of the New York Academy of Sciences*, vol. 950: *Cosmic Questions*, J. B. Miller, ed. (New York: New York Academy of Sciences, 2001).

“Time in Eternity: Special Relativity and Eschatology”, in *Dialog: A Journal of Theology* 39.1 (Spring 2000).

“Theology and Science: Current Issues and Future Directions,” extended version, available on the CTNS website and on a CD from Counterbalance. (2000)

“How the Heavens Have Changed!”, *Ad Astra: The Magazine of the National Space Society* (November/December, 1998) and *CTNS Bulletin* 19.3 (Summer 1999).

“Does Creation Have a Beginning?” in *Dialog: A Journal of Theology* (Summer 1997).

“Does the `God Who Acts’ Really Act? New Approaches to Divine Action in Light of Science” in *Theology Today* (April 1997).

“Religion and the Theories of Science; Response to Barbour,” *Zygon: Journal of Religion and Science*. Vol. 31, No. 1 (March 1996).

“Cosmology from Alpha to Omega,” *Zygon: Journal of Religion and Science*. Vol. 29, No. 4 (December, 1994).

“Finite Creation Without A Beginning,” *The Way: Contemporary Christian Spirituality*. Vol. 32, No. 2 (October 1992).

“Contemplation: A Scientific Context,” *Continuum*. Vol. 2, Nos. 2 and 3.

“The Human Genome Project: What Questions Does It Raise for Theology and Ethics?” with Ted Peters. *Midwest Medical Ethics*. Vol. 8, No. 1 (Summer 1992).

- “The Theological-Scientific Vision of Arthur Peacocke,” *Zygon*. Vol. 26, No. 4 (December 1991).
- “Theological Lessons from Cosmology: Two Case Studies,” *Cross Currents: Religion & Intellectual Life*. Vol. 41, No. 3 (Fall 1991).
- “Contemplation in the Vibrant Universe: The Natural Context of Christian Spirituality,” *CTNS Bulletin*. Vol. 11, No. 4 (Autumn 1991).
- “Christian Discipleship and the Challenge of Physics: Formation, Flux, and Focus,” *Perspectives on Science and Christian Faith*. Vol. 42, No. 3 (September 1990). Also *CTNS Bulletin*. Vol. 8, No. 4 (Autumn 1988).
- “The Thermodynamics of `Natural Evil,’” *CTNS Bulletin*. Vol. 10, No. 2 (Spring 1990).
- “Bread of Life: A Communion Meditation,” *CTNS Bulletin*. Vol. 9, No. 3 (Summer 1989).
- “Contingency in Physics and Cosmology: A Critique of the Theology of Wolfhart Pannenberg,” *Zygon: Journal of Religion and Science*. Vol. 23, No. 1 (March 1988).
- “Science and Theology Today: A Fresh Appraisal of Peacocke's Thought,” *Religion & Intellectual Life*. Vol. V, No. 3 (Spring 1988).
- “A Critical Appraisal of Peacocke's Thought on Religion and Science,” *Religion and Intellectual Life*. Vol. II, No. 4 (Summer 1985).
- “How Does Modern Physical Cosmology Affect Creation Theology?” *Pacific Theological Review*. Vol. 18, No. 3 (Spring 1985).
- “The Thought of David Bohm: Introduction,” with Ian G. Barbour, *Zygon*. Vol. 20, No. 2 (June 1985).
- “The Physics of Bohm and its Relevance to Philosophy and Theology”, *Zygon*. Vol. 20, No. 2 (June 1985).
- “Entropy and Evil,” *Zygon*. Vol. 19, No. 4, December 1984. Also *CTNS Bulletin*. Vol. 4, No. 2 (Spring 1984).
- “Converging Streams,” *San Francisco Examiner/Chronicle*, August 11, 1984.
- “Computers: Altering the Human Image and Society,” Robert John Russell, ed. *Computers & Society*. Vol. 13, No. 1 (1983).
- “Energy and Values,” *New Catholic World*. Vol. 224, No. 1341 (May/June 1981).

Reviews of Books in Theology and Science

- “Book Worth Rereading,” on *A Brief History of Time: From the Big Bang to Black Holes* by Stephen W. Hawking. *America*. Vol. 164, No. 4 (February 2, 1991).
- A Brief History of Time: From the Big Bang to Black Holes* by Stephen W. Hawking. *CTNS Bulletin*. Vol. 10, No. 1 (Winter 1990).
- One World* by John Polkinghorne. *Nature*. Vol. 321, No. 26 (June 1986). *Zygon*. Vol. 22, No. 1 (March, 1987).
- The Miracle of Existence* by Henry Margenau. *Zygon*. Vol. 20, No. 3 (September 1985).
- The Sciences and Theology in the Twentieth Century*, A. R. Peacocke, ed.. *CTNS Bulletin*. Vol. 4, No. 1 (Winter 1984). *Zygon*. Vol. 20, No. 4 (December 1985).
- The Dancing Wu Li Masters* by Gary Zukav. *Zygon*. Vol. 15, No. 4 (December 1980).

Scientific Publications

- “Some implications of chaos theory for the genetic analysis of human development and variation,” Lindon J. Eaves, Robert J. Russell, Katherine M. Kirk, and Nicholas G. Martin, *Twin Research and Human Genetics*, Vol. 2 No. 1 (February 1999).

“Kerr Solution to Whitehead's Theory of Gravity,” (with Christoph Wassermann), *Bulletin of the American Physical Society*. Vol. 32, No. 90 (1987).

“Systematic approach for comparing paraelectric tunneling models to resonance data,” *Physical Review B*. Vol. 26, No. 6 (1982).
“Unusual Paraelectric System, KBr:Li⁺,” (with Frank Bridges), *Physical Review B*. Vol. 26, No. 6 (1982).

“Relative Magnitude of Tunneling Parameters Versus Energy Levels in Paraelectric Models,” *Bulletin of the American Physical Society*. Vol. 26, No. 30 (1981).

“A New Paraelectric Center in NaCl:Li⁺,” (with Frank Bridges), *Bulletin of the American Physical Society*. Vol. 23, No. 18 (1978).

“Suppression of the Paraelectric Resonance of KBr:Li⁺ by OH⁻,” (with Frank Bridges), *Bulletin of the American Physical Society*. Vol. 22, No. 332 (1977).

“A New Paraelectric Center in Lithium-Doped KBr,” (with Frank Bridges), *Solid State Communications*. Vol. 21, No. 1011 (1977).

“Isotope Effect on the Paraelectric Resonance of KBr:Li⁺,” (with Frank Bridges), *Bulletin of the American Physical Society*. Vol. 21, No. 265 (1976).

“Magnetic-monopole solution of non-Abelian gauge theory in curved spacetime,” (with F. A. Bais), *Physical Review D*. Vol. 11, No. 2692 (1975).

PERSONAL

Born in Los Angeles, California, August 23, 1946.

Married, two grown children.

Spouse is Minister for Care, Faith and Invitation, First Congregational Church, Berkeley.

Member, First Congregational Church, Berkeley.