

PROF. FRED ALAN WOLF

alias Dr. Quantum®



Fred Alan Wolf, Ph.D. *aka* Dr. Quantum®

Fred Alan Wolf is a world-renowned physicist, writer, and lecturer who also conducts research on the relationship of quantum physics to consciousness. He is the author of 14 books, 3 audio CD courses, many scientific and popular articles, and received the National Book Award for *Taking the Quantum Leap*. He is a member of the Martin Luther King, Jr. Collegium of Scholars and was Professor of physics at San Diego State University for twelve years as well as visiting professors at many international universities including the Universities of Paris and London. Dr. Wolf has appeared in many nationally released films including “What the Bleep Do We Know?”, “The Secret,” “The Evidence for Heaven.”, “Star Trek IV, Special Collector’s edition discussing ‘Time Travel: The art of the possible.’”, “Spirit Space”, and many other films.

He has been interviewed on several radio and television programs including New Dimensions Radio, Western Public Radio, National Public Radio, and many others. He was the visiting scholar/scientist-in-residence in the Pacific Northwest sponsored by The Institute for Science, Technology, and Public Policy during the spring season, 1994. He has spoken numerous times before The Commonwealth Club of San Francisco, The Smithsonian Museum in Washington, DC, and several other prominent organizations and been interviewed on a number of television shows between the years 1995 to the present including: The Discovery Channel's *The Know Zone*, *Sightings*, *The Thinking Allowed Television Series*, *The Malone show*, *The Evidence for Heaven*, *Star Trek IV, Special Collector’s edition*, *The Fabric of Time*, *The Case for Christ’s Resurrection*, *Down the Rabbit Hole*, and the PBS series *Closer to Truth*.

His latest book is entitled *Time-loops and Space-twists: How God Created the Universe*.

Towards a Quantum Field Theory of Mind

Quantum physics provided a new paradigm that told us how mind and matter are correlated. It indicates that mind or consciousness plays a major role in the construction of reality because in it we have this facet of life that says, "Observation of objects in reality affects their reality." In other words, it isn't just a question of consciousness arising from particles banging into each other in your brain—which is the way many scientists tend to look at it—but it's more that what we imagine to be particles banging into each other that gives rise to waves of possibilities. These waves indicate where and when these particles will appear, if at all, and that the particles don't actually come into existence until a conscious observation occurs. Somehow, when you consciously observe something, a possibility becomes real and "out there." And the evidence seems to be pointing to the conclusion that there is only one true observer, one mind in this whole universe—a Mind of God, so to speak—for which each sentient lifeform plays a role making up what Jung may have deemed the "collective consciousness."

The best way I can describe this new paradigm is to speak of it in terms of what our own consciousness does during an observation. With the discoveries of quantum physics, we began to see this new role for consciousness—something that we know happens, but remained inexplicable until we began to realize that what we were talking about was the action of consciousness. So what I did in my earlier work was discover something I call a fundamental act of consciousness. I call it a FAC—please forgive the pun. What is a FAC? It's an action in which something is perceived. Now, in ordinary physics, or in ordinary physiology, or in most of the classical realms of science, perception is something which is taken to be within the realm of physicality. In other words, if you visually perceive something (or use any other physical sense perception), you know that you see something and accordingly, e.g., light will strike your retina, you'll get an idea, something will pop off in your brain, and all this takes place rather mechanically in a logical cause and effect order. We never get the notion that somehow the act of seeing something was affecting what was being seen either in memory or what was being looked at. But in quantum physics we've learned that when you're looking at very small objects, subatomic particles for example, the very action of looking at them disturbs them to such an extent that we never really get a complete picture as to what they actually are. Now, this has led me to think that a field of consciousness may be at the core of this problem. This field may explain how perception affects and changes reality, and that maybe what we're doing when we're thinking or feeling or sensing or even listening to a conversation, is creating a FAC. This creation suddenly alters the physical reality of both the human body and the object perceived in much the same manner as quantum physics indicates a particle suddenly arises in the quantum field that harbors it. Furthermore, a careful look at a FAC naturally brings into question the nature of time and mind: how events may affect each other in a time-reversed order in much the same manner that quantum field theory indicates a similar reversal of time order.

Most today believe in one-way causality—the past influences the present through the medium of an interaction that begins in the past and concludes in the future—what we call cause and effect. We have this idea from Newtonian mechanics. However, if we bring mind into mechanics—as we seemingly must through quantum physics—we find a new idea emerging: the future influences the present. Is such an idea just an idea that comes about through parapsychology or through mystical insight? A FAC says no, it says that there is a real mathematical basis showing that a future FAC (fFAC) can have an effect on the probability patterns that exist in the present and thereby create a new present FAC (pFAC). In other words, what takes places now, what choices are being made right now, may not be as free as you think they are. If you realized that a fFAC is having an effect on you now, then the reason for your present choices may not be as obvious. Quantum physics may be telling us that the usual pFAC → fFAC notion is incomplete and certain experiments in neurophysiology may be indicating time reversal, fFAC → pFAC, occurs in the human brain and nervous system in all acts of sensory awareness in which we are usually unaware. Hence we come to the need to understand imaginal tachyonic movement to grasp mind and soul.

Degrees, fellowships and awards

B. S. Engineering Physics, University of Illinois, 1957.

M. S. Applied Physics, University of California, Los Angeles, 1959.

Ph. D. Theoretical Physics, University of California, Los Angeles, 1963.

Howard Hughes Master of Science Fellow, Culver City, CA, 1957-1959.

Honorary Research Fellow, Physics Department, University of London, Birkbeck College, London, England. 1972, 1973, 1974.

The National Book Award Recipient for Best Science Paperback, 1982, for *Taking the Quantum Leap: The New Physics for Nonscientists*.

Member of the Martin Luther King, Jr. Collegium of Scholars, 2000.

Faculty University of Philosophical Research 2000-

Present and past positions

Member New York Academy of Sciences 1999-

Faculty Holmes Institute. 1998-2000

Consulting Physicist. 1977-

Published Author of several books explaining physics to nonscientists. 1975-

Popular Lecturer/Researcher on New Physics and Consciousness. 1977-

Member of the Editorial Board, *Contemporary Jungian Psychology*. 1993-

Assessing Editor, *Journal of Mind and Behavior*. 1993-

Associate, *Internet Science Education Project* 1998-

Editorial review Board of *The Noetic Journal*. 1998-

Consultant to Several Corporations. 1981-

President, Seminar Leader; Youniverse Seminars, Inc., La Jolla, CA. 1977-1985.

Visiting Professor, University of Northern Iowa, 1987.

Professor, Department of Physics, San Diego State University, 1971-1977.

Associate Professor of Physics, San Diego State College, 1968-1971.

Assistant Professor of Physics, San Diego State College, 1964-1968.

Staff Physicist at Several Corporations and Government Institutions. 1964-1968.

Visiting Professor, UNICAMP, University of San Paulo, Campinas, Brazil, 1985.

Associate Professor of Physics, University of Paris, Orsay, France, 1973-1974.

Visiting Research Fellow, University of London, Birkbeck College, 1973-1975.

Visiting Professor, Hahn-Meitner-Institut fur Kernforschung, Berlin, Germany, 1971.

Visiting Professor, Department of Physical Chemistry, The Hebrew University. of Jerusalem, Israel, 1971.

Visiting Professor, Laboratoire de Physico-Chimie des Rayonnements, Faculte des Sciences, Orsay, France. 1971.

List of published books and audio CD's by the author

1. *Time-loops and Space-twists: How God Created the Universe*. TX: Hierophant Publishing, 2011.
2. *Dr. Quantum Presents: Do-it-Yourself Time Travel CO: (Audio CD set) Sounds True*, 2008.
3. *Dr. Quantum in the Grandfather Paradox*. WA: EloraMedia, 2007.
4. *Dr. Quantum Presents: Meet the Real Creator: You. (Audio CD set) CO: Sounds True*, 2005.
5. *Dr. Quantum Presents: A User's Guide to Your Universe (Audio CD set) CO: Sounds True*, 2005.
6. *Dr. Quantum's Little Book of Big Ideas* NH: Moment Point Press, 2007. Also published in Spanish as *El libro de las grandes ideas del Dr. Quantum*. Panorama Editorial. México 2007 and in Israel by Prague publishing house..
7. *The Yoga of Time Travel: How the mind can defeat time*. Wheaton, IL: Quest Books. 2004. Also published in the Spanish Edition, 2007 as *El yoga del viaje en el tiempo*. Ed. Vesica Piscis, Granada, 2007. Portuguese edition published by Editora Mercuryo in Brazil 2006, entitled *Viagem no Tempo - a mente alé do ontem, hoje e amanhã*. Dutch language edition published as *De yoga van het reizen in de tijd in Holland* by Uitgeverij Ankh-Hermes bv-Deventer, 2007; and Italian edition *Lo Yoga della Mente e il viaggio nel tempo* 2007. Macro Edizioni.
8. *Matter into Feeling: A New Alchemy of Science and Spirit* NH: Moment Point Press, 2002.
9. *Mind into Matter: A New Alchemy of Science and Spirit*. NH: Moment Point Press, Fall, 2000. Also published in India by Vasan Book Depot, in Brazil published in Portuguese language. See *A Conexão entre Mente e Matéria: Uma Nova Alquimia Ciência e do Espírito*. São Paulo: Editora Cultrix, 2003, and in Korea by Hanmunwham Multimedia. Also recently published in Turkey as *Düşünceyi Gerçeğe Dönüştürmek* with Mia Basim Yayin through D&R, Istanbul, 2007..
10. *The Spiritual Universe: One Physicist's Vision of Spirit, Soul, Matter, and Self*. (Revised paperback edition.) NH: Moment Point Press, 1999. Originally published as *The Spiritual Universe: How Quantum Physics Proves the Existence of the Soul*. NY: Simon & Schuster, 1996. Also published in Chinese (Taiwan) and Dutch by Ten Have as *Het Spirituele Universum: Quantum fysica En Het Bestaan Van De Ziel*, 1998.
11. *The Dreaming Universe: A mind-expanding journey into the realm where psyche and physics meet*. NY: Simon & Schuster, 1994, Touchstone, 1995. Published in German as *Die Physik der Träume*. Berlin, Germany: Byblos Verlag. 1995, 1997 and by Deutscher Taschenbuch Verlag, 1997.
12. *The Eagle's Quest: a Physicist's Search for Truth in the Heart of the Shamanic World*, for Simon & Schuster, NY: 1991, Touchstone, 1992. And published in the UK and Australia by Harper/Collins, 1992 and in Spain as *La Busqueda Del Aguila* by Los Libros De La Liebre De Marzo, 1994, and published in Dutch as *De adelaars Queeste* by Symbolon, Amstelveen, 2000.
13. *Parallel Universes: The Search for Other Worlds*, for Simon & Schuster, NY. 1989, Touchstone: 1990. Also Published the UK and in German as *Parallele Universen: Die Suche*

nach anderen Welten by Insel Verlag, in Italian as *Universi Paralleli*, by Geo, and published in Japan by Tokuma Shoten.

14. *The Body Quantum: The New Physics of Body, Mind and Health*, for Macmillan Publishing Co., NY. Spring 1986. Also published in England by Heinemann Ltd. and in Germany as *Körper, Geist und neue Physik: Eine Synthese der neuesten Erkenntnisse Von Medizin und Moderner Naturwissenschaft* Scherz Verlag, 1989.
15. *Star*Wave: Mind, Consciousness and Quantum Physics*. Macmillan, NY, October, 1984. Also published as *Mind and the New Physics*. by Heinemann Ltd. London, England, March, 1985.
16. *Taking The Quantum Leap: The New Physics For Nonscientists*. **Winner of the National Book Award, 1982**. Harper & Row Publishers, Inc., San Francisco, 1981, and revised New Edition by Harper/Collins, NY 1989. Also published by Kodansha in Japan, 1992, in Spain, 1996, and in German as *Der Quantensprung Ist Keine Hexerei: Die Neue Physik Für Einsteiger* by Birkhauser Verlag: Basal.
17. *Space-Time And Beyond: The New Edition*. with Bob Toben. E. P. Dutton & Co., NY, 1982. and by Bantam, NY, 1983. Also published in Portuguese, German, and Japanese.

Scientific and technical publications

1. "Is the Quantum Wave Function Real?" Article Review of ["On the Reality of the Quantum State" by M. F. Pusey, J. Barrett, and T. Rudolph , *Nature Physics* 8 pp 476-9. May 2012.] *Journal of Scientific Exploration*, Vol. 26, No. 3. pp. 721-736. 2012.
2. Book Review of "The Science Delusion: Freeing the Spirit of Inquiry, by Rupert Sheldrake *Journal of Scientific Exploration*, Vol. 26, No. 2. pp. 426-8. 2012.
3. "Causality is Inconsistent with Quantum Field Theory." in *Quantum Retrocausation: Theory and Experiment*. Ed. Daniel P. Sheenan. American Institute of Physics / Conference Proceedings, 1408. Melville, NY: 2011 pp 168-88:
4. "The Quantum Physical Communication Between the Self and the Soul," *Noetic Journal*, Vol. 2, No. 2, April, 1999.
5. "A Quantum Physical Model of the Timing of Conscious Experience." in *Toward a Scientific Basis for Consciousness*, Eds. S. R. Hameroff, David Chalmers, and A. C. Scott. Boston, MA: The MIT Press, 1999.
6. "The Timing Of Conscious Experience: A Causality-Violating, Two-Valued, Transactional Interpretation Of Subjective Antedating And Spatial-Temporal Projection" *Journal of Scientific Exploration*, Vol. 12, No. 4. pp. 511-542. Winter, 1998.
7. "The Quantum Mechanics of Dreams and the Emergence of Self-Awareness." in *Toward a Scientific Basis for Consciousness*, Eds. S. R. Hameroff, A. W. Kaszniak, and A. C. Scott. Boston, MA: The MIT Press, 1996, pp. 451-67.
8. "On the Quantum Physical Theory of Subjective Antedating." *Journal Of Theoretical Biology*, 1989, Vol. 136, pp. 13-19.
9. "The Quantum Physics of Consciousness: Towards a New Psychology." *Integrative Psychiatry*, Vol. 3, No. 4 December, 1985: p. 236.
10. "Coherent Scattering of Photons by Atomic Hydrogen." *Physical Review*, Vol. 128, No. 6, Dec. 15, 1962, pp. 1686-7.
11. "The Body in Mind" in *Psychological Perspectives* Issue 30, Fall-Winter 1994.

12. "Spectrophotometric measurement of thin film thickness in the 90 to 10,000 nanometer region." *SPIE* Vol 499 Optical Radiation Measurements (1984) pp 112-120.
13. "Energy Dependence of the Charge-Transfer Reaction $N_2^+ + O_2^+ \rightarrow N_2 + O_2^+$ in the Thermal and Low Energy Region." *J. Chem. Phys.* Vol. 50, 1969. pp 3645-46.
14. "Energy Dependence of the Charge-Transfer Reactions in the Thermal and Low Electron-Volt Region." *J. Chem. Phys.* Vol. 48, 1968. pp 4226-33.
15. "Computer Calculations of Ion-Molecule Reactions." *J. Chem. Phys.* Vol. 44, 1966. pp 1619-28.
16. "Statistical Theory of Four-Body Bimolecular Resonant Ion-Molecule Reactions." *J. Chem. Phys.* Vol. 52, 1970. pp 5910-22.
17. "On the Energy Distribution of Final Products in Molecular Collisions." *Chem. Phys. Lett.* Vol. 10, 1 July 1971.

Articles and popular writing

1. "Awakening your Soul" Available on line at:
<http://fredalanwolf.com/myarticles/awakening%20your%20soul.pdf> .
2. "A Watched Pot Never Boils" *Forbes* ASAP. November 27, 2000.
3. "The Soul and Quantum Physics." In *Experiencing the Soul: Before Birth, During Life, After Death*. Edited by Eliot Jay Rosen. Carlsbad, CA: Hays House, 1998, pp. 245-252
4. "Somehow the Wave had to Exist", in *Galileo's Commandment: An Anthology of Great Science Writing*. Ed. Edmund Blair Bolles. NY: W. H. Freeman, 1998, pp. 366-369.
5. "The Wizard of Physics: Has Fred Alan Wolf, scientist and mystic, proved the existence of the soul?" an article/interview by Brad Lemley in *New Age Journal*, May/June, 1997.
6. "Scientist Shaman Soulman" An interview with Fred Alan Wolf by Don Wood in *Magical Blend*, Issue 54, March, 1997.
7. "Quantum physics as evidence of the soul," An interview with Fred Alan Wolf by Ronald S. Miller in *Science of Mind*, Feb., 1997, Vol. 70, No. 2.
8. "The Dreaming Universe" an interview with Dr. E. Rossi in *Psychological Perspectives* Issue 30, Fall-Winter 1994.
9. "The Dreaming Universe" Fred Alan Wolf interviewed by Jerry Snider in *The Magical Blend* Issue 43 July, 1994.
10. "Through the Shaman's Doorway," written by Richard Leviton based on an interview with Fred Alan Wolf, *Yoga Journal*, July/August 1992.
11. "The Business of Isness: A Look at the Parallel Universes Interpretation of Quantum Physics," *Leaders*, Spring 1990.
12. "Complementarity and Political science: An Essay on Fundamentals of Political Science Theory and research Strategy." by Erik Rasmussen. Book Review For *Political Psychology* Vol. 10, No. 2, 1989.
13. Lead for *Continuum*, "Quantum Consciousness." *Omni* magazine, October, 1985.
14. "The Origins of Life: Evolution As Creation" by Hoimar von Ditfurth. Book Review For *The Laughing Man* Volume 4, No. 3, 1983.

15. "A New Science of Life: The Hypothesis of Formative Causation" by Rupert Sheldrake. Book Review For *The Laughing Man* Vol. 4, No. 1, 1983.
16. "Understanding the Quantum Leap," *Omega Science Digest*, New Zealand, May/June, 1982.
17. "The Man Behind Einstein," *Science Digest*, February, 1982.
18. "Taking the Quantum Leap," *Science Digest*, December, 1981.

Fred Alan Wolf on the Web

Here are some transcripts of shows that I participated on in the PBS series "Closer to Truth."

<http://www.closetotruth.com/topics/mindbrain/112/112transcript.shtml>
<http://www.closetotruth.com/topics/mindbrain/113/113transcript.shtml>
<http://www.closetotruth.com/topics/mindbrain/107/107transcript.shtml>
<http://www.closetotruth.com/topics/mindbrain/204/204transcript.shtml>

And see the following for information about my books:

http://www.amazon.com/exec/obidos/ASIN/0060963107/ref=sim_books/102-0823095-6312960
(Taking The Quantum Leap)
<http://www.amazon.com/exec/obidos/ISBN%3D0671792911/002-6886512-7702252> (The Eagle's Quest)
http://www.amazon.com/exec/obidos/ASIN/0684801590/ref=sim_books/002-6886512-7702252
(The Dreaming Universe)
http://www.amazon.com/exec/obidos/ASIN/0966132718/ref=sim_books/103-6009806-3189452
(The Spiritual Universe)
http://www.amazon.com/exec/obidos/ASIN/0671696017/ref=sim_books/102-0823095-6312960
(Parallel Universes)
<http://www.amazon.com/exec/obidos/ASIN/0966132769/qid%3D963960307/103-6869232-5535826> (Mind Into Matter)

The following contains information about my work, research, and writing:

<http://www.gracecathedral.org/libraries/discontinued/textures/wolf1.shtml>
<http://www.gracecathedral.org/libraries/discontinued/textures/wolf2.shtml>
<http://www.stardrive.org/fred.shtml>
<http://www.annonline.com/interviews/961203>
<http://momentpoint.com/html/catalog/mim/overview.html>
<http://momentpoint.com/html/catalog/tsu/overview.html>
<http://www.ufomind.com/people/w/wolff>
<http://www.thinking-allowed.com/wolf.html>
<http://home.earthlink.net/~junginla/ppquantu.htm>
<http://www.transpersonal-web.com/wolf.shtml>

Also see my interview with Deepak Chopra (asking the questions)

<http://howtoknowgod.com/about/recommendations.asp> (click on : Read the dialogue with Dr. Fred Alan Wolf).

Fred Alan Wolf in the Movies and on TV

1. The Evidence for Heaven. Grizzly Adams Productions, Inc.
2. The Secret. 2006 Prime Time Productions.
3. Star Trek IV, Special Collector's edition.
4. The Fabric of Time. Grizzly Adams Productions, Inc.
5. The Case for Christ's Resurrection. Grizzly Adams Productions, Inc.
6. Down the Rabbit Hole. Captured Light Films.
7. What the Bleep do we Know? Captured Light Films.
8. Spirit Space. Wirewerks Films.
9. Leap. Leap Ventures, LLC.
10. 2012 New Humanity (Documentary) Appearing as himself
11. 2011 Holy Man: The USA vs Douglas White (Documentary) Appearing as himself
12. 2010 Beyond the Barbed Wire: An Artist View of the Holocaust (Documentary)
13. 2008 Spirit Space (Video documentary) Appearing as himself
14. 2007 Dalai Lama Renaissance (Documentary) Appearing as himself
15. 2007 The Case for Christ's Resurrection (TV Movie documentary) Appearing as himself
16. 2007 Fabric of Time (Video documentary) Appearing as himself
17. 2006 The Secret (Video documentary) Appearing as himself - Quantum Physicist
18. 2006 What the Bleep!?: Down the Rabbit Hole (Documentary) Appearing as himself
19. 2005 The Language of Spirituality (Documentary) Appearing as himself
20. 2004 The Evidence for Heaven (TV Movie documentary) Appearing as himself (as Dr. Fred Wolf)
21. 2004 What the #\$*! Do We (K)now!? (Documentary) Appearing as himself
22. 2002 The Evidence (TV Series) Appearing as himself - Guest Interview
23. God, the Universe, and Everything (2002) ... Appearing as himself - Guest Interview

To contact the Lecturer:

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