

BRIEF BIOSKETCH: Mano Singham

Mano Singham obtained his B.Sc. from the University of Colombo in Sri Lanka, and M.S. and Ph.D. degrees in theoretical nuclear physics from the University of Pittsburgh. Before coming to Case Western Reserve University in 1989, he taught and carried out research at the University of Rochester, Los Alamos National Laboratory, Drexel University, University of Pittsburgh, and the University of Colombo.

As Associate Director of CWRU's faculty teaching center (UCITE), Mano Singham has researched and conducted seminars and workshops for university faculty on teaching and learning. He has conducted workshops around the country on Active Learning methods for science teachers at pre-college and college levels, and run summer and academic year programs for K-12 science teachers. He also worked for five years as Scientist-Educator for Project Discovery, one of NSF's Statewide Systemic Initiatives to improve K-12 science education. He also conducts a Cognitive Coaching seminar for school administrators.

He has written articles and given invited talks on *The Achievement Gap in Science and Mathematics Education*, *Active Learning*, and *Science and Religion* at professional meetings of scientists and educators.

His recent research interests are in the fields of education, theories of knowledge, and physics and philosophy. His most recent book entitled *THE QUEST FOR TRUTH: Scientific Progress and Religious Beliefs* was published by Phi Delta Kappan Educational Foundation, Bloomington, IN, in November 2000. He is currently working on his next book which will deal with the educational achievement gap between white and black students.

RECENT GENERAL ARTICLES:

1. M. K. Singham, *Why Asking Foolish Questions is Sometimes Good for Science*, Physics Today, April 1989, p96.
2. M. K. Singham, *Science for Developing Countries*, Physics Today, August 1989, p61. My response to replies to it appeared in Physics Today, January 1991, p96.
3. Mano Singham, *So What Are 'Basic Skills'?*, The Plain Dealer Op-Ed page, July 7, 1994.
4. Mano Singham, *The War Against Public Schools*, Z Magazine, October 1995, p11.
5. Mano Singham, *Race and Intelligence: What Are The Issues?*, Phi Delta KAPPAN, vol. 77, no. 4, Dec. 1995, p271. My response to replies to it appeared in April 1996, p584. This article has since been reprinted in the following books: *Stand! Introductory Psychology*, Laura Freberg (Ed.), Coursewise Publishing, Bellevue, IA,

1998; and *Introduction to Human Ecology*, George Clark (Ed.), Kendall Hunt, Dubuque, IO, 2000.

6. Mano Singham, *The Canary in the Mine: Closing the achievement gap between black and white students*, Phi Delta KAPPAN, vol. 80, no. 1, p8, September 1998. This article has since been reprinted in the following books: *Stand! Educational Psychology*. Coursewise Publishing, Bellevue, IA, 1999; *Cultural Foundations of Education*, 3rd Edition, Susan Adler (Ed.), Prentice-Hall, Upper Saddle River, NJ, 2000; *Change/Education: Issues in Perspective*, 3rd. Edition, Northern Illinois University, DeKalb, IL, 2001; and *Annual Editions in Education*, McGraw-Hill/Dushkin, Guilford, CT, 2001.
7. Mano Singham, *Forget About Making Notes*, The Plain Dealer Op-Ed page, September 13, 1999. Reprinted as *Psst! - Want to buy my lecture notes?*, The Physics Teacher, vol. 38, no. 1, p58, January 2000.
8. Mano Singham, *The Science and Religion Wars*, Phi Delta KAPPAN, vol. 81, no. 6, p424, February 2000. This article has since been reprinted in the following book: *Powerweb: Physical Science/Integrated Science*, McGraw-Hill/Dushkin, Guilford, CT, 2001.
9. Mano Singham, *Teaching and Propaganda*, Physics Today, June 2000, p55. My response to replies to it appeared in Physics Today, November 2000, p14. This article has since been reprinted in Vision magazine (South Africa), vol. 9, no. 5, Sept/Oct 2000, p17.
10. Mano Singham, *Scientists seek more than an explanation of the inexplicable*, The Plain Dealer Op-Ed page B9, January 16, 2002.
11. Mano Singham, *Philosophy is Essential to the Intelligent Science Debate*, Physics Today, June 2002, p48.
12. Mano Singham, *Closing the achievement gap*, The Plain Dealer Op-Ed page B9, January 21, 2003.
13. Mano Singham, *The Achievement Gap: Myths and Reality*, Phi Delta KAPPAN, vol. 84, no. 8, p586-591, April 2003.
14. Mano Singham, *What War Looks Like*, CounterPunch, February 12, 2003, <http://www.counterpunch.org/singham02122003.html>
15. Mano Singham, *Cheney's Oil Maps: Can the real reasons for the attack on Iraq be this crass?* CounterPunch, July 19, 2003, <http://www.counterpunch.org/singham07192003.html>

16. Mano Singham, *Iraq's Missing WMD Scientists*, CounterPunch, July 23, 2003,
<http://www.counterpunch.org/singham07232003.html>

OTHER ACTIVITIES

- Acted as Dr. Quari Shah and the Marabout in the play *Homebody/Kabul* by Tony Kushner, directed by Joel Hammer and produced by Dobama Theatre, Cleveland, September 13-October 6, 2003
- Acted in the independent film *The Ignorance and Absence of Gerard* written and directed by Preston DeFrancis, 2001.