



2009 is a year of CSPO Anniversaries (10th, 5th, 1st)

In 1999, the Center for Science, Policy and Outcomes was established at Columbia University by CSPO Co-Founders **Michael Crow**, **Barry Bozeman** and **Dan Sarewitz** to explore the linkages between science and technology and its effects on society and to develop knowledge and tools that can more effectively connect progress in science and technology to progress toward desired societal outcomes.

In 2004, CSPO moved to Arizona State University as the Consortium for Science, Policy and Outcomes. CSPO has thrived during its five years at ASU; we have grown from a group of five to nearly 50 faculty, staff, and students, have made an impact on national debates ranging from climate change to the governance of emerging technologies, and have been awarded nearly \$8.5 million in external grants. CSPO has developed strong partnerships with other ASU units, as well as other institutions and continues to work to build the Consortium.

In 2008, CSPO returned to Washington, DC, opening a new office to enhance CSPO and ASU's presence in the national science policy arena, including developing networks of allied organizations and institutions to advance research and public discourse on key issues of science and technology and to increase the effectiveness of science and technology policy for achieving desired social goals. CSPO, co-located in AZ and DC and co-directed by Dan Sarewitz and **Dave Guston**, is looking forward to the additional opportunities its dual location will bring.

Throughout 2009, CSPO will host events and release products to commemorate its 10th, 5th, and 1st anniversaries. The first event will be an Open House in the CSPO-AZ offices on Wednesday, February 4th, 10:00-11:30am and 3:00-5:00pm. Come see the new CSPO-AZ offices (room 366 of Interdisciplinary B on the ASU Tempe campus) and learn about recent and on-going research. Future events in both the CSPO-AZ and CSPO-DC offices are being planned and will be announced as they are finalized.

Overcoming Stone Age Logic

In a recent [*Issues in Science and Technology*](#) Perspectives, CSPO Co-Founder and ASU President **Michael Crow** discusses the need for society to move out of our stone age logic to find solutions to challenges facing us. "Through a remarkable manipulation of limited knowledge, brute force, and an overwhelming arrogance, humans have shaped a world that in all likelihood cannot sustain the standard of living and quality of life we take for granted. ... We remain fixed on short-term goals and a simplistic model governed by what I call 'Stone Age logic' ... Our universities remain disproportionately focused on perpetuating disciplinary boundaries and developing increasingly specialized new knowledge at the expense of collaborative endeavors targeting real-world problems. If we in the academic sector hope to spearhead the effort, we will need to drive innovation at the same time as we forge much closer ties to the private sector and government alike." Read the full essay at http://www.cspo.org/documents/article_Crow-MMC-Summit-20081219.pdf.

Three Rules for Technological Fixes

For some social problems, scientific research and technological innovation deliver significant progress, whereas for others, such activities lead to little if any improvement. Deciding which problems can be addressed by technological fixes and which won't should be central to setting innovation policy, say CSPO Co-Director **Daniel Sarewitz** and Richard Nelson in a recent *Nature* Commentary. For a copy, contact: cspo@asu.edu or see <http://www.nature.com/nature/journal/v456/n7224/pdf/456871a.pdf>.

Thinking longer term about technology: Is there value in science fiction-inspired approaches to constructing futures?

CSPO Associate Professor **Clark Miller** and Assistant Research Professor **Ira Bennett** explore the role of science fiction in thinking about the future of technology in this article in [Science and Public Policy](#). Science fiction offers a unique approach to thinking longer term about technology: one grounded in narratives that are people-centric, future-oriented, and focused on non-linear dynamics across the interaction of multiple technologies, value-laden images of future societies, questions of meaning and identity, and enduring symbols and problem framings. For a copy contact, cspo@asu.edu or see <http://www.ingentaconnect.com/content/beechnet/spp/2008/00000035/00000008/art00006>.

Center for Nanotechnology in Society at Arizona State University All-Hands Meeting

CNS-ASU hosted its third annual All Hands meeting on January 14-16. Researchers from ASU, University of Wisconsin-Madison, Georgia Tech, the Colorado School of Mines, and Rutgers University, along with visitors from AAAS and the Nanoscale Informal Science Education Network gathered to learn about progress made on the CNS research agenda and to begin planning for the second phase of CNS-ASU. For more information on CNS-ASU, visit cns.asu.edu or contact cns@asu.edu.

Science and Public Policy

[Science and Public Policy](#) is a leading refereed, international journal on public policies for science, technology and innovation, and on their implications for other public policies. CSPO Co-Director **David Guston** serves as the North American Editor and CSPO Associate Research Professor **Daniel Barben** serves as the North American Managing Editor. The most recent issue includes:

- Introduction: the anticipatory state: making policy-relevant knowledge about the future - *Nelson, Nicole; Geltzer, Anna; Hilgartner, Stephen*
- Nuclear futures: anticipatory knowledge, expert judgment, and the lack that cannot be filled - *Gusterson, Hugh*
- 'Iraqi Winnebagos™ of death': imagined and realized futures of US bioweapons threat assessments - *Vogel, Kathleen M.*
- Ageing or silvering? Political debate about ageing in the Netherlands - *van der Steen, Martijn*
- Designing epidemics: models, policy-making, and global foreknowledge in India's AIDS epidemic - *Mahajan, Manjari*
- Thinking longer term about technology: is there value in science fiction-inspired approaches to constructing futures? - *Miller, Clark A.; Bennett, Ira*
- A system approach to tertiary education institutions: towards knowledge networks and enhanced societal trust - *Heitor, Manuel*

Abstracts are available at <http://www.ingentaconnect.com/content/beechnet/spp>.

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