

DP Beyond Correlations: Pioneering in Science Diplomacy and Public Engagement

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We could say that practically all the problems of the human race are due to the fact that thought is not proprioceptive.

David Bohm



From Latin proprius, meaning *one's own* or *individual*

10th Solvay Conference, 1954



C. J. Gorter, C. Kittel, B. Matthias, I. Prigogine, L. Onsager, A. Pippard, J. Smit, F. Fumi, H. Jones, J. H. Van Vleck (in front), P-O. Lowdin, A. Seeger



K. A. Mendelssohn, H. Frohlich, **D. Pines**, C. Moller, W. Pauli, Sir W. L. Bragg, N. F. Mott, L. Neel, W. Meissner, D. K. C. MacDonald, C. G. Shull, J. Friedel





G. Baym/*Physics Today*

In 1974, physicists from the U.S. visited the Landau Institute of Theoretical Physics in Moscow despite cold war tensions. From left to right: G. S. Bisnovati-Kogan, I. D. Novikov, V. L. Ginzburg, Y. B. Zeldovich, and David Pines.

Outreach and Education: ICAM GSEE* Kyoto, October 2013

*Global Partnership for Science Education through Engagement



Laura, David, Mrs. Nishimura, Suzy Pines, Kazuo Nishimura

Journal: Science of Engagement

Peer-reviewed journal **by scientists** communicating successes

- White Paper on The new journal on the Science of Engagement: August 29, 2013
- **Some New Directions, Experiments, and initiatives in Science Education:** Ideas about science education and engagement that John Mather and David Pines plan explore with the leadership of the NAS, the AAAS, and many others-Feb.6, 2015 draft: Includes: **Experiments in Science Education-a peer-reviewed online journal:** This went to: AAAS (Rush Holt, Jeremy Berg, Josh Freeman, Tifany Lohwather), AIP (Bo Hammer) APS (Rebecca Thompson) NAS (Support from John Mather, Marcia McNutt and others) but finally was rejected for NAP by Inder Verma. **But now MAY BERENBAUM (UIUC and has been involved in GSEE) is the new NAP EiC!**

THIS IS WORTH ANOTHER SHOT!

(and I have tons of information to build on this: Volunteers?

Santa Fe October 26, 2016

Visit to Santa Fe: Agenda!



Think Like a Scientist: Aspen 2017

- **TLS/Aspen is an experimental after school program in which high school students act as mentors who expose middle school students to ideas, concepts, and methods that help them learn to think like scientists.**
- **GSEE/TLS Advisors (some)**
 - Bruce Alberts, NAS President Emeritus, and Founder of SERP, UCSF
 - Kathleen Jamieson, Dean, Annenberg School for Public Policy, University of Pennsylvania
 - Anthony Leggett, UIUC, 2003 Nobel Laureate in Physics
 - Alan Leshner, CEO Emeritus, AAAS
 - John Mather, NASA, 2006 Nobel Laureate in Physics
 - Saul Perlmutter, 2009 Nobel Laureate in Physics
 - Martin Rees, Astronomer Royal
 - Jeremy Sabloff, President-emeritus, Santa Fe Institute
 - Barbara Schaal, Washington University, President, AAAS
 - Carol O'Donnell, Smithsonian Science Education Center [SSEC],

Aspen June 8, 2017

“Think like a Scientist”

