

◆ Presentation to Martin Blume and Paul Ginsparg

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The Council of Science Editors gives its highest award, the Award for Meritorious Achievement, to two corecipients, Martin Blume and Paul Ginsparg. These recipients share multiple interests, generally, in the scientific discipline of physics and in promoting excellence in the communication of scientific information, which is CSE's primary mission. They are honored for their unique contributions, vision, leadership, integrity, and passion. Whether you view their contributions as radical transformations or guided evolution, Paul Ginsparg's and Martin Blume's contributions have forced editors and publishers to reevaluate old and current procedures, policies, and modes of disseminating information and have encouraged us to consider new opportunities. By challenging norms and views on a wide array of issues—including intellectual-property and copyright concerns, access to information, and traditional publishing models—and by recognizing that we cannot assume an unchanging existence of scientific journals and the roles and responsibilities of editors and publishers, Blume and Ginsparg have led us to question our values and beliefs, have led us to find ways to cope with and keep pace with rapid advances in technology, and, it is hoped, are leading us to ensure the viability of science journals, in whatever form they may take, and the work of science editors and publishers. Ginsparg and Blume are both futurists and realists, freeing us from inertia, forcing us to move forward. As such, they personify Newton's third law of motion, that for every action (Ginsparg) there is an equal and opposite reaction (Blume).

Paul Ginsparg is professor of physics and computing and information science

at Cornell University. He received an AB from Harvard and a PhD in physics from Cornell. He has held academic and research positions at Harvard, Los Alamos National Laboratory, and Cornell. Ginsparg has specialized in quantum field theory, string theory, and digital knowledge networks. He has received numerous honors and awards and most recently was named Fellow of the American Physical Society (2000) and a MacArthur Foundation Fellow (2002). He has served on many committees and advisory boards, including most recently the US National Academy of Sciences (NAS)/National Research Council (NRC) Committee on Issues in the Transborder Flow of Scientific Data, the NAS/NRC Committee on the Future of Universities, the Open Archives Initiative, PubMed Central's National Advisory Committee, and the American Physical Society's Taskforce on Electronic Information Systems and Publications Oversight Committee. He often writes and speaks on the future of scholarly communication, for example, on "Alternative Models for Scholarly Publishing" and "The Impact of Barrier-free Access and New Technologies on Biomedical Publishing". In 1991, Ginsparg developed the Los Alamos Electronic Preprint Archive, now called arXiv, an open e-print service with more than a million articles in physics and tens of thousands of articles in mathematics, nonlinear science, computer science, and quantitative biology.

Martin Blume is editor-in-chief of the American Physical Society, now on leave from Brookhaven National Laboratory. He received a BA from Princeton and a PhD in physics from Harvard. After a Fulbright Fellowship at Tokyo University,



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Martin Blume, Paul Ginsparg, and Annette Flanagin

he held positions at the Atomic Energy Research Establishment in England, Brookhaven National Laboratory, and the State University of New York at Stony Brook. Blume's research has focused on atomic and condensed-matter physics and the interface between condensed matter and nuclear physics. He has served on several editorial boards of journals and on many panels of the NAS/NRC, the Department of Energy, and the National Science Foundation. He helped to develop the American Physical Society Guidelines for Professional Conduct, including supplementary guidelines on responsibilities of coauthors and collaborators, research results, and references in publications. He is a Fellow of the American Academy of Arts and Sciences, the American Association for the Advancement of Science, the British Institute of Physics, and the American Physical Society. Since 1996, Blume has been editor-in-chief of the American Physical Society, with responsibility for all the *Physical Review* journals, *Physical Review Letters*, and *Reviews of Modern Physics*. He frequently writes and speaks about the challenge of electronic publishing, including concerns about intellectual property, archiving, peer review, the dual role of paper and electronic media, and economic questions of cost minimization and recovery. 