

PREFACE

Allan Bromley was an extraordinary figure in science and engineering who made singular contributions to the international realm of science and technology policy. His premature death in February of 2005 deeply impacted science and policy communities throughout the world. A Memorial Symposium, in his honor, was held at Yale University on December 8th and 9th, 2005. This volume contains the Proceedings of that Symposium. The Symposium was organized by a committee composed of Charles Baltay, Richard F. Casten, John Harris, Paul A. Fleury and Chairman Francesco Iachello.

More than 150 scientists and dignitaries from around the world attended the Symposium. It was opened by a welcoming address from Yale President Richard Levin, whose introductory remarks were followed by a videotaped greeting from former President George H.W. Bush, whom Allan Bromley served so ably as Science Advisor.

The Symposium was organized so as to recognize Dr. Bromley's many diverse contributions not only to his chosen field of nuclear and heavy ion physics, but also as a scientific statesman of the first rank who forged significant advances in technology policy and who operated at the highest levels of the United States Government before returning to Yale as its first Dean of Engineering in over 30 years.

The speakers in the Policy Session included former and current Science Advisors Neal Lane and John Marburger, as well as President Bush's Chief of Staff Governor John Sununu and Allan's close colleague and friend Dean Mary Good.

The Scientific Sessions brought together leaders from major nuclear and particle physics facilities and programs in the United States, Europe and Japan. These two Sessions provided a succinct, yet sweeping and strategic view of these important scientific fields in which Allan Bromley often played seminal roles in the various countries throughout the world.

At the Symposium banquet several of Allan's former students and colleagues provided remarks of his life and impact on them and their fields. Their comments as well as heartfelt personal tributes by Allan's daughter, Lynn, and his grandson, Skylar Bromley Cohen, are transcribed in this volume. The banquet concluded with touching personal reminiscences by Allan's wife, Victoria Sutton, and a final note of gratitude from Francesco Iachello.

For future reference, we have also included D. Allan Bromley's complete publication list, comprising more than 500 articles. This list provides impressive testament to his own scientific prowess and the transforming impact he had, not only in founding the Wright Nuclear Structure Laboratory at Yale, but in launching other facilities throughout the world which have shaped modern nuclear science. A list of Allan's Ph.D. students has also been included, as a further indication of his impact on the field of nuclear physics.

We owe a debt of gratitude to the Office of the Yale Provost, the Department of Physics and to the Faculty of Engineering for their support in this important endeavor, without which we would not have been able to assemble so many distinguished speakers or provide the logistic amenities for the Symposium. We want to extend special thanks to Mark Caprio, for photography of the symposium and help in preparing the final version of these proceedings, and to the staffs of the Department of Physics and the Faculty of Engineering, Harley Pretty, Catherine Barabas, Jean Edmunds, Erica Brossard, Eric Mitchell, Chris Doyle, Andy Morcus and Bridget Calendo. Without them, this important Symposium commemorating the life and achievements of one of Yale's and, indeed, science's most distinguished citizens, would not have been possible.

Paul A. Fleury
Francesco Iachello