

**I**n this issue of *Attributions* we celebrate the dedication of Bloomberg Hall, named in honor of the many contributions of Michael Bloomberg, who served as Chair of the Institute's Development Committee until his election as Mayor of New York City last fall. A member of the Board from 1995-2001, Mike was an exemplary leader who was not only personally generous, but also encouraged others to be philanthropic.

We are delighted to welcome Trustee Nancy MacMillan as the new Chair of the Development Committee. Nancy will work with Vice Chair Vartan Gregorian to build on the accomplishments of the Committee under Mike Bloomberg, while bringing her own experience and insights to bear in this area so critical to the continued success of the Institute for Advanced Study.

I am tremendously grateful to Mike, Nancy, Vartan, Ralph Hansmann (whom you will also read about in this issue), and all of the other trustees and friends whose support is so important to the Institute."

—Phillip A. Griffiths  
*Director*

## Institute Dedicates Bloomberg Hall

**O**n May 3, 2002, the Institute for Advanced Study dedicated Bloomberg Hall, the new home of the School of Natural Sciences. The building has been named in honor of former Institute Trustee Michael Bloomberg, Mayor of the City of New York and Founder of Bloomberg L.P.

Over the course of the 20th century, nearly every individual who made a significant contribution to physics spent some time working at the Institute, from individuals whose contributions were of critical importance but whose names would probably not be recognized by the general public, to the physics "superstars:" Institute Faculty member Albert Einstein; Wolfgang Pauli; Niels Bohr; and P.A.M. Dirac, to name just four.

Bloomberg Hall marks a new era in the School of Natural Sciences. For the first time in forty years, the physicists and astrophysicists working in the School will be housed together. An important goal in having the entire School in one building is to encourage the informal interactions which are a central part of both scientific research and postdoctoral education in the sciences.

A total of 30,000 square feet in size, Bloomberg Hall is a combination of new and existing structures. The new building provides offices for faculty and visiting scientists, meeting rooms, two library reading rooms, and a lecture hall that seats 65 people and has state-of-the-art audiovisual equipment.

An integral part of Bloomberg Hall is a work by the artist Mary Miss, who designed a series of sculptures located in a grove of trees on the northern side of the building. The Bloomberg Hall work uses reflective lines of water elements echoed at different scales and levels in the surrounding site. Collectively, the trees, paving elements and maze-like structures suggest the remnants of an orchard, rich with layered meanings and allusions and evocative of the site's past use as a farm and orchard.

Robert Geddes of Geddes Demshak Architecture and Planning was the Design Architect for Bloomberg Hall, and the Architect of Record

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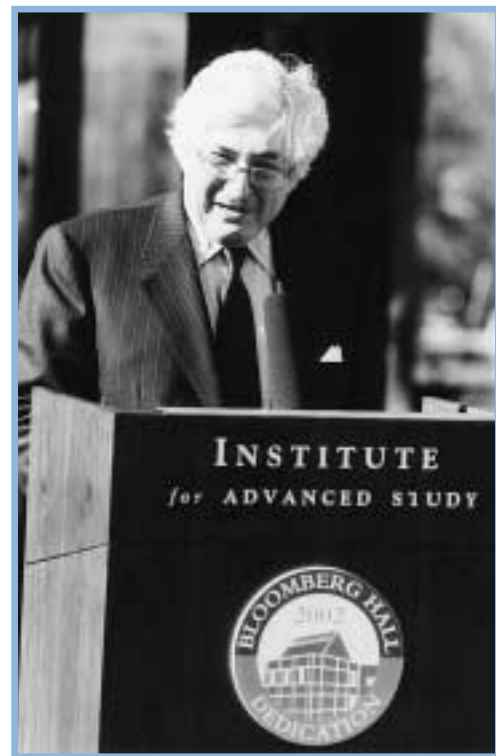
(top) James D. Wolfensohn, Chairman, Institute for Advanced Study, and President, The World Bank, with Michael Bloomberg, Mayor of New York City and former Institute Trustee.

(bottom) A view over part of the Mary Miss sculpture to the Bloomberg Hall auditorium and second-story physics library, with its row of skylights.

## Bloomberg Hall Dedication

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*On May 3, 2002, the Institute for Advanced Study dedicated Bloomberg Hall, the new home of the School of Natural Sciences.*



“We have many people to thank for this building, who have helped make it possible – the Faculty of the School, the design architects Geddes Demshak Architects and Planning, and especially architect Robert Geddes. We want to particularly thank Mary Miss, the artist for this project, who carried out the feeling and commitment that Mike Bloomberg has to bring art into good buildings, and the project architects KSS Architects LLP, the building contractors, Scozzari & Sons, and The Johnson Atelier.”

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*– James D. Wolfensohn, Chairman, Institute for Advanced Study*

“The idea of the building was to bring people together. I’ve always been a believer that if you take away the barriers to people working together, if you give them some commonality in interest, if you give them the tools, they will collaborate and cooperate and do things that, no matter how good they are, they would not do on their own.

I’ve always been thrilled to be associated with one of the great institutions in America. The Institute is in my heart – it is something that contributes to humanity in a way that very few other places can do.”

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*– Michael Bloomberg*

“This institution is esteemed worldwide as a real touchstone of excellence in physics. The unfinished business of 20th century physics is the greatest challenge to 21st century physics. The optimists among physicists hope that we will indeed come to understand the bedrock nature of the physical world and if they’re right, the smart money would be that the key ideas will be sparked right here. And the Institute will then have achieved Einstein’s vision, and Bloomberg Hall will then be one of the historic buildings of the 21st century.

It is a pleasure to be here at Bloomberg Hall, a building which is not only beautiful, but functional, in the sense that it provides just the mix that physicists need, between the place to think quietly, and the areas to interact and share ideas.”

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*– Martin J. Rees, Trustee, Institute for Advanced Study, and Royal Society Research Professor, Cambridge, UK*



## COMMITTED STEWARDSHIP

The Institute for Advanced Study has been fortunate in the number of people willing to share their unique talents and resources with this institution. Few individuals, however, have had a more significant overall impact on the fortunes of the Institute than Trustee Emeritus Ralph E. Hansmann. He has been a consistent and generous financial supporter of the Institute, while tirelessly committing his time, energy and expertise.

A graduate of Hamilton College in Clinton, New York, Ralph received his MBA from Harvard University in 1942, and then served as a lieutenant in the United States Naval Reserves. In 1946, he became an investment associate in New York with Harold F. Linder and William T. Golden.

Ralph's relationship with the Institute began four years later, when Harold Linder was elected President and Treasurer of the IAS Board. Mr. Linder sought help from his business associate, arranging for Ralph Hansmann to be named Assistant Treasurer so that he could work with the Institute's investment advisors, John W. Bristol & Company, who managed the endowment. Eventually, he came to manage the Institute's endowment at no fee which, in the days before electronic transfers, entailed voluminous paperwork.

The Institute's founder, Louis Bamberger, had made his fortune in New Jersey and was adamant that the Institute should use a New Jersey bank for its investments. By the early 1960s, however, the Institute's endowment had grown to \$40 million, surpassing the combined capital and surplus of the New Jersey bank where it was held. The Trustees made the difficult decision to transfer the Institute's holdings to the U.S. Trust Company in New York City, and delegated the task to Ralph Hansmann.

"I'll never forget that day," he said. "We sent a Brinks truck to Newark to pick up the actual paper securities representing the complete endowment of the Institute for Advanced Study. Believe me, I didn't rest the entire time they were in transit until I knew they were safely delivered to the corner of William and Wall."

In 1969, Ralph Hansmann became Treasurer of the Institute and an ex-officio member of the Board of Trustees. He was elected a Trustee from 1976 until 1988, serving as Treasurer, Portfolio Manager, Chairman of the Finance Committee, and member of the Executive Committee. As portfolio manager, he managed the Institute's endowment from his office, in liaison with the Institute's Finance Committee chairman until the late 1970s. Later, with the introduction of Chairman J. Richardson Dilworth, the Institute became one of the first outside clients of Rockefeller & Co. When that occurred, Ralph became Chairman of the Finance Committee.

In the 1950s, with the purchase of two farms near the Institute woods, the Institute acquired a significant amount of land as an investment, at the urging of S. D. Leidesdorf, then the Board President and Treasurer. Apartments to house the visiting Members were built in 1954, the Library for the Schools of



*Doris and Ralph Hansmann*

Historical Studies and Social Science in 1960, and the West Building and Dining Hall in 1969.

During these years of physical expansion, the Institute frequently had to resort to a 8-10% draw on the endowment and, therefore, was compelled to invest for total return (interest, dividends, plus capital gains) long before other institutions accepted this approach to investing. Despite this, the endowment still grew under Ralph's guidance and astute management, from \$30 million in the mid 1950s to \$175 million in the late 1980s. In those days, there was no fund raising effort, not even among the Trustees. Ralph said the Institute's development initiative did not begin in earnest until the arrival of Phillip Griffiths and Rachel Gray, and is now an important source of financial support for its operations.

Ralph and Doris Hansmann have generously supported the Institute with gifts directed to the Harold F. Linder Chair in Social Science, the George F. Kennan Chair in Historical Studies, the School of Mathematics and the School of Natural Sciences. The couple are also founding members of the Einstein Legacy Society, which was formed to recognize individuals who have included the Institute in their estate plans.

The Ralph E. and Doris M. Hansmann Membership was created in their honor, from contributions recognizing Ralph's significant efforts in ensuring the fiscal health of the Institute and his firm support of its excellence. It was the intention of Ralph and Doris that the Hansmann Membership be used for the benefit of the entire Institute, and that it be designated on an annual basis at the discretion of the Director. The first Hansmann Member was named in 1996/97.

Ralph Hansmann's association with the Institute has spanned the tenure of five Directors – J. Robert Oppenheimer, Carl Kaysen, Harry Woolf, Marvin L. Goldberger and Phillip A. Griffiths. Ralph, who helped steer the institution through tumultuous times, is confident that the Institute environment has never been as harmonious as it is now. Pleased with the many new initiatives such as the Program in Theoretical Biology and the Artist-in-Residence program, as well as with the outstanding Faculty appointments, he noted that, "As an early professor, Einstein set a tone of excellence for this institution that continues to this day."

Although now retired, Ralph Hansmann commutes several days each week from his New Jersey home to the New York office he still shares with Bill Golden. A Life Trustee of Hamilton College, he also remains active on the Board of Trustees of the New York Public Library, and serves as its treasurer.

Just as Harold Linder drew him into the Institute fold, Ralph noted that in his turn, he is enormously pleased to have been instrumental in helping to recruit two Trustees, Helene Kaplan and Robert Menschel. When pressed, however, Ralph conceded that his greatest accomplishment during his time on the Board was having helped put the Institute for Advanced Study on a firm financial footing. ■



## News from the Association of Members of the Institute for Advanced Study (AMIAS)



◀ *James D. Wolfensohn talks with former Institute Members in Washington, DC. Mr. Wolfensohn, who is President of The World Bank, spoke on "Post September 11 Global Economic Prospects and Challenges for the Future" at a gathering for AMIAS members and friends last February.*



◀ *In April, Institute Director Phillip Griffiths hosted AMIAS members in Paris at a lecture by Neil Stratford, a Member in the School of Historical Studies in 1998–99. Mr. Stratford spoke about his experiences as Keeper of Medieval and Later Antiquities at the British Museum in London for 23 years. He is currently Professor of Medieval Art at the Ecole Nationale des Chartres in Paris.*

*Among those attending the lecture were (left to right) Paul Malliavin, a Member in the School of Mathematics in 1954–55, 1960–61, 1966–67, and 1972–73, currently on the faculty of the Université Paris VI, Paris; Jacob Palis, Director of the Instituto de Matematica pura e Aplicada (IMPA), Rio de Janeiro, Brazil, and President of the International Mathematical Union (IMU); and Jean-Michel Bismut, a Member in the School of Mathematics in 1983-84 and 1993-94, now a faculty member at the Université Paris-Sud, Orsay.*



*Enjoying the Friends Picnic are Ted Meth and Barbara F. Graham (photo left) and Martin Chooljian and Mary Evslin (photo right).*

The annual meeting and picnic of the Friends of the Institute for Advanced Study took place on May 29 at Olden Farm, the home of Phillip and Marian Griffiths. At the meeting, four new members were

elected to the Friends Executive Committee: John Clarke, Tom Evslin, Suzanne Keller, and John Rassweiler. They join current Executive Committee members William Bardel, Chair, Elizabeth Baughan, Aiden Doyle, Tina Greenberg, Robert Johnston, Ann McGoldrick, Diane Rosenberg, Arnold Snider, Judith Thomson, Fong Wei, and Donald Wilson.



The Institute notes with sadness the passing of the following Friends during the past year.

*Wells Drorbaugh  
Walter Gips  
Lucia de Grazia  
Anne Rassweiler*



*(above) Listening to Mr. Wolfensohn's remarks are (left to right) Professor Juan Maldacena; Princeton Township Mayor Phyllis Marchand; Institute Director Phillip Griffiths; New York City Mayor Michael Bloomberg; Institute Trustee Martin L. Leibowitz; and Congressman Rush Holt.*



*“As you all know, Mayor Bloomberg has built corporate empires by providing answers that people in business are seeking, but he has shown here that he is also interested in empires of the mind. Perhaps his longer-lasting contribution to this world will be providing this place for people to form questions.”*

*– Rush Holt, U.S. Representative (NJ-12)*

*“Bloomberg Hall is named for Michael R. Bloomberg, Mayor of the City of New York and Founder of Bloomberg L.P., in deep appreciation of his magnificent dedication and support as a Trustee of the Institute for Advanced Study. Today we recognize the work of the many individuals whose efforts have created, and continue to create, the School of Natural Sciences, and whose abilities have permitted it to make significant contributions to science.”*

*– Phillip A. Griffiths, Director, Institute for Advanced Study*



*“Bloomberg Hall brings together under a single roof the astrophysicists and the particle physicists, and there’s already been a lot of interaction. We meet; we try to learn from each other and see what we can do to unify the small and the big.”*

*– Juan Maldacena, Professor, School of Natural Sciences, Institute for Advanced Study*



*The Institute for Advanced Study extends deep appreciation to Trustee Brian F. Wruble for honoring his wife, Kathleen Bratton, with a special gift to purchase the grove of hawthorne trees that are incorporated in the work of artist Mary Miss.*

## Bloomberg

(Continued from page 1)

was Kehrt Shatken Sharon Architects. Both firms received the highest award of the New Jersey Chapter of the Architectural Institute of America for their design.

Planning for Bloomberg Hall was a collaborative process between the architects and the Faculty of the School of Natural Sciences, who created specifications for the new structure and requested a building that evoked a "sense of collaboration, warmth, and friendliness while facilitating quiet, individual study and research." They wanted the design of Bloomberg Hall to encourage and stimulate the community the School creates, and to support formal and informal interactions. At the heart of the building is the new 25' x 50' Common Room, which serves as gathering room; coffee and tea room; mail room; browsing room; and transparent garden room overlooking both the Entry Court and the Garden Court. Slate-covered walls serve as blackboards, and workstations are provided here as well as current newspapers, magazines, and journals.

With its overall plan as a group of connected building wings which create garden courtyards, Bloomberg Hall continues a venerable and lively academic tradition. ■



*Joseph J. Atick, Chairman, CEO and Co-founder of Visionics Corporation, now Identix, Inc., gave a presentation for Institute alumni and friends on January 7 in New York City. Identix is a worldwide leader in identification technologies and systems, offering a comprehensive set of biometric identification products. Dr. Atick was a long term Member of the Institute's School of Natural Sciences in the early 1990s, during which time his research began to focus on neural cybernetics. He has a Ph.D. in mathematical physics from Stanford University.*

The Institute for Advanced Study was the beneficiary of several major bequests this past year. We deeply appreciate the generosity of the following individuals who chose to provide for the Institute in a significant way when making their estate plans.

*Ruth Cherniess  
William Axer Graham  
Mary Mac Cono  
Jael Nathan  
Lowell Schoenfeld  
Carolyn B. Snider*

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