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MILLENNIUM COMMUNITIES HANDBOOK

WHITE HOUSE MILLENNIUM COUNCIL

J A N U A R Y 1 9 9 9

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MILLENNIUM MATINEE

PHOTOCOPY
PRESERVATION

THE WHITE HOUSE

WASHINGTON

June 12, 2000

Welcome to a Millennium Matinee at the White House. Our program today, *Exploration: Under the Sea, Beyond the Stars* continues a series of gatherings initiated in 1998 with artists, scholars, scientists and creative individuals from many fields whose ideas will help us honor our past and imagine our future as we enter the new millennium. Carrying forward the excitement of our national celebration on New Year's Eve, these events will continue through the year 2000 as a meaningful commemoration of this historic milestone.

For generations, people have endeavored to understand the unknown and expand the boundaries of their knowledge. From the explorers who ventured across the ocean to American shores, to the Lewis and Clark expedition and others who pushed Westward, to the Apollo astronauts, we have never halted our quest for discovery. That spirit of exploration is more alive than ever, taking us deep into the ocean and out into the farthest reaches of space.

We are privileged to have renowned scientists Dr. Marcia McNutt and Dr. Neil de Grasse Tyson with us today to discuss the exciting advances in the fields of deep sea and deep space research. This afternoon we will examine how new discoveries in these two areas continue to encourage human inquiry and alter humanity's perception of our place in the universe.

This afternoon's program continues our commitment to cybercast this series of discussions from the East Room of the White House. Internet users worldwide will join us by logging on to the White House or Sun Microsystems web sites, and we will take questions from some of them during the program. Today's event is also being broadcast via satellite to audiences worldwide. I am especially pleased that our audience includes area elementary and high school students who have extensively studied these subjects.

It is a pleasure to have you join us here in the "people's house" as we anticipate the 200th anniversary of the White House in this millennial year. It is our hope that today's program will leave us all with a renewed spirit to honor our past and imagine our future.

Hilary Rodham Clinton



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Honor the Past—Imagine the Future

EXPLORATION UNDER THE SEA – BEYOND THE STARS

Co-sponsored by:

THE NATIONAL ENDOWMENT FOR THE HUMANITIES

The National Endowment for the Humanities is an independent federal agency created by Congress in 1965. Through funding support in the areas of preservation, education, research and public programs, NEH promotes knowledge of human history, thought and culture.

With major support from:

SUN MICROSYSTEMS

Sun Microsystems is one of America's fastest-growing companies. It was founded in 1982 by four computer pioneers who shared a vision of open system, network computing. This network approach also has been influential in developing the Internet. The company is now a global Fortune 500 leader with operations in 150 countries.

And further support from:

THE U.S. DEPARTMENT OF EDUCATION

The U.S. Department of Education was established on May 4, 1980 by Congress. Its mission is to ensure equal access to education and to promote academic excellence throughout the country. The Department provides national leadership in educating America's 53 million K-12 students.

THE HOWARD GILMAN FOUNDATION

Established in 1981 by the late Howard Gilman, Chairman of the Board of Gilman Paper Company, the Howard Gilman Foundation seeks to nurture and conserve a vibrant cultural and natural environment and to support medical research.



WHITE HOUSE
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Honor the Past—Imagine the Future

ACKNOWLEDGMENTS

The White House Millennium Council wishes to thank the National Aeronautics and Space Administration, the Library of Congress, the Navy Museum and the Smithsonian Institution for the exhibition on display in the Grand Foyer.

National Aeronautics and Space Administration (NASA), is dedicated to exploring space and spreading the unique knowledge that flows from aeronautics and space research. With cutting edge scientific discoveries and technological developments such as the Space Shuttle and the Hubble Space Telescope, NASA keeps America at the forefront of scientific research, which is one of the driving forces of the new economy.

The mission of **The Library of Congress** is to make its resources available and useful to the Congress and the American people and to sustain and preserve a universal collection of knowledge and creativity for future generations. The Library continues to be a generous and creative collaborator on Millennium Evenings at the White House, drawing on its collections and creativity to design exhibits that enrich the programs presented.

The Navy Museum was established in 1961 to preserve and display historic naval artifacts and artwork to inform and inspire naval personnel and the public. The Museum's exhibitions commemorate the Navy's wartime heroes and battles as well as its peacetime contributions in exploration, diplomacy, and humanitarian service. The Department of the Navy Ship Model Collection depicts the rich tradition of the United States Navy.

The sixteen museums and galleries, the National Zoo, and the four research institutes of **The Smithsonian Institution** are dedicated to the "increase and diffusion of knowledge." The National Museum of Natural History pursues the understanding of the natural world and our place in it. The National Air and Space Museum maintains the largest collection of historic air and spacecraft in the world and is a vital center for research into the history, science, and technology of aviation and space flight.



WHITE HOUSE
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Honor the Past—Imagine the Future

WHITE HOUSE MILLENNIUM COUNCIL

The President and Mrs. Clinton created the White House Millennium Council in 1997 to give every American an opportunity to mark the millennium through meaningful activities that honor our democracy, strengthen our communities and leave lasting gifts to the future. The Millennium Council works with federal agencies, state and local governments, nonprofit organizations, and private sector partners to develop collaborative projects and partnerships. The excitement of turning the clock to the year 2000 on New Year's Eve unified the world in the commemoration of this historic time, and the Millennium Council continues to work with communities around the country to leave a legacy that celebrates the national theme of "Honor the Past – Imagine the Future."

In cooperation with local elected officials, The White House Millennium Council has awarded the **Millennium Community** designation to over 550 cities, towns, counties and Native American tribes that have taken a leadership role in marking the new millennium. **Save America's Treasures** is a public-private partnership to preserve the nation's historic sites, documents and artifacts in danger of deterioration. President Clinton requested and Congress approved \$60 million over two years through the National Park Service to Save America's Treasures across the country, including such icons as the Star-Spangled Banner. The private Millennium Committee to Save America's Treasures, organized by the National Trust for Historic Preservation with Mrs. Clinton as its Honorary Chair, has raised over \$40 million to preserve our national treasures.

The Millennium Council produces **Millennium Evenings at the White House**, a series of lectures and cultural showcases that highlight American creativity and inventiveness through our ideas, art and scientific discoveries. These programs feature prominent scholars, scientists, artists and other visionary thinkers and are accessible to the public by satellite broadcast and cybercast over the Internet. **Millennium Trails**, a national initiative that helps create, extend or improve hundreds of recreational, scenic and historic trails, is a cooperative project with the U.S. Department of Transportation and other federal agencies, the Rails to Trails Conservancy as well as many local organizations. **Millennium Green**, a project comprised of seven federal agencies, under the leadership of the U.S. Department of Agriculture, and many private partners, encourages everyone across the nation to plant a tree, establish a garden, or protect or care for a special natural resource treasure in honor of the new millennium.

The White House Millennium Council is developing innovative programs that will prepare American students to imagine the future. The **Mars Millennium Project** challenges students to design an ideal community on the planet Mars in the year 2030 by drawing upon the disciplines of the arts, humanities and sciences. This project is a partnership with the U.S. Department of Education, NASA, and the National Endowment for the Arts. **My History is America's History**, a project with the National Endowment for the Humanities, encourages students and their families to research their own stories as integral parts of American history and to preserve documents, photographs and other artifacts.

Recognizing the international significance of the millennium, the White House Millennium Council is cooperating with countries around the world to develop projects that emphasize preservation of cultural and natural resources, encourage tourism and the imaginative use of technology, and engage all the world's children to create a positive vision for the future.



WHITE HOUSE
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Honor the Past—Imagine the Future

“This is more than a unique moment for our calendar. It is also a unique moment for our country. There is no better moment to reflect on our hopes and dreams, and the gifts we want to leave our children; no better opportunity to open a new chapter of progress and possibility for all people; no better time to join hands and build the one America of our dreams; no better time to be a truly good neighbor to the people of the world who share this smaller and smaller planet of ours.”

President William J. Clinton

“If we make this historic millennial year a time for thanksgiving, each one of us will be able to not merely think of what we might want, or what we would wish for, but what we can do to create the future we all hope and dream for. I hope that all of us will think of our own ways of giving gifts to the future and imagine the kind of world we could help to create.”

Hillary Rodham Clinton



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MARCIA McNUTT

Marcia McNutt is the President and Chief Executive Officer of the Monterey Bay Aquarium Research Institute (MBARI) in Moss Landing, California. Her main area of research involves the study of the physical properties of Earth beneath the oceans, using data collected on nearly two dozen oceanographic expeditions. Dr. McNutt is respected as one of the top experts in her field and is often invited to lecture at leading universities both nationally and internationally.

Throughout her career, Dr. McNutt has spent a great deal of time at sea. She has participated on 14 oceanographic expeditions on ships from Scripps, Woods Hole, Oregon State University, and Columbia University. She was co-chief scientist on numerous expeditions, including the Crossgrain 2 marine geophysical expedition to the Marquesas Islands and the R/V Ewing EW9103 multichannel seismic expedition to French Polynesia. Before joining MBARI, she spent 15 years at MIT researching and teaching in geophysics, and served as the director of the Joint Program in Oceanography and Applied Ocean Science and Engineering, a joint program between MIT and the Woods Hole Oceanographic Institution.

Dr. McNutt is president-elect of the American Geophysical Union, one of the leading international scientific societies. She is a member of numerous professional organizations, including the American Association for the Advancement of Science, and the Geological Society of America. Dr. McNutt has published numerous journal articles investigating the strength of Earth's tectonic plates, their thermal evolution, and the interaction of the plates with the underlying convection patterns in the deep Earth. Her special interest is examining the formation of oceanic volcanic islands such as Hawaii and Tahiti whose origin cannot be explained by plate tectonic processes. She has been an Associate Editor and guest editor for the *Journal of Geophysical Research*.

Born and raised in Minnesota, Dr. McNutt graduated *summa cum laude* in physics from Colorado College. She then earned her Ph.D. in Earth Sciences from the Scripps Institution of Oceanography in La Jolla, CA. Dedicated to teaching, Marcia McNutt greatly enjoys explaining to adults and students what deep-sea discoveries mean to science and to our lives.



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NEIL DE GRASSE TYSON

Astrophysicist **Neil de Grasse Tyson** is the Frederick P. Rose Director of the renowned Hayden Planetarium in New York City. His areas of research include dwarf galaxies, exploding stars and the evolution of the Milky Way, pulling data from telescopes in the U.S. and the Andes Mountains of Chile. He oversees the planetarium's new facilities while serving as a visiting professor of astrophysics at Princeton.

Dr. Tyson's writings are extensive, including such books as *One Universe: At Home in the Cosmos* and *The Sky is Not the Limit: Adventures of an Urban Astrophysicist*. He has published numerous scholarly articles and in 1995 became a monthly essayist for *Natural History Magazine*, bringing complicated abstract ideas to a nonscientific audience. Dr. Tyson appears often on television, most recently on NBC Nightly News with Tom Brokaw discussing the May 5, 2000, planetary alignment; on the recent PBS documentary, *Windows to the Universe*; and on CBS Sunday Morning, discussing the new Rose Center for Earth and Space.

Throughout his career Dr. Tyson has served on numerous boards, and is currently a member of the Board of Directors of the *American Astronomical Society*, as well as a member of the National Research Council's committee for the Decadal Survey in Astronomy and Astrophysics (Subcommittee on Education and Public Policy). He has been appointed to NASA's Space Science Advisory Committee and elected to the Board of Directors of the Planetary Society and the Board of Directors of the Astronauts Memorial Foundation. He also has been awarded four honorary degrees.

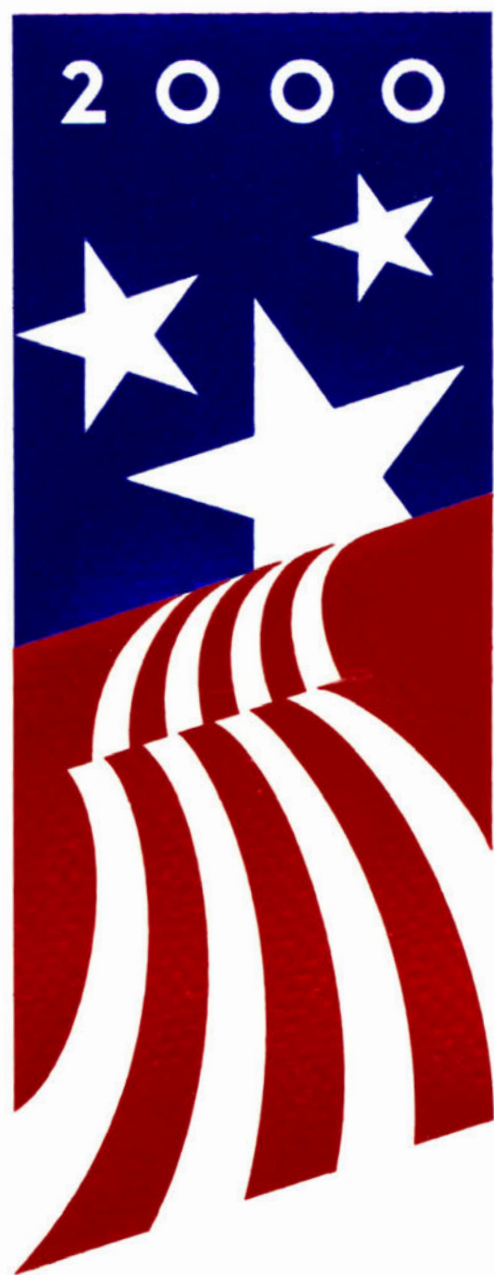
A New York City native, Dr. Tyson attended the Bronx High School of Science, where he will return in two weeks to deliver this year's commencement speech. He took his love of mathematical puzzles and outer space to Harvard University, where he earned a BA in physics, and then to Columbia University, earning his Ph.D. in astrophysics. As director of the Hayden Planetarium, Neil de Grasse Tyson enjoys helping the next generation of space explorers expand their cosmic horizons.

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