

Scuds, once a Scud was launched, the U.S. had no means to stop the Scud except for the short-range Patriot. Iraq was able to effectively use space for its ballistic missiles as the U.S. had no ballistic missile defenses in space.

#### HEAVY LIFT BOOSTER

The U.S. has needed a heavy lift booster capability for decades. While the Space Shuttle comes close to meeting this need, its payload has been cutback for safety considerations. Lockheed Martin's Titan IV-B is still proving itself, and lacks the capability for launching large, very heavy payloads such as a laser for missile defense.

The opening of the international space launch market to international consortiums has resulted in the development of heavy lift booster capability by Russia, China, and Europe's Ariane. Free trade issues would call for laissez-faire. In some respects, the application of Nunn-Lugar to the Proton launch vehicle has blurred free trade and defense issues for the goal of softening Russia's economic collapse.

Concern over the transfer of critical ballistic missile and satellite technology to Russia can be tempered with the knowledge that Russia has developed sophisticated ballistic missile technology. U.S. policy, however, needs to take on broader view.

1. We need to clarify our foreign policy goals with Russia. The support of free enterprise and democracy must continue in this country in transition.

2. We need to develop a U.S. heavy lift booster, if only because we will not be able to rely on international consortiums in time of war.

The class of heavy lift booster we need should be capable of putting into orbit a payload of the same size and weight as a chemical Space Based Laser. This would call for a payload bay capable of supporting an 8 meter diameter mirror (possibly larger), and a payload weight of nearly 80,000 pounds. Furthermore, this heavy lift booster will need to be capable of launching this payload into Medium Earth Orbit, at altitudes of about 600-750 miles.

#### SPACE POLICY

Space is a medium for the projection of global power, a theater for deploying ballistic missile defenses, and a frontier for development. German rocket scientists in World War II recognized the potential of space for world-wide domination, developing the German V-2 as a precursor to building intercontinental ballistic missiles, and developing plans for a large solar lens and spaceplanes such as the Sänger glide bomber that would use the upper atmosphere to coast to targets around the world.

The threat of long range ballistic missiles armed with nuclear weapons became obvious to defense leaders and scientists in the 1950s. They wanted to use space for intercepting and destroying long range ballistic missiles. The 1958 "Argus" experiment, exploding small nuclear warheads in space to energize electrically charged particles, was an at-

tempt to devise a global approach to ballistic missile defense using space. On another track, Project Defender anticipated the use of space for deploying interceptors to defend against long range ballistic missiles.

Development of a U.S. heavy lift booster is essential for the U.S. to realize its future in space. Space is essential for deploying ballistic missile defenses, especially high energy lasers that can take advantage of the long lines of sight found in space, and offer a boost phase defense capability with their speed of light operation.

Space is at the edge of being developed as a medium for the projection of global power, a theater for operating defenses against intermediate and long range ballistic missiles, and an economic frontier, especially with the discovery of water on the moon.

How we develop space is critical. We will need to deploy ballistic missile defenses in space, and we will need to defend our investment in space against the encroaching programs of China and Russia. Space also offers itself as a medium for applying and developing advanced technology, and can restore our leadership in defense and advanced technology.

It will do very little good for the U.S. to deny itself the use of the Russian Proton heavy lift booster, especially when the Clinton administration has not taken the lead in creating a U.S. heavy lift booster. For the sake of its future in space and its defense, the U.S. needs to build its own heavy lift booster.

Mr. Speaker, Mr. Hughes has provided insightful considerations and recommendations for the development of future U.S. space policy. Such informed and practical forward-thinking by American men and women is what made our nation the world's economic, political, military, and industrial superpower.

#### ELLIS ISLAND MEDALS OF HONOR AWARDS CEREMONY

#### HON. DAN BURTON

OF INDIANA

IN THE HOUSE OF REPRESENTATIVES

*Tuesday, June 22, 1999*

Mr. BURTON of Indiana. Mr. Speaker, I submit the following:

#### ELLIS ISLAND MEDALS OF HONOR AWARDS CEREMONY—NECO CHAIRMAN WILLIAM DENIS FUGAZY LEADS DRAMATIC CEREMONY

ELLIS ISLAND, NY, May 8.—Standing on the hallowed grounds of Ellis Island—the portal through which 17 million immigrants entered the United States—a cast of ethnic Americans who have made significant contributions to the life of this nation were presented with the coveted Ellis Island Medal of Honor at an emotionally uplifting ceremony.

NECO's annual medal ceremony and reception on Ellis Island in New York Harbor is

the Nation's largest celebration of ethnic pride. Representing a rainbow of ethnic origins, this year's recipients received their award in the shadow of the historic Great Hall, where the first footsteps were taken by the millions of immigrants who entered the U.S. in the latter part of the nineteenth century. "Today we honor great ethnic Americans who, through their achievements and contributions, and in the spirit of their ethnic origins, have enriched this country and have become role models for future generations," said NECO Chairman William Denis Fugazy. "In addition, we honor the immigrant experience—those who passed through this Great Hall decades ago, and the new immigrants who arrive on American soil seeking opportunity."

Mr. Fugazy added, "It doesn't matter how you got here or if you already were here. Ellis Island is a symbol of the freedom, diversity and opportunity—ingredients inherent in the fabric of this nation. Although many recipients have no familial ties to Ellis Island, their ancestors share similar histories of struggle and hope for a better life here."

Established in 1986 by NECO, the Ellis Island Medals of Honor pay tribute to the ancestry groups that comprise America's unique cultural mosaic. To date, approximately 1,100 ethnic American citizens have received medals.

NECO is the largest organization of its kind in the U.S. serving as an umbrella group for over 250 ethnic organizations and whose mandate is to preserve ethnic diversity, promote ethnic and religious equality, tolerance and harmony, and to combat injustice, hatred and bigotry. NECO has a new goal in its humanitarian mission: saving the lives of children with life-threatening medical conditions. NECO has founded The Children of the World Foundation which brings children from developing nations needing life-saving surgery to the United States for treatment. This year alone, NECO's efforts have helped save the lives of six infants from around the world.

Ellis Island Medal of Honor recipients are selected each year through a national nomination process. Screening committees from NECO's member organizations select the final nominees, who are then considered by the Board of Directors.

Past Ellis Island Medal of Honor recipients have included several U.S. Presidents, entertainers, athletes, entrepreneurs, religious leaders and business executives, such as William Clinton, Ronald Reagan, Jimmy Carter, Gerald Ford, George Bush, Richard Nixon, George Pataki, Mario Cuomo, Bob Hope, Frank Sinatra, Michael Douglas, Gloria Estefan, Coretta Scott King, Rosa Parks, Elie Wiesel, Muhammad Ali, Mickey Mantle, General Norman Schwarzkopf, Barbara Walters, Terry Anderson and Dr. Michael DeBakey.

CONGRATULATIONS TO THE 1999 ELLIS ISLAND MEDAL OF HONOR RECIPIENTS

#### MEDALIST LIST 1999

| Name                | Heritage           | Occupation                |
|---------------------|--------------------|---------------------------|
| Joseph V. Adamcik   | Slovak             | Religious Leader.         |
| Roger E. Ailes      | English/Scottish   | Media Executive.          |
| Frank Andrea, Jr.   | Italian            | Business Leader.          |
| Karl G. Andren      | Finnish            | Business Leader.          |
| Thomas A. Athens    | Hellenic           | Business Leader.          |
| Inge Auerbacher     | German             | Chemist/Author/Lecturer.  |
| Adrien Barbe        | Swiss              | Restaurateur.             |
| William G. Barry    | Irish/Dutch        | Business Leader.          |
| Hans W. Becherer    | German             | Business Leader.          |
| Marylou Berk        | Italian            | Business Leader.          |
| Morris Boller       | Austrian/Hungarian | Labor Leader.             |
| Karl L. Boeckmann   | German             | Business Leader.          |
| Nicholas J. Bouras  | Hellenic           | Business Leader.          |
| Douglas W. Brandrup | Danish             | Attorney/Business Leader. |
| Richard L. Bready   | Irish              | Business Leader.          |
| David V.B. Britt    | Welsh/English      | Educational Communiton.   |

## MEDALIST LIST 1999—Continued

| Name                        | Heritage          | Occupation                              |
|-----------------------------|-------------------|---|
| Bard E. Bunaes ..           | Norwegian         | Business Leader.                        |
| Renzo C. Casellini ..       | Swiss             | Business Leader.                        |
| Ping Kee Chan ..            | Chinese           | Community Leader.                       |
| Richard F. Chormann ..      | German            | Business/Community Leader.              |
| Hillary Clinton ..          |                   | Author, Attorney, Children's Advocate.  |
| John E. Connelly III ..     |                   | Military Officer.                       |
| Tony Conza ..               |                   | Entrepreneur/Business Leader.           |
| Antonia Cortese ..          |                   | Educator/Labor Leader.                  |
| Richard Clarke Crabtree ..  |                   | Entrepreneur.                           |
| Robert M. Devlin ..         |                   | Business Leader.                        |
| Derek E. Dewan ..           |                   | Business Leader.                        |
| Arturo DiModica ..          |                   | Artist.                                 |
| Martin P. Doolan ..         |                   | Business Leader.                        |
| Theofanis V. Economidis ..  |                   | Community Leader.                       |
| Peter C. Economus ..        |                   | US District Judge.                      |
| Riad Farah, M.D. ..         |                   | Physician.                              |
| Frank A. Fariello ..        |                   | Business Leader.                        |
| Andrew Farkas ..            |                   | Business Leader.                        |
| Herbert Feinberg ..         |                   | Business Leader.                        |
| Lawrence J. Ferolie ..      |                   | Business Leader.                        |
| George N. Fishman ..        |                   | Business Leader.                        |
| Joe T. Ford ..              |                   | Business Leader.                        |
| M. Irene Fugazy ..          |                   | Author/Educator.                        |
| George N. Fugelsang ..      |                   | Business Leader.                        |
| Mark E. Galantowicz ..      |                   | Surgeon.                                |
| Richard D. Gidron, Sr. ..   |                   | Government Health Leader.               |
| Rosa María Gil ..           | African           | Business Leader.                        |
| Tom Gleason ..              | Cuban             | Astronaut/Former US Senator.            |
| John Glenn ..               | Irish             | Business Leader.                        |
| Marc Goldman ..             |                   | Business Leader.                        |
| Ernest P. Gonzalez ..       | Russian/Polish    | Business Leader.                        |
| Virginia Hanrahan ..        |                   | Community Leader.                       |
| Fred Hassan ..              |                   | Business Leader.                        |
| James A. Henderson ..       |                   | Business Leader.                        |
| William J. Hudson ..        |                   | Business Leader.                        |
| H. Wayne Huizinga ..        |                   | Business Leader/Entrepreneur.           |
| Constantine Jordanou ..     |                   | Business Leader.                        |
| Thomas S. Johnson ..        |                   | Business/Community Leader.              |
| Quincy Jones ..             |                   | Producer/Composer.                      |
| Richard J. Kaminski ..      |                   | Business Leader.                        |
| George Kantakis ..          |                   | Business Leader.                        |
| Constantine N. Katsoris ..  |                   | Educator.                               |
| Raymond J. Kayal, Sr. ..    |                   | Business Leader.                        |
| Patrick E. Kelleher ..      |                   | Law Enforcement Officer.                |
| Sue Kelly ..                |                   | Member of Congress.                     |
| Jeong H. Kim ..             |                   | Business Leader.                        |
| Lila Kim ..                 |                   | Artist/Community Leader.                |
| Emanuel M. Kontokosta ..    |                   | Entrepreneur.                           |
| Edward Kopko ..             |                   | Business Leader.                        |
| Arthur G. Koumantzelis ..   |                   | Business Leader.                        |
| Robert Kenneth Kraft ..     |                   | Business Leader/Entrepreneur.           |
| Ute Wolff Lally ..          |                   | Justice.                                |
| Frank Lanza ..              |                   | Business Leader.                        |
| Michael D. Lappin ..        |                   | Community Leader.                       |
| Peter N. Larson ..          | Russian           | Business Leader.                        |
| Kun Y. Lee ..               | Norwegian/Eng/Ger | Community Leader.                       |
| Kenneth R. Leibler ..       | Korean            | Business Leader.                        |
| Vernon R. Loucks Jr. ..     | Scottish          | Business Leader.                        |
| Alex Machaskee ..           | Polish            | Business Leader.                        |
| Paula Madison ..            | Hellenic          | Business Leader.                        |
| Nadine Malonis ..           | Polish            | Business Leader.                        |
| Nick Mamalakis ..           | Irish             | Business Leader.                        |
| Andrew E. Manatos ..        | Irish             | Community Leader.                       |
| Charles Marangoudakis ..    | Irish             | Community Leader.                       |
| Victor Marrero ..           | Irish             | Entrepreneur.                           |
| Ross Mattus ..              | Irish             | Ambassador.                             |
| John M. Mavroudis ..        | Irish             | Business Leader/Entrepreneur.           |
| H. Carl McCall ..           | African           | Business Leader.                        |
| Richard D. McCormick ..     | Irish             | NYS Comptroller.                        |
| Marianne McDonald ..        | Irish             | Business Leader.                        |
| James M. McGuire ..         | Irish             | Educator/Author.                        |
| Robert Merrill ..           | Irish             | Attorney.                               |
| Barbara A. Mikulski ..      | Irish             | Opera Baritone.                         |
| Edward D. Miller ..         | Irish             | United States Senator.                  |
| Jolene Mortitz ..           | Irish             | Business Leader.                        |
| William T. Monahan ..       | Irish             | Administrator/Federal Railroad Adminis. |
| Angelo R. Mozilo ..         | Irish             | Business Leader.                        |
| Joseph T. Mullen ..         | Irish             | Mortgage Industry Leader.               |
| Arthur Nadata ..            | Irish             | Business Leader.                        |
| Vincent J. Naimoli ..       | Irish             | Entrepreneur.                           |
| Carolann S. Najarlan, MD .. | Irish             | Business Leader.                        |
| Robert C. Nakasone ..       | Irish             | Business Leader.                        |
| Wayne Newton ..             | Irish             | Entertainer/Actor.                      |
| Raymond T. O'Keefe, Jr. ..  | Irish             | Business Leader.                        |
| Thomas D. O'Malley ..       | Irish             | Business Leader.                        |
| Peter L. O'Neill ..         | Irish             | Business Leader.                        |
| Nicholas P. Papadakos ..    | Hellenic          | Business Leader.                        |
| Tom Pappas ..               | Hellenic          | Jurist.                                 |
| Poozant Piranian ..         | Armenian          | Educator/Labor Leader.                  |
| John J. Pomerantz ..        | Armenian          | Community Leader.                       |
| Lois Berrodin Pope ..       | Armenian          | Business Leader.                        |
| Charles G. Preble ..        | Polish/Austrian   | Community Leader/Philanthropist.        |
| Heinz C. Prechter ..        | French/Welsh      | Business Leader.                        |
| Richard B. Priory ..        | Eng/French/Irish  | Business Leader/Entrepreneur.           |
| Rodney R. Proto ..          | German            | Business Leader.                        |
| Max Recone ..               | Irish/Eng/Dutch   | Business Leader.                        |
| William Rehnquist ..        | Italian           | Business Leader.                        |
| Victor M. Richel ..         | Ukrainian/Polish  | Business Leader.                        |
| Richard Dean Rockwell ..    | Swedish           | Chief Justice.                          |
| Eric A. Rose, MD ..         | Italian           | Business Leader.                        |
| Jack Ryan ..                | Austrian          | Business Leader.                        |
| Edward San Luis ..          | Russian/Austrian  | Physician.                              |
| Michael Sawruk ..           | Irish             | Labor Leader.                           |
| Lewis D. Schillire ..       | Filipino/English  | Business Leader.                        |
| Irving Schneider ..         | Ukrainian         | Business Leader.                        |
| Berge Setrakian ..          | Italian           | Entrepreneur.                           |
| Richard C. Shadyac ..       | Russian/LebANESE  | Law Enforcement Officer.                |
| Clarence O. Smith ..        | Armenian/LebANESE | Business Leader.                        |
| Joseph A. Spinelli ..       | Lebanese/Irish    | Community Leader.                       |
| Nicholas J. St. George ..   | African           | Non-Profit CEO.                         |
| Dickran Tevriyan ..         | Italian           | Entrepreneur.                           |
| Charles F. Thomas ..        | Armenian          | Business Leader.                        |
|                             | Irish/English     | Judge.                                  |
|                             |                   | Business Leader.                        |

## MEDALIST LIST 1999—Continued

| Name                         | Heritage          | Occupation                          |
|------------------------------|-------------------|-------------------------------------|
| Marlo Thomas .....           | Lebanese/Italian  | Actress, Producer, Social Activist. |
| John M. Tsimbios .....       | Hellenic          | Business Leader.                    |
| Nicholas A. Tzimas, MD ..... | Hellenic          | Physician.                          |
| Louis V. Varone .....        | Italian           | Real Estate Broker.                 |
| George R. Wackenhor .....    | German            | Business Leader.                    |
| Christine M. Warneke .....   | Hellenic/German   | Community Leader.                   |
| Mark H. Willes .....         | English           | Business Leader.                    |
| Susan J. Willis .....        | Russ/Eng/Pol/Aust | Community Leader/Entrepreneur.      |
| John Wren .....              | Irish             | Business Leader.                    |
| Alejandro Yemendjian .....   | Armenian          | Business Leader.                    |
| George Younan, MD .....      | Lebanese          | Diplomat in Internal Medicine.      |