

## Aerospace Medical Association Foundation Annual Report January, 2012

The Aerospace Medical Association Foundation is a 501(c)(3) corporation founded in 2006 to support scientific and educational purposes including the advancement of knowledge in aerospace medicine, research, and educational programs. The Articles of Incorporation were restated and approved by the State of Virginia in 2011 in order to widen the ability of the Foundation to support the Aerospace Medical Association, aerospace medicine, and the allied fields. The Foundation completed an exceptional year in 2011. There were a total of 21 individual donors and two business or business-related foundation donors. Funds received in 2011 included \$100,000 from the Silvia and Walter Goldenrath Trust and \$10,000 from the Charles E. and Lillian W. Billings Estate. The Foundation continues to partner with the Society of NASA Flight Surgeons and the Space Medicine Association in addition to managing the Stanley R. Mohler Endowed Fund. Fiscal year 2011 contributions to the Foundation totaled \$124,672.86, and the Foundation's total holdings are \$221,624.76 .

In 2011, the Foundation's Pooled Investment Fund did very well and continued the growth that has been maintained since the initial investment in August, 2009. The Pooled Investment Fund is held in a diversified portfolio that includes an asset allocation between equities and bonds. The investment strategy set by the Foundation's investment committee seeks consistent returns with limited volatility, preservation of capital, and low costs to fund awards and scholarships. The Foundations equity portfolio returned 10.6% for the 12 months ending December 31, 2011 with expenses of 0.31%. The bond portfolio had a total return of 7.72% with expenses of 0.22%. The Foundation Board of Directors recently approved the transfer of the Pooled Investment Funds to a professionally managed portfolio through the Hardesty Investment Group, and this change will be made in January, 2012. However, Hardesty's investment strategy of asset allocation that is designed to produce income, growth, low volatility, low risk and low expenses remains consistent with the Foundation's investment policy. Due to extreme volatility in the stock market and bond markets in 2011, the Board elected to retain most of the new 2011 donations in cash equivalents. All new endowed funds will be invested early in 2012 as will a portion of the Foundation's unrestricted funds.

An important function of the Foundation and its partners is the annual presentation of awards, grants, scholarships, and educational programs to individuals in our field. The 2011 Stanley R. Mohler, M.D. Endowed Scholarship was awarded to Dr. Charles Mathers. The purpose of the Mohler Scholarship is to provide training grants and awards to help students and residents in aerospace medicine fund their studies or research activities. Dr. Mathers attended Rice University and medical school at UTMB. He is completing the combined IM/ASM program and was selected outstanding intern and outstanding overall IM resident. His study Head Acceleration Measurement in Rough Stock Riders contained break-through data for the sports medicine field and helped develop the technology for future application in aerobatic pilots, the Stratos Project, and

spaceflight. The Mohler scholarship winner is selected by the AsMA Foundation Board of Directors, and in 2011 there were many applicants and the competition was very keen.

The Foundation's bequest from the trust of Walter and Silvia Goldenrath specified language that an annual award be created that distributes the greater of (i) Two Thousand Dollars (\$2,000) or (ii) eighty percent of the endowment fund's net income earned during the previous calendar at the Association's Honors Night Banquet. The award is to be given to the individual who made the greatest contribution to aerospace physiology in the previous year. The Foundation has teamed with the Aerospace Medical Association, AsMA executive director and Awards Committee, and the Aerospace Physiological Society to create the awards process and selection committee to select the first award recipient for presentation in Atlanta, Georgia.

The Board of Directors considers 2011 a solid year for the Foundation, and by the support the Foundation has received, we know that AsMA members understand the importance of supporting the broad field of aerospace medicine and its allied fields, and particularly those early in the career. We view the future with confidence and are happy that so many have helped the Foundation as it seeks to support aerospace medicine and to honor and support deserving students, physiologists, nurses, physicians, technicians, scientists, educational programs and research efforts that will provide a brighter and safer tomorrow.

### **Foundation Board of Directors**

Based on the Bylaws of the Foundation, the Board of Directors must have eight Board members who are active members of AsMA, and three of these must be past presidents of the Association. The executive director of AsMA also serves on the Board. Board members in 2011 are:

George Anderson  
Melchor Antunano  
Jeffrey Davis  
Robert Ellis  
Richard Jennings

William Mitchell  
Ramon Mompell  
Peach Taylor  
Jim Vanderploeg  
Jeff Sventek

## **2011 Foundation Donors**

The AsMA Foundation would like to thank the following donors who have generously supported the Foundation and the field of Aerospace Medicine in 2011.

### **Businesses and Organizations**

Environmental Tectonics Corporation  
Nino R. Vaghi Foundation, Inc

### **Individuals**

George K. Anderson  
Charles A. Berry  
Charles E. and Lillian W. Billings Estate  
Daniel J. Callan  
Harry L. Gibbons  
Silvia and Walter Goldenrath Trust  
Richard Jennings  
Robert Johnson  
Jeffery A. Jones  
Guohua Li  
Lawrence Marinelli

David P. Millett  
William F. Mitchell  
K. Jeff Myers  
Stanley R. Mohler  
Russell B. Rayman  
Harlan Ribnik  
Roland H. Shamburek  
George P. Taylor  
Thomas J. Tredici  
James M. Vanderploeg

The AsMA Foundation has made every effort to assure that this list is complete, but we acknowledge that errors may occur. Please report any errors to the Foundation.

## **Foundation Investment Approach**

The Foundation's investment strategy is defined by our investment policy and managed by the investment committee. Endowment gifts for the benefit of aerospace medicine are placed in a Pooled Investment Fund (PIF) that is managed by Foundation's investment committee within the guidance of the Foundation's written investment policy. The investment committee seeks investment returns through asset allocation in a diversified portfolio and investment instruments that are consistent with the investment policy. In 2011, the Foundation evaluated different strategies to accomplish its goals. The increase in Foundation assets prompted the Foundation to seek professional management of the Foundations Pooled Investment Funds. The Hardesty Investment Group was chosen for this purpose. The ongoing goal is to manage funds in the PIF to minimize expenses and volatility, preserve and safeguard principal, provide consistent annual returns to fund scholarships, fellowships, and grants, and generate enough additional revenue to cover or exceed inflation. By combining the various endowments into a single PIF, costs are minimized. Investment return is determined on the PIF as a whole and returns to each individual endowment vary depending on the timing of their donations. Investments of a

specific endowment fund to the PIF are made quarterly to aid in record keeping and facilitate determination of the fund's annual spending authority. In order to professionally track the individual funds and comply with IRS and State of Virginia requirements, the Foundation has employed the same accounting firm that supports the Aerospace Medicine Association.

### **Financial Summary**

This report has been prepared to provide information about the overall financial status, the 2011 fiduciary support of the Foundation, and the management and performance of the Pooled Investment Fund (PIF). It includes a summary of expenses, grants, scholarships, new gifts, investment returns and is prepared by the Foundation treasurer. In the future, expenses such accounting, attorney fees, office expenses, etc. will be an integral part of this summary, but to date the Foundation has been supported by voluntary effort.

<b>AsMA Foundation Activity</b>	<b>Year Ended Dec 31, 2010</b>	<b>Year Ended Dec 31, 2011</b>
Total Donations	33,775.00	124,672.86
Endowed Gifts	30,000.00	101,000.00
Unrestricted Gifts	3,775.00	26,672.86
Pooled Investment Fund Total	61,975.47	78,254.76
Bank Funds	20,200.00	143,370.00
<b>Expenses</b>		
Mohler Fund	(500.00)	(500.00)
Fellows Award	(1500.00)	
<b>AsMA Foundation Total Assets</b>	<b><u>\$84,175.47</u></b>	<b><u>\$221,624.76</u></b>

## **Fellows Scholarship**

The Foundation continues to be excited about AsMA Fellows Scholarship. In 2011, the award amount was increased to \$2,000. This program would not have been possible without the leadership of the AsMA Fellows, chair George Anderson, and a select scholarship committee working under Dr. Melchor Antunano. The annual scholarship is funded by the Foundation and is awarded to an AsMA member who is a student in an aerospace medicine residency program, graduate program in aerospace medicine (Master or Ph.D.), medical certificate or aerospace diploma course, or in a full time education/training program in the allied fields of nursing, physiology, human factors, psychology, ergonomics, engineering, etc. Selection criteria include delivering a slide or poster presentation as a first author at the AsMA Annual Scientific Meeting and then publishing a manuscript as first author in *Aviation, Space, and Environmental Medicine* based on the same topic and/or material covered in the slide or poster presentation. This scholarship continues to receive solid financial support from the membership of the Fellows.

## **Endowed Funds**

The Foundation is gratified that four endowed funds have been created. We are extremely happy to have the Society of NASA Flight Surgeons, Space Medicine Association, Walter and Sylvia Goldenrath Award for Aerospace Physiology, and Stanley R. Mohler Funds. Endowed funds are important for stability of annual grants, scholarships, and awards. Endowments provide a permanent partnership between the Foundation and the individual donor or organization. The legacy of the donors or honoree plays a role in the Foundation in perpetuity and provides a permanent source of income to advance achievement in aerospace medicine. During uncertain economic times, endowment funding provides a steady source of income for the Foundation when it is needed most. Spending authority for the endowed funds is adjusted annually and is based on the previous year's revenue as determined on December 31 and considers the extent of new gifts to the endowment. The Foundation attempts to have 5% of the fund total available for annual grants and scholarships. We are ready to assist any individual or group that would like to establish an endowed fund.

## **Giving to the Foundation**

We hope that you give serious consideration to making a contribution to the AsMA Foundation. Gifts to the Foundation support educational and scientific activities that may be out of reach for many of our young members. Your help with funding for grants, education, research, and awards through the Foundation is a covenant that we will not take for granted. As a 501(c)(3) organization under the IRS Internal Revenue Code, contributions to the Foundation are deductible under section 170 of the code. The Foundation is able to accept gifts, bequests, and transfers under sections 2055, 2106, or 2522 of the Code. The Foundation is happy to work with any individual, corporation, constituent or affiliated organization that have questions or would like information about the Foundation. Gifts do not have to be large to make a difference, and those who have partnered with the Foundation have already impacted aerospace medicine and its

allied disciplines. The Foundation is willing to work to establish named endowment funds or advise on gifts through estate planning. Many AsMA members may be able to make their ultimate gift through support of an endowed fund or favorite program through their estate planning process.

*No one who achieves success does so without the help of others. Alfred North Whitehead*

## Aerospace Medical Association Foundation

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Alexandria, VA 22314-3579  
832-752-7651



I would like to support the AsMA Foundation with a tax deductible contribution.

Name: \_\_\_\_\_

Gift Amount: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

I would like to discuss creating a named endowed fund, restricted purpose fund or other method of donation.

Phone Number: \_\_\_\_\_