



AIR FORCE MATERIALS AND MANUFACTURING ALUMNI ASSOCIATION (AFMMAA) NEWSLETTER

FOURTEENTH EDITION

SPRING 2011

PRESIDENT'S CORNER

Greetings to all the members and friends of the Alumni Association!

It appears that our proposed initiative to help the Materials and Manufacturing Directorate identify and document/display the most noteworthy contributions to the AF over the past few decades is finally picking up speed.

At our January membership meeting, held in conjunction with the Annual RX Awards Luncheon, we reported that the small subcontract that RX awarded to Universal Technology Corporation (UTC) last fall had produced significant results. In that short three month effort, led by Warren Johnson and supported by several alumni who also work for UTC, the following was accomplished:

- AFMMAA members were queried for additional significant contributions to augment the list that we communicated to you in the Fall Newsletter. This request also solicited detailed information on contributions from the personal files of alumni members - I want to personally thank all of you who responded to this request.
- The list of significant contribution areas as reported in the fall newsletter was expanded to over 75 areas.
- The data base of information at UTC was searched for applicable information against the list of 75 and a number of project files were assembled that contained background information, R&D objectives, achievements and payoff to the AF.
- AFMMAA members who were involved in each technology area were identified as potential participants in documenting the R&D effort and resulting contributions.
- The UTC team visited the Propulsion Directorate (AFRL/RZ) to observe the historical contribution displays in Building 18 – foyer and hallways.
- Several 75th anniversary documents & the 75th CD were reviewed, and
- An approach was conceptualized for the hallway wall displays in the Building 65X complex using several landmark technologies, as examples.

In January we had a short meeting with Dr. Stevens in which we showed her the growing list of contributions, provided her with a summary of the above accomplishments as well as examples of products from the effort. Dr. Stevens encouraged the AFMMAA to continue to develop the approach, and specifically requested that we find a way to organize the many contributions into major themes in support of the limited number of displays that will be possible in the complex.

Subsequently, George Schmitt, who is our AFMMAA representative in RX, took the detailed list of contributions and showed how it could be organized into major themes appropriate for displays in each division of RX.

Using this product, we met several times in February and March to develop an approach to the displays, as follows:

Lobby – show the directorate's most important contributions to key AF Sectors:

- Air
- Propulsion
- Space
- Sustainment
- Electronics
- Missiles
- Munitions

Divisions/Branches – display the most important division/branch contributions organized by decade. These would involve a broader number of significant technologies and be comprised of displays would be tailored by each branch/division:

- Descriptions of the contributions & significance
- Pictures
- Samples
- Key people (where appropriate)

We also proposed adding a set of displays outside the the Corporate Development Office (RXN) to recognize the important efforts in Leadership and Organizational Development, several Management Initiatives that proved vital to the lab and the key tenets of RX that have been developed and endured over the years.

(Continued on Page 2)

(President's Corner Continued)

In late March, we again met with Dr. Stevens to review this concept and propose an approach to move forward.

Dr Stevens then asked for us to provide her with a Statement of Work for a follow-on contractual effort to support this initiative and prepare to meet with the RX Executive Group in early June to launch this initiative. We hope to do this just prior to our semi-annual meeting (Dayton Engineers Club – 16 June).

As part of our discussions with Dr. Stevens, Tobey Cordell proposed that the Alumni Association help RX honor Astronaut Dr. Cady Coleman, an RX alumni now serving on board the International Space Station. Please see the article in this newsletter on what has been done in this regard.

So this is where we now stand. The SOW has been delivered to RX and we are awaiting word of its acceptance and the date of our engagement with the Executive Group. We will give everyone an update on the initiative at the June meeting. I'm looking forward to seeing all of you there!

Gary Waggoner,
AFMMAA President

ANOTHER LOSS

The AFMMAA lost another friend recently when George J. Thielen Jr. passed away unexpectedly on 22 December 2010 at age 72. Although he did not work in AFRL/RX, George worked at WPAFB for many years and was very active in the Affiliate



Societies Council of Dayton, **George J. Thielen Jr.** where he served as treasurer and assisted in the annual TechFest, which exposes young people to practical application of engineering and science and encourages them to pursue these career fields. George was an ASQ Certified Quality Engineer and was a senior member of the American Society for Quality, holding every office in the section. George attended many meetings and was a good friend to many AFMMAA members. He is survived by his wife Anne, sons George and Gregory, daughter Annette, three granddaughters and other family members.

RECENT MEMBER INFORMATION

During the year many of our members have provided comments for the AFMMAA website regarding their current activities and interests. We typically print member information in the Fall and Spring Newsletters. However, our Fall 2010 Newsletter was mailed late and we have not received any new comments since December. If you wish to share your recent activities or interests with others on the AFMMAA website, please send an email to Tom Cooper, the Editor, at tcooper@utcdayton.com or Dick Engman, the Secretary, at dkengman@msn.com.

NEXT MEETING OF THE AFMMAA

The annual AFMMAA members luncheon and business meeting will be held on Thursday, June 16, 2011, at the Engineers Club. It is scheduled to start at 10:30 a.m. RX members, alumni, and friends are welcome to attend. A buffet luncheon will be served at the price of \$20.00 each which will be payable to Tobey Cordell. The cost includes the meal (does not include wine or beer), tax, and club gratuity. **Reservations are required** by the Engineers Club. Please send your RSVP to Dick Engman at dkengman@msn.com NLT June 13, 2011.

Tentative Agenda

- 1030 Social Hour
- 1115 Welcome Gary Waggoner, President
- 1120 Dr. Kathy Stevens, RX Director Remarks
- 1140 Buffet Lunch
- 1215 Business Meeting
- 1330 Social Hour Continued



**AFMMAA MEMBERS IN ATTENDANCE AT THE SEMI-ANNUAL MEETING
AT THE HOPE HOTEL, WPAFB, OH**



**Front Row: Bob Cochoy, Tom Cooper, Dick Engman, Gary Waggoner, John Williamson, Dennis Naughton.
Back Row: Jerry Petrak, Al Gunderson, Bob Ruh, George Slenski, George Schmitt, Matt DiBiase, Don Schrader,
Vince Russo, Warren Johnson, Ken Kojola, Ed Kuhl, Bob Rapson, Terry Ronald, and Walt Griffith**

| | | |
|-----------------------------|--------------------------------|----------------|
| -- Meeting Attendees | | |
| Gary Waggoner, President | Matt DiBiase | Terry Ronald |
| John Williamson, Vice Pres | Ed Kuhl | Bob Ruh |
| Dick Engman, Secretary | Walt Griffith | Vince Russo |
| Tobey Cordell, Membership* | Allan Gunderson | George Schmitt |
| Dennis Naughton, Treasurer | Ken Kojola | Don Schrader |
| Tom Cooper, Newsletter | Jerry Petrak, Nominating Chair | George Slenski |
| Bob Cochoy, Scholarship | Bob Rapson | Warren Johnson |

**Not in photo.*

The AFMMAA held its bi-annual members meeting on January 14, 2011 at the Hope Hotel prior to the Annual RX Awards Ceremony. Twenty alumni and AFMMAA friends braved the winter weather. Warren Johnson discussed “Major Historical RX Contributions” the short term, initial contract work recently performed by Universal Technology Corporation. This work is in support of an AFMMAA initiative to identify and document the most noteworthy contributions of RX (ML) to the Air Force over the past few decades. The AFMMAA goal is to preserve the real story behind the important advancements and make these contributions visible to all visitors to RX. The AFMMAA is working with Dr. Stevens to continue this effort and possible planning for the RX(ML) 100th Anniversary Celebration in 2017.

The following provides brief highlights of the Board and Chairman Reports. Detailed minutes are posted on the AFMMAA web site. Jerry Petrak, Nominating Committee Chairman, is working to replace Dick Engman (Secretary) and Tom Cooper (Newsletter). The other board members have agreed to continue for another term. Dr. Charles Browning will be the new Scholarship Chairman. Thank you Dr. Bob Cochoy for your past work to make the scholarship program so successful (also see the Scholarship article). The Treasurer reported the CY 2010 financial status. The Dec 31, 2010 balance was \$6,755.38. Since 2007 our scholarship funding has received a total of \$4,617.99 from CFC, \$983.76 from United Way. Life Memberships continue to be very important for our scholarships and membership dues are critical for our operating expenses. John Williamson prepared the 2010 Annual Report which will be submitted to the Combined Federal Campaign for our 2011 membership renewal. Members and RX employees are making excellent CFC pledges to the AFMMAA which enables us to continue and possibly expand our yearly scholarships. The AFMMAA CFC Code is 85464. Tom Cooper reported the Fall Newsletter, the 13th Edition, was mailed on 4 Jan 2011. It was another superb job. However, Tom has expressed his desire to “retire” and a new Editor is needed. Please contact Tom or Jerry Petrak if you are interested. Tom has been the driving force behind the Newsletter since its inception. John Williamson reported the AFMMAA monthly luncheon get-togethers have been very successful with approximately 6 to 12 alumni attending each month. The luncheon schedule is emailed to local area alumni and friends. If you have a favorite spot or recommendation, please email John at johnw13@earthlink.com.



Astronaut Cady Coleman

currently on the International Space Station
as a crew member of Expedition 27

Nonmetallic Materials Division
Officer and Chemist
1988 to 1992

As a research chemist at the Materials Directorate of Wright Laboratory, Coleman synthesized model compounds for a wide variety of advanced optical applications, completed her PhD in polymer science and engineering, and served as a surface analysis consultant evaluating the effects of the space environment on new materials being evaluated on the Long Duration Exposure Facility (launched from STS-41C in 1984 and retrieved during STS-32 in 1990). In addition to her assigned duties, Coleman was a volunteer test subject for the centrifuge program at the Armstrong Laboratory where she set several endurance and tolerance records.

Dr. Coleman was selected by NASA to the Astronaut Corps in March 1992. She has served in numerous capacities including: special assistant to the Johnson Space Center Director; lead astronaut for long term space habitability issues; CAPCOM in mission control for both the space shuttle and space station; and chief of astronaut robotics training

She is a veteran of two space missions and prior to her current mission, had logged more than 500 hours in space.

Information provided by the AFMMAA



**FELLOW MATERIALS & MANUFACTURING DIRECTORATE ALUMNA AND
ASTRONAUT DR. CADY COLEMAN IS FLYING HIGH THESE DAYS**

She is currently a member of the Expedition 26 flight crew on board the International Space Station (ISS). Cady, who left the lab to join the astronaut corps in 1992 is a veteran of two space missions, and prior to her current mission has logged more than 500 hours in space.

She was a mission specialist on STS-73 Columbia (October 20 to November 5, 1995) – which was the second United States Microgravity Laboratory mission. This mission focused on materials science, biotechnology, combustion science, the physics of fluids, and numerous scientific experiments housed in the pressurized Spacelab module. Cady’s second mission was as the lead mission specialist on STS-93 Columbia (July 22-27, 1999) for the deployment of the Chandra X-Ray Observatory. In preparation for her Expedition 26 mission, Cady underwent extensive training for this long duration flight and served as the backup U.S. crewmember for Expeditions 19, 20 and 21 and as a backup crewmember for Expeditions 24 and 25.

On Expedition 26, Cady, along with fellow flight engineers Paolo Nespoli of the European Space Agency and Cosmonaut Dmitry Kondratyev, launched to the ISS from the Baikonur Cosmodrome in Kazakhstan on December 15, 2010 aboard a Russian Soyuz spacecraft. Expedition 26 will last approximately 6 months with a planned landing sometime this spring, again aboard a Soyuz spacecraft.

Fellow alumnus Tobey Cordell learned of Cady’s mission and suggested to Dr. Stevens that RX put up a display in the lobby of B653 to honor this achievement. The poster shown with this article (previous page) is a result of Tobey’s efforts, along with excellent support from RX Executive Officer Lt. Dave Fortson and RX staff members Lori Brown and Tim Anderl. It is now on display in the lobby. In addition, the lobby has a bank of video monitors that feature various accomplishments from RX R&D programs. Several videos of Cady in orbit are being shown over the next several months. If you are interested in seeing the three videos that are currently playing, go to http://www.nasa.gov/mission_pages/station/main/index.html.

On the top menu bar, click on multimedia and go to the video link on the far left side of the page. You will then be connected to the NASA video webpage, and be able to view a wide variety of videos, including live links to the ISS. The video selections on the right side of the page are updated each day, so the locations change frequently. However, as of this writing, the three videos now playing in the RX lobby can be located as follows:

- Cady plays a flute duet with Ian Anderson, honoring Uri Gagarin - 2 min. 24 sec, located on page 8.
- A St. Patrick’s Day Message - 4 min. 2 sec, located on page 9, and
- Flight Engineer Cady Coleman gives a ISS tour -- 8 min. 19 sec, located on page 10.

We think you will really enjoy these as well as others on the site.

So our heartiest congratulations to alumna Dr. Cady Coleman – all of us are proud of your contributions to the nation’s space program.



COMBINED FEDERAL CAMPAIGN

During the calendar year 2010, AFMMAA received \$1858.72 from Combined Federal Campaign contributions for our scholarship fund. In addition, AFMMAA received \$983.76 from the United Way of Dayton for past contributions that had not been allocated properly to AFMMAA. We are again receiving funds from 2011 CFC contributions and have recently been notified that we have been approved to participate in the 2012 CFC program.

LOSSES FROM THE RX (ML) FAMILY

We regret to inform you of the following losses from the RX Family that we have heard of since our last Newsletter. They include:

- | | |
|------------------------|------------------|
| Alton W. Brisbane, Sr. | 21 February 2011 |
| Harold Rosenberg | 14 April 2011 |

If you know of any others and would care to share this information, please contact us.

AIR FORCE MATERIALS AND MANUFACTURING ALUMNI ASSOCIATION (AFMMAA) MERIT SCHOLARSHIP PROGRAM

The AFMMAA has established a merit scholarship program for the purpose of assisting high achievement, educationally oriented sons and daughters of the current AFRL/RX civilian and military workforce. Scholarship winners and details of the Merit Scholarship Program and criteria are found below in the following pages.

Two types of merit scholarship are granted: Alumni Association Scholarship and Chief Scientist Scholarship. The funding of these scholarships currently comes from the dues paid by AFMMAA members, member donations to the scholarship fund and AFRL/RX employee contributions to the Combined Federal Campaign (CFC No. 85464). In 2001, contributions by members of the ML Executive Group, MLO, MLB, and MLLMN initially funded the program. As of June 30, 2010, 20 scholarships totaling \$19,000 have been awarded.

Scholarship Winners:

| Year | Name | Scholarship Type | Amount |
|------|----------------------|--------------------|--------|
| 2010 | Anastasia Voevodin | Chief Scientist | \$1000 |
| | Erika Johnson | Alumni Association | \$1000 |
| | David Baumgartner | Alumni Association | \$1000 |
| 2009 | Julia Sizek | Chief Scientist | \$1000 |
| | Shuvro Roy | Chief Scientist | \$1000 |
| | Grace Stearns | Alumni Association | \$1000 |
| 2008 | Andrew Rosenberger | Chief Scientist | \$1000 |
| | Mary Hanna Sanders | Alumni Association | \$1000 |
| | Travis Busbee | Alumni Association | \$1000 |
| 2007 | Margaret Ann Hay | Chief Scientist | \$1000 |
| | Jaison Nainaparampil | Alumni Association | \$1000 |
| 2006 | Jeffrey Zabinski Jr. | Chief Scientist | \$1000 |
| | Justin Spitzer | Alumni Association | \$1000 |
| 2005 | Samantha Brown | Chief Scientist | \$1000 |
| | Jeffrey Zabinski Jr. | Merit Scholarship | \$1000 |
| 2004 | Catherine Shelley | Chief Scientist | \$1000 |
| | Michael Grant | Chief Scientist | \$1000 |
| 2003 | Dan Peterson | Merit Scholarship | \$1000 |
| | Ankit Punatar | Chief Scientist | \$500 |
| 2002 | Morgan Webb-Yeates | Merit Scholarship | \$500 |



**AIR FORCE MATERIALS & MANUFACTURING
ALUMNI ASSOCIATION (AFMMAA)**

**MEMBERSHIP APPLICATION AND
SCHOLARSHIP DONOR FORM**

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone -- Home: _____ Work: _____

E-mail: _____ Is E-mail new? _____

Check here if we CAN NOT release your information, i.e., address, e-mail, etc.

Year departed/retired from RX: _____

Recent information about yourself (for the website): _____

In what areas would you like to support AFMMAA?

Your are invited to join (\$10/yr annual CY 2011 dues), become a Life Member (\$150) and/or make donations to the Alumni Association Scholarship Program.

\$ _____ Alumni Association Scholarships (open to students pursuing a degree generally related to the Air Force Science & Technology program, with emphasis on materials sciences, manufacturing technologies or associated management specialities (financial, logistics, administrative, etc).

\$ _____ Chief Scientist Scholarship (open to students pursuing an accredited degree in a field of science, math, engineering or technology)

\$ _____ Annual Membership Dues for CY 2011 (1 Jan - 31 Dec '11) are \$10.

\$ _____ Life Membership is available for \$150 (one time fee).

\$ _____ *Total Amount Enclosed

***NOTE: Scholarship contributions and membership dues are tax deductible.**

Membership Category:

_____ **Annual (\$10.00/year)**

_____ **Lifetime (\$150.00 one time fee)**

**Make check payable to: AFMMAA and send this form to the following address:
AFMMAA, P.O. Box 341413, Beavercreek, OH 45434-1413**

ANOTHER INTERESTING HISTORICAL PHOTOGRAPH



Fabrication Branch, Manufacturing Technology Division, Air Force Materials Laboratory Trip to TRW, Cleveland, Ohio in Early 1970's. Left to Right - George Peterson (ManTech Division Chief), Lee Kennard, TRW Employee, John Williamson, Gail Eichelman, Ken Love, TRW Employee, Vince DiBenedetto, Charlie Anderson, TRW Employee, Jim Ray, and TRW Employee

RECENT INFORMATION ABOUT AFMMAA MEMBERS

During the year many of our members have provided comments for the AFMMAA newsletter and website regarding their current activities and interests. Unfortunately, no additional comments were provided in time for this newsletter. Please let us hear from you!

If you wish to share your recent activities or interest with others on the AFMMAA website, please send an email to Tom Cooper at tcooper@utccdayton.com or Dick Engman at dkengman@msn.com.

NOTICE

In order to control our costs and optimize our service to RX and our members, we are considering only mailing Newsletters in the future to AFMMAA Members (Charter, Life and Annual). If you have not already done so, please take advantage of this opportunity to fill out the membership form (Page 7) and continue to enjoy our Spring and Fall Newsletters.

DO YOU REMEMBER?

Shown below are the photographs of several RX (then ML) engineers, scientists, and employees taken in the 60's. How many do you recognize and remember?

For the answers, see page 12.



A



B



C



D



E

AFMMAA SCHOLARSHIP DONORS

Since 2001 members of the Air Force Research Laboratory Materials and Manufacturing Directorate, AFRL/RX alumni, and friends of the Air Force Materials and Manufacturing Alumni Association have contributed over \$12,500 for college scholarship to the children of civilian and military employees. We thank these individuals for their generous giving which makes our scholarship program successful.

Platinum Donors (over \$1000)

| | |
|---------------------|--------------------|
| Walter (Wade) Adams | Mrs. Julia Millham |
| Alan Lovelace | |

Gold Donors (\$500 to \$999)

| | |
|-------------------|-----------------|
| Robert L. Denison | Gary Waggoner |
| Paul Propp | John Williamson |

Silver Donors (\$200 to \$499)

| | |
|-------------------------|---------------------|
| AFRL/MLO | Kenneth Kojola |
| AFRL/ML Executive Group | G. Edward Kuhl |
| Tom Cooper | Meir & Ruth Pachter |
| Dr. and Mrs. Ronald Eby | George St. Pierre |
| Dr. Thomas D. Fiorino | |

Bronze Donors (\$100 to \$199)

| | |
|-----------------------------|---------------------|
| AFRL/MLB | Bobby McConnell |
| AFRL/MLLMN | Charlotte McConnell |
| Maj Gen (ret) Terry L. Dake | Zoe Dell Nutter |
| Barry & Sharon Farmer | Paul Sampson |
| Gordon H. Griffith | Robert T. Schwartz |
| Jacques Hemes | Dr. Kathy Stevens |
| Jim Huffman | Dr. Edwin L. Thomas |
| Ronald J. Kerans | Hardy Trolander |
| Lou Ludtke | Dennis E. Wisnosky |
| Rich Lusignea | Bill Woody |

CURRENT RX WORKFORCE

The current size of the RX workforce includes the following as of 17 May 2011:

| | | |
|------------------------------|-------|-----|
| a) Civilian Employees | | 418 |
| WPAFB | 363 | |
| Tyndall | 38 | |
| Tinker | 5 | |
| Robins | 2 | |
| Hill | 7 | |
| AFOSR | 1 | |
| Iraq | 1 | |
| Arlington VAA | 1 | |
| b) Military | | 73 |
| WPAFB | 40 | |
| Tyndall | 16 | |
| Tinker | 4 | |
| Robins | 9 | |
| Hill | 4 | |
| c) Year Round Co-op Students | | 48 |
| WPAFB | 45 | |
| Tyndall | 2 | |
| Tinker | 1 | |
| | Total | 539 |

HONORS AND AWARDS

RX employees have continued to receive significant honors and awards. Among those receiving awards are the following:

- Arthur S. Flemming Award – Dr. Tim Bunning
- AFRL Fellow – Dr. Rich Vaia (RXBN)
- 2010 Presidential Rank Meritorious Award – to be presented Spring 2011 – Dr. Jim Larson (RX)
- Meritorious Civilian Service Award – Dr. Dallis Hardwick (RXL)
- Federal Executive Institute Leadership for a Democratic Society Selectee – Dr. Jeff Zabinski (RXB)
- Federal Executive Institute Leadership for a Democratic Society Selectee – Ms. Persis Elwood (RXM)
- Federal Executive Institute Leadership for a Democratic Society Selectee – Ms. Carolyn Van Voorhis (RXF)

VOLUNTEERS NEEDED FOR THE EXECUTIVE BOARD SECRETARY AND NEWSLETTER CHAIRMAN POSITIONS

Are you interested in serving as the Secretary of the AFMMAA Executive Board or being a Chairman for the Newsletter? The Current Secretary, Dick Engman, has served as Secretary of the AFMMAA Executive Board (EB) since 2005 and desires to “retire” and do more traveling. Tom Cooper has served as the Newsletter Chairman since the AFMMAA was founded in 2001. EB members are typically elected for two year terms. Tom will be hard to replace, but he has developed an outstanding Newsletter “model” that should be relatively easy to follow in the future. If you are interested in either of these positions please contact Jerry Petrack, Dick Engman, or Tom Cooper. AFMMAA members who are interested in serving as an executive board member or as chairman should contact the Vice President or the executive board member.

| | |
|-------------------------------|------------------------------------|
| Nominating Committee Chairman | Jerry Petrack jerryp@woh.rr.com |
| EB Secretary | Dick Engman dkengman@msn.com |
| Chairman for Newsletter | Tom Cooper tomnkate@juno.com |

AFMMAA WEBSITE IMPROVEMENTS

The AFMMAA Website (www.afmmaa.com and/
www.afmmaa.org) is being updated and new information added. Check it out. The revised index will include the following new documents:

- AFMMAA Background, Executive Board Members and Chairman
- AFMMAA History, Purposes/Objectives and Accomplishments
- Membership Information
- Membership Application and Scholarship Donor Form
- Charter and Lifetime Members
- AFMMAA Scholarship Donors
- Merit Scholarship Program Overview and Winners

We are working to maintain, improve and update the identical sites to convey information that will help promote AFMMAA member awareness and the technology accomplishments of the Air Force AFRL/RX Directorate of Materials and Manufacturing. If you have any comments or recommendation that would contribute to this effort please contact Bob Denison (BDenison@utcd Dayton.com) or Dick Engman (DKEngman@msn.com)

SPRING 2011 SCHOLARSHIP UPDATE

The call for applications for the 2011 AFMMAA Scholarships was placed on the AFMMAA website and also on the AFRL/RX Intranet in mid-February 2011. For this year, we have broadened the eligibility criteria and simplified the application process. We no longer restrict the field of study of applicants to areas of direct relevance to RX. Applicants pursuing all four-year accredited degrees are now considered. Also, the requirement for three letters of recommendation as part of the application has been dropped. The deadline for receipt of applications was 14 May 2011.

We have received five applications for evaluation this year. The Scholarship Committee plans to meet in June to select this year’s awardees. This year we again anticipate the award of at least two \$1000 scholarships to highly qualified students planning to enter their first or second year of college. The students must be children of a current AFRL/RX government (civilian or military) employee.

The results of the 2010 scholarship awards were reported in the Fall 2010 AFMMAA Newsletter. To recap those results, we were able to fund three 2010 scholarships of \$1,000 each. The three students were David Baumgartner, Erika Johnson, and Anastasia Voevodin (see page 6). David is enrolled in the Civil Engineering program at Rose-Hulman Institute of Technology. Erika is pursuing a degree in biology or neurobiology at the University of South Florida. Anastasia is attending Boston University pursuing a degree in Biomedical Engineering. Recognition was given to those awardees at an August 2010 AFRL/RX Director’s Call. They were again recognized at the RX Awards Luncheon held at the Hope Hotel in January 2011.

AFMMAA CHARTER UPDATE

Last year, the AFMMAA Charter was updated by Vice President John Williamson and Secretary Dick Engman. The original Charter was prepared by Tom Cooper and Bob Rice in 2001 and they fortunately had the foresight to establish a strong Charter which required only minor additions and a few revisions. It was officially approved by members at the June 23, 2010 meeting at the Engineers Club. The updated Charter has yet to be posted on the website due to administrative delays that will hopefully be soon corrected. If you are interested in an electronic copy, please contact John Williamson (johnw13@earthlink.net) or Dick Engman (dkengman@msn.com).

AFMMAA SCHLARSHIP CONTRIBUTORS

The AFMMAA is very fortunate to have a solid membership and contributor base to support our Scholarship program. The AFMMAA receives scholarship funding from the Combined Federal Campaign, members, and friends of the AFMMAA. Since 2002, the it has received over \$12,000 from members and friends which enabled us to award 20 scholarships totaling \$19,000. These scholarship contributions are essential to support and grow our annual scholarships in the areas of science and engineering to children of AFRL/RX employees. A list of Scholarship Contributors giving over \$100 is shown in table below. Multiple contributors of \$100 or more are shown with an asterisk.

AFMMAA CHARTER AND LIFE MEMBERS

We currently have 51 Life Members and hopefully that number will continue to grow each year. The following have become “Lifers” since 2010: Dr. James Hall, Hank Johnson, James Mullineaux, John Rhodehamel, Timothy J. Sakulich, John Speers, George St Pierre and Dennis Wisnosky. Thank you for becoming a “Lifer!” If you wish to become a Life Member, pay yearly dues or contribute to the scholarship fund please used the membership and scholarship donors in the Newsletter or on the www.afmmaa.com (or org) website. Your memberships and scholarship contributions are very essential to continue our mission and grow our annual scholarships in the areas of science and engineering for the children of AFRL/RX civilian and military employees. A list of the Charter and Life Members is shown to the right.

YOUR AFMMAA OFFICERS AND COMMITTEE CHAIRS



Gary Waggoner
President



John Williamson
Exec. Vice President



Dennis Naughton
Treasurer



Dick Engman
Secretary



Tobey Cordell
Membership



Tom Cooper
Newsletter Editor



Charlie Browning
Scholarship

| AFMMAA Contributors, Membership and Life Members - 16 May 2011 | | |
|--|-------------------------|------------------------------|
| Contributing Over \$100 to Scholarship Funds | | |
| Wade Adams* | G. Edward Kuhl* | George St. Pierre* |
| Tom Cooper* | Alan Lovelace | Paul Sampson |
| T. L. Duke | Lou Ludike | Robert T. Schwartz |
| Bob Denison* | Rich Lusigne | Kathy Stevens |
| Ron and Mrs. Eby | Bobby McConnell | Edwin L. Thomas |
| Barry Farmer | Charlotte McConnell | Hardy Trolander |
| Thomas Fiorino | Julia Millham | Gary Waggoner* |
| Jacques Hemes | Zoe Dell Nutter | John Williamson* |
| Jim Huffman | Meir & Ruth Pachter | Dennis Wisnosky |
| Ronald J. Kerans | Paul Propp* | Bill Woody |
| Kenneth Kojola* | George St. Pierre | *Multiple Contributions/Yrs. |
| Charter Members | | |
| Wade Adams | Craig Hartley | Bob Rice |
| Bernard Chasman | Bill Kessler | Lynn Trainor |
| Tom Cooper | Jim Mattice | Ben Wilcox |
| Gary Denman | James Myers | John Williamson |
| Lifetime Members | | |
| Mark Anderson | David Judson | Don Shrader |
| Phil Bouchard* | Bob Kincses | Jerry Sieron |
| Charles E. Browning | John Koenig | Don Shrader |
| Dennis Corbly | Edward Kuhl | Jerry Sieron |
| Ken Elbaum | Cole Litton* | George Slenski |
| Dick Engman | Michael McCabe | James Snide |
| Kathleen Falensky | James L. Mullineaux | John Speers |
| Larry Fehrenbacher | Dennis Naughton | George St. Pierre |
| Thomas Fiorino | Larry Parsons | Kathy Stevens |
| David W. Fischer | Cyril (Sonny) M. Pierce | Donald Tarazano |
| Harold Gegel | Bob Rapson | Scott Theibert |
| Henry C. Graham | John Rhodehamel | Jon Tirpak |
| Alten (Skip) Grandt | Terry M. Ronald | Gary Waggoner |
| James A. Hall | Vince Russo | Roland Watts |
| John Henderson | Paul Sampson | Bill Woody |
| Rob Hull | Timothy J. Sakulich | Carol Yarnall |
| Henry Johnson | Robert Schafrik | |
| Warren Johnson | George Schmitt | *Deceased |

AFMMAA
P.O. Box 341413
Bevercreek, OH 45434-1413

ARE YOU A CURRENT AFMMAA MEMBER?

The annual dues are \$10.00, or a Lifetime Membership is available for \$150.00. If your dues lapse for one year, your membership will become inactive. Our records indicate there are still a number of members who have not paid their 2010-2011 membership dues. We don't want to lose a valuable resource to the Association – YOU!

Please give serious consideration to joining us. Enclosed is a form that can be returned to become an active member.

PHOTO IDENTIFICATION

Answers for Page 8

A) Sidney Allinikov; B) Freeman F. Bentley; C) Samuel W. Bradstreet; D) Bennie Cohen; and E) Merrill L. Minges.

NEW AFRL TECHNICAL DIRECTORATES OSCs

| <u>Former</u> | <u>New</u> | <u>Directorate</u> |
|---------------|------------|-------------------------------|
| VA | RB | - Air Vehicles |
| DE | RD | - Directed Energy |
| HE | RH | - Human Effectiveness |
| IF | RI | - Information |
| VS | RV | - Space Vehicles |
| MN | RW | - Munitions |
| ML | RX | - Materials and Manufacturing |
| SN | RY | - Sensors |
| PR | RZ | - Propulsion |
| RO | RO | - Chief of Staff |

Change effective as of October 1, 2007.