



# AIR FORCE MATERIALS AND MANUFACTURING ALUMNI ASSOCIATION (AFMMAA) NEWSLETTER

FIFTHTEENTH EDITION

FALL 2011

## MESSAGE FROM THE RX DIRECTORATE

This year, RX had a very special Trick-or-Treat event on October 31 –our biennial AF SAB review began. The RX Structural Materials Core Technical Competency (Metals, Ceramics, Hybrids and Composites, and Non-Destructive Evaluation Branches) and the Support for Operations Core Technical Competency (Systems Support and Agile Airbase Engineering Divisions) were reviewed over the course of the week. In her Overview presentation, Dr. Stevens addressed several topics of special interest to the SAB: strategic alignment with AF and AFRL emphases; the RX Sustainment investment; human systems; ISR; thermal protection; and the RX Energy Portfolio. She also highlighted success stories from RX programs on metamaterials, ceramic matrix composites, low-observable materials maintainability, and engine rotor life extension. Dr. Farmer described the RX initiative in Integrated Computational Materials Science and Engineering, described the RX Stage-Gate planning process, and highlighted the many awards and recognition received by RX personnel since the FY10 SAB Review.

Eleven SAB Panel members, plus a few support staff, conducted the review; more than 120 RXers (on stage and in-support) were involved in putting the show together. All of the technical presentations were extremely well done and well received; the logistics went very smoothly. This year, RX went to an electronic format for its posters – using laptop computers and high-definition monitors for the posters. These especially went over well with the Panel – nothing like showing an actual burner rig, a rotating 3-D microstructure, or (cartoon) aircraft disintegration to help get a point across. AFRL efficiency initiatives limited the amount of proscriptive “help” the SAB provided, and RX was able to tell its story unconstrained by some of the directives of recent previous reviews; AND we were able to reduce the RX cost of the review by about 20%!

After the FY10 Review, the AFRL Chief Technologist commented that RX SAB had identified the fewest “Issues” of any of the reviews he had seen across AFRL. Indications from the preliminary feedback of the FY12 SAB results are that we did even better this year! (The final “official” results and report will not be

available until February.) Article submitted by Dr. Barry Farmer, RX Chief Scientist.

## PRESIDENT’S CORNER

Welcome to our Fall 2011 Alumni Newsletter. I thought I would use my column to tell you about my very first experience with the AF Materials Laboratory back in 1973. I was working in the ASD/EN Structures Division home office as a GS-12 engineer when I was assigned to the B-1A SPO to provide dedicated, co-located support to a new, joint AFML/AFFDL Program called the Weapons System Advanced Composites Application Program (WSACAP) – kind of like the ML co-locate model, but in reverse. The objectives of the lab program were to extend the application of advanced composites to selected primary (horizontal and vertical stabilizer) and secondary structures (Weapons Bay Doors, Wing Flaps and Slats, and Fuselage Access Door) on the B-1A. Goals were significant weight savings, improved structural performance and reduced costs when compared with the metal baseline components.

The \$35M WSACAP program was tremendously complex in that it sought to take a technology that was still viewed by many as developmental and provide form, fit and function replacements that satisfied all B-1 design criteria in order to provide the SPO with a completely qualified and certified production option.

The head of B-1 engineering, Jack Carlson, laid out my job duties as follows:

- Ensure that all B-1A systems requirements were integrated in the lab development efforts
- Develop and coordinate the qualification/certification procedures to be used for safety of flight composite components including environmental, damage tolerance, durability and impact resistance requirements
- Keep the lab informed of any SPO changes that might affect the development efforts and provide status, issues and resolution strategies from the lab to the SPO and ASC/EN
- Lead efforts within the SPO and with Rockwell International (the B-1 Prime Contractor) to prepare for a production incorporation decision milestone in CY77.

For a structures engineer who was pretty much a  
(Continued on Page 2)

*(President's Corner continued)*

complete novice in advanced composites technology, this was both an exciting and daunting challenge and I knew I needed to embark on a steep learning curve (and get a lot of high quality help) if I was to successfully provide the interface that both the lab and SPO needed.

The development effort involved component design and development using B-1A system design requirements, subscale and full-scale static and fatigue tests, lightning strike and nuclear response testing, durability and damage tolerance (effects of defects) evaluations under extreme moisture and load conditions, and a strong manufacturing development effort to achieve the cost and weight goals proposed for the program. Prevailing questions at that time within the acquisition community involved procedures for ensuring and maintaining structural safety and durability, potential systems integration effects, production costs/schedules and operation and maintenance costs. There was also a lot of discussion around a term that the team became very familiar with: identifying and resolving the "unk-unks"...unknown unknowns!

I can remember how impressed I was with the lab team from the moment I joined them. Crusty, loveable Col Wendell Bauman was the overall program manager, Frank Cherry was the technical director, Mary Ann Plumm was the team secretary and the component development managers were Bob Rapson and Bill Johnston on the Horizontal and Vertical Stabilizers respectively, and Tobey Cordell on all of the Secondary Structures efforts. John Halpin and Bill Goesch were also a key part of the team. And of course, George Peterson provided the overall vision for the program and championed the entire effort within AFSC. Key members of the industry team included Les Lackman at Rockwell International and Walt Ludwig, Herman Erbacher, Sam Dastin and Jim Whiteside at Grumman

I was welcomed into the team with open arms and from the outset, members of both the lab and industry team took me under their wing and provided the support I needed. I particularly remember how Bob Rapson, Tobey Cordell and Herman Erbacher spent a lot of time educating and mentoring me and being great models of competency, integrity, hard work and customer responsiveness and I have always been grateful to them for that.

The lab program was very rich in accomplishments. I can remember when there was a significant change to the B-1 flight loads profile, which voided part of the labs' subscale test program and when we ran into several significant manufacturing issues, the lab team took everything in

stride, resolved the issues through hard work and long hours and then modified the program to keep everything on track. It was clear to me that this was the nature of R&D and rather than lament the issues, problems and required program changes, the team showed me how challenges of this sort were to be expected and dealt with in an enlightened and positive way.

While all of the critical objectives of the program were met over the next four years, only the weapons bay doors were transitioned to the B-1. There is an entire story about why that was the result, but it had nothing to do with the quality, content and results of the lab program.

To this day, I'm extremely proud of the effort that I witnessed from the lab and my luck at being a part of this team. The B-1 SPO and ASD could not have asked for more from the lab team. In the big picture, technology was transition which was a significant benefit to the B-1 system; the technology SOA was enhanced and a portion of ASD/EN structures community become much more familiar and comfortable with composite applications for future weapons systems – all important outcomes.

And I personally learned a great deal in my 4 short years on the program that served me well in the coming years; The nature of technology development; how a model technology development team (government and industry) performs with high expectations for themselves and flexibility in accommodating/resolving surprises; the importance of robust and persistent customer/stakeholder coordination; the challenges and surprises involved in technology transition and much, much more! I also learned that some of the most memorable times in your career are those when you have the privilege of working in a cohesive team with clear objectives, great top-cover, and shared contributions from everyone.

This experience impacted me in such a profound way that I decided that AFML (both the people and organization) was the place that I wanted to work for the remainder of my career. It took 5 more years for me to realize that dream when George Peterson arranged for me to join the Space Applications Major Thrust Office (MLX). The lessons I learned and the interaction I enjoyed as a part of the WSACAP team were subsequently reinforced time and time again as I got to work with many of you throughout the years I was able to spend in the Materials & Manufacturing Directorate.

**NEW DEPUTY DIRECTOR FOR RX**

The Materials & Manufacturing Alumni Association gives a warm welcome to the Directorates' new Deputy Director, Colonel Todd M. Copeland. Col Copeland was

commissioned through the Reserve Officer Training Corps in 1989 and is an experimental test pilot and command pilot with over 3900 hours in 33 different aircraft. He has served as an instructor and evaluator pilot in the B-2, B-52 and T-38 and conducted developmental flight tests in the B-2, B-52 and F-16. His staff experience includes a tour as the Chief of Air to Ground Weapons and Bomber Test Programs at Headquarters Air Force. He commanded the 509th



**Col Todd Copeland**

Operations Support Squadron at Whiteman AFB which has sole responsibility for the planning and coordination of B-2 global combat missions. Col. Copeland holds a Bachelors Degree in Aerospace Engineering from the University of Texas and two Masters Degrees, one in Aviation Systems from the University of Tennessee Space Institute and one in Systems Engineering from the Air Force Institute of Technology. He and his wife Debbie have three children, Danielle (18), Desiree (16) and Kevin (12).

We asked Col Copeland to share a few of his initial observations on the Directorate after his first few months in the saddle, and his response is provided below:

“After having been the Deputy Director for almost six months now, I have a few observations that I wish to share:

The way AFRL has organized the Materials and Manufacturing Directorate makes this a unique lab within the DoD. The advantage this Directorate has is its breadth of functions. From basic research, to transitioning current technology, to real-time sustainment, to manufacturing technology, the Directorate is uniquely positioned to function as the expert in materials and material science for the Air Force. No matter what the topic.

The lab is uniquely situated in close proximity with one of its primary customers, ASC, and has embedded personnel to help smooth both M&P needs identification and technology transition. No other DoD lab is structured in this way.

The pervasive nature of materials in aerospace and aero-sciences makes this Directorate indispensable to the Air Force. While budget cuts are a part of life, the need

for a separate Materials Directorate has been reinforced multiple times, including during recent budget discussions.

I call this the “land of why.” That is usually the word that I get back when giving a tasker. At first it was annoying. Coming from an operational background, you executed whatever task was given to you effectively and immediately. However, it didn’t always answer the tasker in the best fashion, or required further taskers based on insufficient information. Here, I have noticed that while the tasker sometimes takes longer than desired, the answer is thorough and well articulated. Also, forethought is required in preparing the tasker to ensure you are asking the right questions, therefore not wasting precious time and resources; a welcome change.

The dedication in this Directorate is noteworthy. I have enjoyed both my tours in AFMC, simply because of the caliber of the individuals I have the privilege with which to work. I have learned it is not where or what the assignment is that makes it great, it is the people you work with that makes the assignment great.

While this list in not all encompassing, it is a few thoughts after a few months in the saddle. I’m looking forward to helping to lead this Directorate as we envision and develop the force of tomorrow.”

So a hearty alumni welcome to Col Copeland. We’re happy to have you as a part of the Materials & Manufacturing Directorate family.

**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.



## FALL 2011 SCHOLARSHIP PROGRAM UPDATE

We are pleased to announce that the AFMMAA has awarded two scholarships this year. In accordance with our scholarship rules, all of our applicants had a parent who was a government employee of RX. This year both awards were in the Chief Scientist's category for science, math or engineering. No awards were made in the Alumni Association category for non-technical majors.

Due to the generosity of those supporting the Association through last year's CFC and other special donations, the association was able to award two \$1500 scholarships this year to the individuals listed below.

**1st Chief Scientist's Scholarship** – Seth Cazzell. Seth was a Centerville HS senior. His GPA at the time of application was 4.76, and he ranked 7 in a class of 687. His list of awards, extra-curricular activities, and community service was impressive. He has participated in the Science Olympiad for several years, placing high on the list each time. He was honored at the White House Science Fair by President Obama. He has also worked in RXP during the summer on new photochiral materials. Externally, he participated in the Relay for Life and the Recycling Club. He is now attending the University of Illinois, majoring in Materials Science and Engineering. His father is Greg Cazzell in RXME.



Seth Cazzell

**2nd Chief Scientist's Scholarship** – Scott Schwenker. Scott was a Fairmont HS senior. His GPA at the time of application was 4.19, and he ranked 14 in a class of 560. His list of awards, extra-curricular activities, and community service was exceptional. He was involved in extra-curricular activities from the National Honor Society to student government to captain of the tennis team for several years. He was consistently on the honor roll and was all conference in tennis. External to school, among his many activities he was a participant in Senior Students Helping Senior Citizens. Scott is



Scott Schwenker

now attending Purdue University, majoring in Aerospace Engineering. His father is Steve Schwenker in RXSC.

The AFMMAA will recognize these awardees and their families at the annual RX Awards Luncheon currently scheduled for January 20, 2012.

Checks have been mailed directly to each student's university to help cover their expenses during the fall semester.

The 2012 Scholarship cycle will kick off in mid-February 2012 with the Call for Applications being released by the RX Director through the RX Intranet.

Charles E. Browning, Scholarship Chairman

## 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).

## BOSSIER MANSION RESTORATION

Saturday, I went on a restoration tour of properties in different stages of restoration in St. Anne's Hill. I had walked around St. Anne's Hill last month taking pictures for a project. I asked someone about the Bossier Mansion, on Dutoit St. It turns out Lee Smithson (former ML employee) bought it in the 80's and restored it back into one house, from the 13 apartments that someone else had used it for. Lee lives in the third floor of the mansion and it's on St. Anne's Christmas tour.

Well, during the restoration tour I met Lee. He is restoring another beautiful property. He asked what my friends and I did, then said he used to work at the base. I told him I worked out here and we got to talking. I think it's great people are saving some of the older homes.

Mikee Huber, Graphic Arts Specialist  
AFRL/RXS

**RECENT INFORMATION ABOUT  
AFMMAA MEMBERS**

During the year many of our members have provided comments for the AFMMAA website regarding their current activities and interests. Here are recent comments that we have received since the last Newsletter.

**Walt Griffith**, Dayton, OH, griffith@woh.rr.com, Retired Feb 2007. Formerly Chief of Metals, Ceramics and NDE Division (RXL). Currently an independent consultant.

**Robert H. Latiff (Major Gen USAF Ret)**, Alexandria, VA, rlatiff@msn.com, Retired Air Force, 2006, Major General at NRO Chairman, National Materials Advisory Board, Professor at George Mason University.

**Charlotte Sue McConnell**, Bluff City, TN, charliebaby37618@live.com. Retired in 1990, we have four special grandchildren which we have quite a bit in the summertime. Our son Kevin retired in Dec '10 from the Navy JAG. His wife Deborah is a Colonel in the US Marines and they reside in Jacksonville, NC. Bobby and I are very involved in our church and several organizations we belong to. We keep very busy with our 25 acres here and the family farm in Virginia. We have a second home in Highlands, NC which we do not get to very often. We still love to visit the Dayton area and friends and family. We are very settled in TN.

**Bobby D. McConnell**, Buff City, TN, bobby-mcc1@hotmail.com, Enjoying retirement and several church roles genealogical groups, SAR, SCV, Historical Society, McConnell clan and doing a little sawmilling for fun and exercise.

**Thomas J. Moran**, Tampa FL, moran.t@tampabay.rr.com, In May Tom wrote: "I am currently in the middle of a move to my future home in Florida."

**James L. Mullineaux**, Miamisburg, OH, jimmx1@att.net, Playing golf (PGA rules optional), two daughters (1 married and 1 wedding on Labor Day 2010), three sons (2 married – one National Guard deployed twice), ten grandkids, and one great grand daughter (2 months old).

**Neal Ontko**, Beaver Creek Township, OH, nrontko@yahoo.com, Recently retired from RXS. Currently employed as a Senior Program Manager at UTC.

**Robert Ruh**, Kettering, OH, rruh4@woh.rr.com, Board Member of Wright Image Group working on Wright Flyer Monument project at I-70/I-75

If you wish to share your recent activities or interest with others on the AFMMAA website(s) afmmaa.

com or afmmaa.org, please send an email to Tom Cooper at tcooper@utcd Dayton.com or Dick Engman at dkengman@msn.com.

**CURRENT RX WORKFORCE**

The current size of the RX government workforce includes the following as of 11 November 2011:

a) Civilian Employees		413
WPAFB	359	
Tyndall	39	
Tinker	6	
Hill	6	
Robins	2	
Iraq	1	
b) Military		62
WPAFB	32	
Tyndall	15	
Robins	8	
Tinker	4	
Hill	3	
c) SCEP (COOP) Students		23
WPAFB	22	
Tyndall	1	
	Total	498

**AF MARATHON WINNERS  
AT WPAFB**

Congratulations are in order for twin sisters Kara and Tara Storage, from AFRL/RXSA and RXBC respectively! They ran in the women's half marathon category of the AF marathon here at Wright-Patt this past Saturday. Kara placed first and Tara placed third!

**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.

## YOUR AFMMAA OFFICERS AND COMMITTEE CHAIRS



**Gary Waggoner**  
President



**John Williamson**  
Exec. Vice President



**Dennis Naughton**  
Treasurer



**George Slenski**  
Secretary



**Tobey Cordell**  
Membership



**Tom Cooper**  
Newsletter Editor



**Charles Browning**  
Scholarship

### 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 September 30, 2011, 22 scholarships totaling \$22,000 have been awarded.

#### Scholarship Winners:

- 2011 Seth Cazzell, Chief Scientist, \$1500; Scott Schwenker, Alumni Association \$1500
- 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
- 2003 Michael Grant, Chief Scientist, \$1000; Dan Peterson, Merit Scholarship, \$1000
- 2002 Ankit Punatar, Chief Scientist, \$500; Morgan Webb-Yeates, Merit Scholarship, \$500

### AFMMAA COMING EVENTS

Please mark your calendar now or make a note of the following AFMMAA coming events. Reservations will be required for the Friday 20 January 2012 Awards Luncheon. AFRL/RX will soon advise us of the menu selections and the price. The AFMMAA will provide the key information to our members by email to enable you to sign up. Every year we have excellent participation in these events. Contact Dick Engman if you have any questions [dkengman@msn.com](mailto:dkengman@msn.com).

- Friday 16 Dec '11 -- **RX Holiday Party** at 1100 to ~ 16:00 in Bldg 653 Cafetorium
- Thursday 19 Jan '12 -- **RX Awards Recognition Ceremony** at 2:00 pm in Bldg 653 Cafetorium
- Friday 20 Jan '12 -- **AFMMAA Members Meeting Social** 9:00 am at the Hope Hotel
- Friday 20 Jan '12 -- **AFMMAA Members Business Meeting** from 9:30 -11:00 am at the Hope Hotel
- Friday 20 Jan '12 -- **AFRL/RX Social Hour** at 11:00 am to 12:00pm (Hope Hotel)
- Friday 20 Jan '12 -- **AFRL/RX Awards Luncheon** at 12:00pm to 2:00pm (Hope Hotel)



# 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 2012 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). AF Science & Technology programs).

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

\$ \_\_\_\_\_ Annual Membership Dues for CY 2012 (1 Jan - 31 Dec '12) 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**





**AFMMAA Semi-Annual Meeting held at the Dayton Engineers Club on 16 June 2011. The people in the picture are: Front Row (L to R) - Tom Cooper (Newsletter Editor), Sonny Pierce, Tim Sakulich, Charlie Browning (Scholarships), Kathy Stevens, Vince Russo, Gary Waggoner (President), George Schmitt, and Dr. Dick Pritchard. Back Row (L to R) - Warren Johnson, Bill Woody, Pam Kearney, Al Gunderson, Don Shrader, Lee Gulley, Matt Di Biase, Don Tarazano, John Koenig, John Speers, Bob Rapson, Dennis Naughton (Treasurer), Doug Hutchens, Ken Kojola, Bob Cochoy, Dick Engman, George Slenski (Secretary), Joe Kolek, Dave Judson, Tobey Cordell (Membership), and Jerry Petrak. Not pictured: Wally Reimann and John Williamson (Exec. Vice President).**



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

Bronze Donors (\$100 to \$199)

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

**NEXT MEETING OF THE AFMMAA**

The next meeting of the AFMMAA is scheduled for Friday, 20 January 2012 and will be held at the Hope Hotel, WPAFB. It is scheduled to start at 9:00 AM and continue until approximately 11:00 AM. Everyone is cordially invited and encouraged to attend. Please contact our Secretary George Slenski in advance and let him know if you plan to attend.



## AFMMAA HOLDS MEMBERSHIP MEETING

The Air Force Materials and Manufacturing Alumni Association (AFMMAA) held its Bi-annual Members Meeting at the Engineers Club on June 16, 2011 between 1230 to 1330 hrs. Thirty one members attended. (See photo on page 8.)

The following highlights major items of interest.

Dr. Kathy Stevens provided a review of **what is currently happening at RX**. She said the AFRL budget is not growing and efficiencies are being stressed. RX has reassessed its programs and priorities. The Directorate is able to reinvest the savings or cost avoidances back into the technical program. The new AFRL Commander has a sustainment background and RX is hoping for some renewed momentum back into this area. Dr. Stevens said RX values the AFMMAA contributions and looks forward to the AFMMAA’s support with the Heritage Initiative which is capturing and documenting past successful projects/contributions to support the upcoming 100th anniversary of the RX.

Gary Waggoner reported that he would soon meet with Dr. Stevens and the RX Executive Group and the division points of contact to discuss an AFMMAA **Heritage Initiative** to capture the most significant RX technologies, projects, programs, and people from the many past RX accomplishments. He indicated a division ownership will be necessary as eventually the most significant division and “laboratory” accomplishments will like be captured and displayed in the RX building complex. He anticipates a small contract funded by RX in the coming months, but AFMMAA member assistance will also be necessary. This effort will also build a foundation for 100th Anniversary Celebration in 2017.

Tom Cooper reported the **Spring Newsletter**, the 14th Edition, was mailed on 24 May. Tom thanked everyone for their support, but he specifically recognized Ms. Pam Kearney of UTC who has provided superior formatting and editing expertise to make the Newsletter a superior product. Tom continues to do an excellent job on each Newsletter and has been the driving force behind the Newsletter since its inception.

Tobey Cordell reported on **Combined Federal Campaign (CFC)** actions, He recognized John’s Williamson’s successful work to renew the AFMMAA (CFC Code #85464) for 2011. Additionally, he highlighted the AFMMAA initiatives that the CFC funding and member donations help to enable. Those were the award of three \$1000 student merit scholarships in 2010, the AFMMAA

support for the RX Award Recognition Director’s Call, and the impetus and support for establishing an initiative to capture and portray RX significant contributions to the Air Force and the nation.

Gerry Petrak, the **Election of Officers** Nominating Chairman, reported that current members, i.e., Dennis Naughton (Treasurer), Tobey Cordell (Membership), John Williamson (Vice President), and Gary Waggoner (President) have agreed to continue to serve another term. Dave Judson agreed to assist Tobey with the Membership responsibilities and George Slenski also volunteered to replace Dick Engman as Secretary. The current board members plus George Slenski as the new Secretary were unanimously approved by all attendees.

## 2011 WPAFB DIVERSITY LEADERSHIP AWARD

It is with great pleasure to announce that Dr. Angela Campbell, RXPJ, received the 2011 WPAFB Diversity Leadership Award under the category of Affirmative Employment for her dedication and hard work in recruiting a culturally and technically diverse workforce across RX.

Congratulations, Angela! Your achievement is an excellent reflection on RX and AFRL!

## 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 PARTICIPANTES IN THE COMBINED FEDERAL CAMPAIGN KICK-OFF EVENT

John Williamson and Tobey Cordell represented the AFMMAA on October 5th at the Base-wide kick-off of the CFC. It was held at the Nutter Center, with the entire upper area of the Center filled with booths representing the various agencies participating. This is the fifth year that we have participated. We met several AFRL/RX employees among the hundreds that took advantage of the event. We handed out AFMMAA business cards with the CFC contribution number and also had flyers that mentioned the charitable nature of AFMMAA and the many scholarships that have been provided to students over the past years.



**John Williamson and Tobey Cordell at the CFC  
Kick-Off Event in October 2011.**

## AFMMAA WEBSITE NEEDS HELP

If you have recently checked the AFMMAA Website (identical sites [www.afmmaa.com](http://www.afmmaa.com) and/or [www.afmmaa.org](http://www.afmmaa.org)) you will see it is outdated. We have been unable update it with our revised charter, meeting minutes, yearly reports, and scholarship information. We need an AFMMAA website "expert" help us update it and establish a new site. We also need to explore ways 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 would like to volunteer or if you have any questions please contact Dick Engman ([DKEngman@msn.com](mailto:DKEngman@msn.com)).

## AFMMAA EXECUTIVE BOARD AND CHAIRMEN

At the June 16, 2011 meeting, the following Executive Board Officers and Chairmen were nominated and elected by members to serve two year terms from June 2011 to June 2013. Please contact them if you have recommendations, suggestions, or questions regarding the AFMMAA.

### EXECUTIVE BOARD MEMBERS

- President, Gary Waggoner, [gwaggoner@woh.rr.com](mailto:gwaggoner@woh.rr.com)
- Executive Vice President, John Williamson, [johnw13@earthlink.net](mailto:johnw13@earthlink.net)
- VP for Membership, Tobey Cordell, [tmcgac1967@att.net](mailto:tmcgac1967@att.net)
- Secretary, George Slenski, [g.slenski@ameritech.net](mailto:g.slenski@ameritech.net)
- Treasurer, Dennis Naughton, [snaughton@woh.rr.com](mailto:snaughton@woh.rr.com)

### CHAIRMEN

- Chairman for Scholarship, Dr. Charles E. Browning, [charles.browning@notes.udayton.edu](mailto:charles.browning@notes.udayton.edu)
- Chairman for Newsletter, Tom Cooper, [tomnkate@juno.com](mailto:tomnkate@juno.com)

## LEADERSHIP FOR A DEMOCRATIC SOCIETY - FY 12 SELECTIONS

The following selections for the Federal Executive Institute's (FEI) Leadership for a Democratic Society (LDS) program. LDS is elite training which reflects and enhances the Constitutional underpinning of Federal Government work and the common culture of senior Federal executives. Congratulations to all selected.

- Ms. Jacqueline Janning AFRL/XP - Program 373
- Mr. Mark Fagan 711 HPW/RH - Program 373
- Dr. Andrew Sparks AFRL/RB - Program 374
- Mr. Scott Rubertus AFRL/RZ - Program 375
- Mr. John Gochenaur AFRL/XP - Program 375
- Dr. Albert Rhodes AFRL/RX - Program 376
- Dr. Mike Hayduk AFRL/RI - Program 377
- Mr. Christopher Ristich AFRL/RX - Program 377
- Dr. Charles Ward AFRL/RX - Program 379
- Dr. Kenneth Goretta AFOSR - Program 380
- Ms. Laura Ulibarri AFRL/RD - Program 381

Al Rhodes, division chief in RXQ at Tyndall and Chuck Ward, RXL division chief were selected for this FEI Leadership for a Democratic Society program.

**AFMMAA SCHOLARSHIP  
CONTRIBUTORS  
NOVEMBER 10, 2011**

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, it has received over \$12,500 from members and friends which enabled us to award 22 scholarships totaling \$22,000. 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 to the right. Multiple contributors of \$100 or more are shown with an asterisk.

**AFMMAA CHARTER AND  
LIFE MEMBERS  
NOVEMBER 11, 2011**

We currently have 55 Life Members and hopefully that number will continue to grow each year. The following have become "Lifers" in 2011: Lawrence Butkus, Dr. William Lampert, Bobby McConnell, Neal Ontko, Timothy J. Sakulich, 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.

AFMMAA Contributors, Membership and Life Members - 10-11 Nov 2011		
Contributing Over \$100 to Scholarship Funds		
Wade Adams*	Doug Hutchens*	Paul Propp*
Lawrence Butkus	Ronald J. Kerans*	Paul Sampson
Tom Cooper*	Kenneth Kojola*	Robert T. Schwartz**
Maj Gen T.L. Duke	G. Edward Kuhl*	Dr. Kathy Stevens*
Bob Denison*	Alan Lovelace	George St. Pierre*
Dr. and Mrs. Ronald Eby	Lou Ludike	Dr. Edwin L. Thomas
Ken Elbaum*	Rich Lusignea	Hardy Trolander
Barry Farmer	Bobby McConnell*	Gary Waggoner*
Thomas Fiorino	Charlotte McConnell*	John Williamson*
Gordon Griffith*	Julia Millham	Dennis Wisnosky
Jacques Hemes	Zoe Dell Nutter	Bill Woody
Jim Huffman	Meir & Ruth Pachter	
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	William V. Lampert	Don Shrader
Phil Bouchard**	Bob Kincses	Jerry Sieron
Charles E. Browning	John Koenig	George Slenski
Lawrence Butkus	Edward Kuhl	James Snide
Dennis Corbly	Cole Litton**	John Speers
Ken Elbaum	Michael McCabe	George St. Pierre
Dick Engman	Bobby McConnell	Katherine A. Stevens
Kathleen Falensky	James L. Mullineaux	Donald Tarazano
Larry Fehrenbacher	Dennis Naughton	Scott Theibert
Thomas Fiorino	Neal R. Ontko	Jon Tirpak
David W. Fischer	Larry Parsons	Gary Waggoner
Harold Gegel	Cyril (Sonny) M. Pierce	Roland Watts
Henry C. Graham	Bob Rapson	Dennis Wisnosky
Alten (Skip) Grandt	John Rhodehamel	Bill Woody
James A. Hall	Terry M. Ronald	Carol Yarnall
John Henderson	Vince Russo	
Rob Hull	Timothy J. Sakulich	
Henry Johnson	Paul Sampson	*Multiple Contributions/Yrs.
Warren Johnson	Robert Schafrik	**Recently Deceased
David Judson	George Schmitt	



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 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 5**

A) Earle R. Bartholomew; B) William L. Baun; C) Robert J. Benzing; D) Lt Col William Postelnek; and E) Col Lee R. Standifer.

### **LOSSES FROM THE RX (ML) FAMILY**

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

Bennie Cohen                      22 October 2011

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

### **OUTSTANDING CONTRIBUTION AWARD FROM ESD ASSOCIATION**

Steven Gerken, RXSA, was presented with the Electro Static Discharge (ESD) Association's most prestigious award on September 14, 2011. He was honored with the Outstanding Contribution Award for his contributions to the ESD Association and the entire ESD industry. Please offer him your congratulations.