



AIR FORCE MATERIALS AND MANUFACTURING ALUMNI ASSOCIATION (AFMMAA) NEWSLETTER

SIXTEENTH EDITION

SPRING 2012

MESSAGE FROM THE RX DIRECTORATE

As the country comes to terms with its rising national debt, the Defense Department has been asked to make cuts in its budgets over the next decade. For FY13-FY17 budget planning, the Air Force Research Laboratory initially planned toward a budget reduction of 25%, a position which was worked through multiple iterations over many weeks. In parallel (it was a busy fall!), Mr Lemnios, Assistant Secretary of Defense for Research and Engineering, conducted a comprehensive review of the Department's 6.1-6.4 programs. When the dust from these and other activities settled, the Air Force was convinced to protect S&T and only cut a few percent off the annual budget, while Department and Service S&T priorities added substantial new content to the S&T portfolio. The final result was a significant portion of the S&T portfolio changed.

In February, President Obama proposed his FY13 Budget to Congress. While deliberations on the budget are on-going, the FY13 President's Budget, as proposed, would result in a 15% cut in FY13-FY17 budgets for the Materials and Manufacturing Directorate. This would result in the elimination of RX's thermal science & materials programs, significant cuts to survivability programs, a reduction to metamaterials exploratory development, a cut to the manufacturing technology portfolio, redirection of some technology developments, and cuts to operations and personnel budgets. Most significantly, it would mean a divestiture of AFRL's investment in airbase technologies.

As we move forward to FY13, the specter of sequestration looms. What it might actually mean to DoD budgets or to the Materials and Manufacturing Directorate are completely unknown, and are likely to be unknown until sometime in early FY13. As we move forward, RX will continue to meet the needs of the Air Force (and the nation) for materials and manufacturing technology. The Directorate's investment strategy will be to maintain expertise and innovative research in high-priority areas, deliver on promises for technology products and for a faster M&P technology development cycle (through Integrated Computational Materials Science & Engineering), and continue to strive for greater efficiency.

By Dr. Kathy Stevens, Director AFRL/RX

CHANGES TO RX IN-HOUSE RESEARCH STRUCTURE

In the US Air Force these days, the only things constant are budget pressures and the changes they drive! To meet the known budget challenges and those very likely to come in the near future, the AFRL Materials and Manufacturing Directorate leadership determined that a reorganization of our research divisions was the best way to maintain viability across the broad spectrum of materials and processes that the USAF requires from us. At the same time, we are using this opportunity to become more efficient by reducing administrative overhead, more focused on the most important technical areas needed to meet AF expectations, and more collaborative within the Directorate, utilizing the skills available across RX to meet the technical challenges regardless of where those skills reside on our organizational charts. The changes described below have been proposed **but still await final AF approvals**. We hope to implement the approved changes before the end of the current fiscal year.

The plans RX has submitted would reduce the number of research divisions from three to two and reduce the number of research branches from eight to six. More importantly, this reorganization is consolidating areas of like-expertise into branches that we believe will best meet the needs of the AF into the future. Our new Structural Materials Division (RXC) will have the Metals Branch (RXCM), the Composites Branch (RXCC), and the Materials State Awareness Branch (RXCA). The new Functional Materials Division (RXA) will house the Nanoelectronic Materials Branch (RXAN), the Soft Matter Materials Branch (RXAS) and the Photonic Materials Branch (RXAP). As you might guess, these changes would affect almost every one of the scientists and engineers in the research divisions.

To bring more focus to our research portfolio, we are also instantiating Research Teams which will be lead by Research Leaders. Each of these teams will have a defined scope that will be endorsed by the Executive Group, along with an agreed level of resources committed to work within that scope. The details of these scopes and resources will

(Continued on Page 2)

(Changes to RX In-House Research Structure continued)

be part of the discussion in the RX Buy Plan coming up over the next few months.

We are making every effort to keep what was working well under the old organizational structure intact, while addressing the shortfalls that we saw. Each of the branches will have responsibility for conducting exploratory research, as well as translating the fruits of that exploration to roadmap plans, further developing technology to enhance materials and processes for expanded AF capabilities. The Research Leaders, Roadmap Managers, and Branch Chief will all have the expectation to work as a synergistic team in leading the overall research and development activities of the branch.

RX leadership is confident that these changes will leave RX in a healthy, more agile state, best able to meet whatever challenges may yet come our way. We greatly appreciate the support of our alumni in helping us make these changes successfully and to meet the challenges ahead.

By Barry Farmer, Chief Scientist, AFRL/RX

**PEER REVIEW PANEL RATES AF
MANTECH PROGRAM AS WORLD CLASS**

The Materials and Manufacturing Directorate conducted the first-ever Peer Review of the Air Force Manufacturing Technology (ManTech) program at Wright-Patterson AFB, 20-21 March 2012. The scope of the review included recently completed and on-going technical projects as well as the newly formed strategic vision centered on “Attaining Next Generation Agile Manufacturing.” The three-fold purpose of the review was to: 1) assess the soundness of ManTech’s overall program approach in fulfilling its Title 10 mission, 2) validate the plan for implementing the ManTech strategic vision, and 3) assess progress toward the ManTech vision in terms of plans, processes, people, connects, and approach.

A diverse, nine-member panel from government, industry, and academia was selected to perform the peer review. In their findings, the panel cited several strengths of the ManTech program, such as: the on-going projects align well with the mission, are technically strong, and have high potential return on investment; the overall program approach is sound; the four strategic thrusts are appropriate, visionary, and well-aligned with emerging industry trends; and the division’s “talent and vision are world class.” Areas of improvement included: the vision needs to be clarified as it relates to the visions of major

stakeholders (acquisition, sustainment, S&T); more benchmarking is needed; and the program needs more visibility among Air Force senior leaders. In addition to many overarching inputs on the ManTech program’s current performance and vision, specific feedback was provided on each of the four strategic thrusts: Moving Manufacturing Left, Cradle-to-Cradle Digital Thread, Responsive Integrated Supply Base, and Factory of the Future.

The Manufacturing Technology Division (RXM) is moving out promptly to incorporate the panel’s feedback, and many of the feedback elements were consistent with the planned “to-do” items for the vision and thrusts. RXM is now in the process of prioritizing and developing action plans which they’ll track through completion.

In conclusion, RX leadership considers the ManTech Peer Review a success and well worth the effort. The panel provided excellent feedback and identified many good ideas to incorporate into the implementation plan for the strategic vision. Furthermore, it was confirmation of the value of ManTech to the Air Force and the validity of the strategic vision and thrusts.

*By Kermit Stearns, ManTech Technical
Director, AFRL/RXM*

CURRENT RX WORKFORCE

The current size of the RX government workforce includes the following as of 18 May 2012:

a) Contractors		690
WPAFB	536	
Tyndall	146	
Robins	7	
Hill	1	
b) Civilian Employees		387
WPAFB	339	
Tyndall	34	
Tinker	6	
Hill	6	
Robins	2	
c) Military		59
WPAFB	31	
Tyndall	16	
Robins	7	
Tinker	4	
Hill	1	
d) SCEP (COOP) Students		22
WPAFB	22	
	Total	1158



Maj. Catherine G. “Cady” Coleman, NASA astronaut and mission specialist aboard the space shuttle Columbia for Mission STS-73, was assigned to the Materials Directorate’s Polymer Branch from August 1988 to August 1992. The negative that produced this group photo accompanied Major Coleman on the 20 October - 5 November 1995 mission.

John Williamson of AFMMAA was kind enough to provide this signed memento from Cady.

PRESIDENT’S CORNER

Welcome to our spring 2012 newsletter. As usual, our Editor Tom Cooper has put together another edition full of interesting articles to keep us all informed of lab and alumni news.

If you read the newsletter in the order presented (page 1...page 2...) by now you already know that the Directorate is dealing with some significant challenges; budget cuts driven by AF funding reductions and efficiency initiatives that has resulted in a major reorganization of the research divisions and a re-structure of the research program in the lab. I know we can all remember how changes of this type are never fun. But I am happy to report that Dr. Stevens, Dr. Farmer and the rest of the lab’s leadership are working hard to implement these changes with as little disruption to the productivity and mission focus of the lab as possible.

As reported on page 4, a highlight of our winter alumni meeting was being able to visit with Astronaut Dr.

Cady Coleman who was a member of AFRL/ML from 1988-1992. Cady returned to RX to give the talk at the annual Directorate Awards Luncheon – describing her 2011 mission to the International Space Station. Prior to this, she honored us by joining our alumni meeting and sharing some memorable remarks about the impact that her time in the lab had on her career and her appreciation for the things she experienced as a part of the ML family; feelings that I know we all share.

We are continuing to enjoy our monthly luncheons and staying connected of those alumni who are able to participate, and looking forward to our upcoming Alumni meeting on 12 June. Lastly, I’d like to highlight our new Website that George Slenski has established which is described on page 9. Please take time to visit the site; I know you will be impressed.

Gary Waggoner, AFMMAA President

MEETING WITH FORMER AFRL/RX ASTRONAUT COL CADY COLEMAN

During the RX Awards Luncheon held at the Hope Hotel at WPAFB on 20 January 2012, we had the wonderful opportunity to meet with our former RX member, who went on to become a famous Astronaut, Col. Cady Coleman and have a picture taken with her. In the photograph shown below, are the people who were in attendance. The AFMMAA presented Cady with an Honorary Life Membership.

Col. Coleman was commissioned as a 2nd lieutenant in the U.S. Air Force in 1983, entered active duty in 1988 and was assigned to the Materials Directorate of Wright Laboratory as a research chemist in the Nonmetallic Materials Division from 1988 until 1992. In March 1992,

she was selected by NASA to become an Astronaut and reported to the Johnson Space Center in August 1992. A veteran of three space missions, Cady has logged more than 500 hours in space, including STS-73 Columbia (October 20 to November 5, 1995) and STS-93 Columbia (July 22 to July 27, 1999). She was also launched from Russia in a Russian Soyuz spacecraft on 16 December 2010 and stayed in space on the International Space Station until 24 May 2011, when she landed in Kazakhstan, Russia. She has had an outstanding career as a scientist and an Astronaut!

For more information about Cady, see the Spring 2011 issue of the AFMMAA Newsletter which contains many more details about her outstanding career.



Meeting with former AFRL/RX astronaut Col. Cady Coleman. Front row (left to right) are: Jerry Petrak, Bob Denison, Tom Cooper, Vince Russo, Jim Mattice, John Williamson, Gary Waggoner, Cady Coleman, Kathy Stevens, Col. Todd Copeland, Bill Lehn, Al Gunderson, Joe Manter and Neal Ontko. Back Row (left to Right) are: Don Tarazano, Jerry Shumaker, Dennis Naughton, Bob Cochoy, Bob Rapson, Bill Woody, Warren Johnson, Charlie Browning, Ken Kojola, Matt Di Biase, Tobey Cordell, Walt Griffith, Tim Sakulich and Dick Engman.

THE SCHOLARSHIP PROGRAM

Since 2002, the AFMMAA and members of the RX Directorate have contributed over \$23,000 to the AFMMAA Scholarship Program. Donor gifts have come from alumni giving (\$14,445), the Combined Federal Campaign (CFC) Program (\$7,681), and the United Way of Dayton (\$1,059). This generous giving has enabled the AFMMAA to award twenty college scholarships to the children of RX civilian and military employees. The giving of RX employees through the CFC is very encouraging as it has increased each year. This giving should enable the

Scholarship Program to hopefully make more or perhaps larger scholarships in the future. If you wish to make a donation, please use the Membership Application and Scholarship Donor Form contained on page 7. If RX personnel desire to make a CFC contribution during the Fall Campaign, please indicate it is for CFC No. 85464.

2012 AFRL/RX ANNUAL AWARD NOMINEES AND WINNER

Listed below are all 2012 AFRL/RX Annual Award Nominees and the name of the single winner.

Administrative Excellence (Individual):

Ms. Asheley K. Blackford (RX - WPAFB, OH)

Mission Support (Team):

RXOF ESOH Team (RX - WPAFB, OH)
Mr. Rodney Steele, Mr. Michael Dillion,
Ms. Stephanie Parfitt, Mr. Donald Piddock,
Ms. Danielle Hyde, Mr. Phillip Rich and
Mr. Scott Gurney

Mission Support (Individual):

Ms. Mary Beth Holt (RX - WPAFB, OH)

Senior Noncommissioned Officer of the Year:

MSgt Andrew M. Hayes (RX - Robins AFB, GA)

International Award (Individual):

Dr. Augustine M. Urbas (RX - WPAFB, OH)

Supervisory (Individual):

Dr. Paul L. Ret (RX - WPAFB, OH)

Senior Leadership (Individual):

Dr. Charles H. Ward (RX - WPAFB, OH)

Company Grade Officer of the Year:

2nd Lt Rachel Kolesnikow-Lindsey
(RX - WPAFB, OH)

S&T Achievement Team:

Space Sensors Survivability Team
(RX - WPAFB, OH)
Dr. Christopher Brewer, Mr. James Theodore,
and Mr. Walter Johnson

S&T Achievement (Individual):

Dr. Jamie S. Tiley (RX - WPAFB, OH)

Field Grade Officer of the Year:

Maj Renardo M. Brown (RX - WPAFB, OH)

Field Grade Officer Individual Mobilization Augmentee of the Year:

Lt Col Elizabeth A. Beecher (RX - WPAFB, OH)

S&T Management (Individual):

Mr. Bryon P. Edmonds (RX - WPAFB, OH)

Commander's Cup (Team):

Synchrotron Experimentation Team
(RX - WPAFB, OH)
Dr. Todd Turner, Dr. Jay Schuren, and
Dr. Paul Shade

Commander's Cup (Junior Individual):

Dr. Timothy J. White (RX - WPAFB, OH)

Commander's Cup (Senior Individual):

Dr. Robert L. Nelson (RX - WPAFB, OH)
(WINNER!)

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.

- **Frank Cherry**, St. Paul, Indiana and Schulenburg, TX, fcherryconsit@light.com, Very retired with a home in Indiana and Texas. We always have good weather!! Travel a lot, Italy last year.
- **Doug Hutchens**, Wilmington, OH, rdhutchens@earthlink.net, Manage the AFRL Minority Leaders Program for UTC.
- **Paul Propp**, Hawthorne, CA, pmpropp@sbcglobal.net, Enjoying mountains of Tehachapi, very occasional sailing, always exchanges with ML friends. Toured big trees and wineries of California with Bill Payne now in MO.
- **Walter H. Reimann**, Franktown, VA, reimco@verizon.net, Now we are both retired doing more travel. Both in good health!
- **Donald Schmidt**, Beavercreek, OH, ohioschmidt@aol.com, No new info. Will make some of the luncheons. Always great to see alumni. Thanks for your time and efforts.
- **John Williamson**, Beavercreek, OH, johnw13@earthlink.com, Still traveling. In 2011 I skied in Sweden, started the year in Dubai over January 1st weekend. Another great trip was safari to Kenya and post trip to Zambia. Also did an Alaskan Cruise.

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.

YOUR AFMMAA OFFICERS AND COMMITTEE CHAIRS



Gary Waggoner
President
gwaggoner@woh.rr.com



John Williamson
Exec. Vice President
johnw13@earthlink.net



Dennis Naughton
Treasurer
naughton1996@woh.rr.com



George Slenski
Secretary
g.slenski@ameritech.net



Tobey Cordell
Membership
tmcgac1967@att.net



Tom Cooper
Newsletter Editor
tomnkate@juno.com



Charles Browning
Scholarship
charles.browning@notes.
udayton.edu

ADDITIONAL RECOGNITION AND AWARDS RECEIVED BY RX PERSONNEL

A number of RX personnel received recognition and awards recently. They included the following:

- Dr. Richard Vaia, AFRL/RXBN, was announced as a new Fellow of the Materials Research Society at an Awards Session at the MRS Spring Meeting on 11 April 2012.
- Max Alexander, AFRL/RXB, was named 2011 Program Manager of the Year by the OSD Comparative Technology Office for his efforts in planning and managing a program that demonstrated, built and delivered technology to AF, Army and Navy customers. This award was presented in February 2012.
- Walter Johnson, AFRL/RXPJ, received the Air Force Meritorious Civilian Service Award in March 2012.
- Dr. Ken Hopkins, AFRL/RXPS, was selected as a Fellow of the International Society for Optics and Photonics (SPIE). The selection was announced in the Spring 2012.

AILING AFMMAA MEMBER

AFMMAA Life Member Jerry Kelble (and one of our Founders) suffered a severe stroke in mid-February that initially appeared to be not survivable. Jerry struggled in intensive care at Kettering hospital for several weeks prior to beginning a long road of slow, but steady, recovery which included several setbacks. Those who know him are not really surprised that once he turned the corner for the better, he would fight vigorously for maximum recovery, including returning home to his family.

Jerry was moved from Kettering Hospital to Bethany Lutheran Village on April 6 and is undergoing very active Rehab. He now seems to recognize everyone, recall many past events, and appears even more upbeat on recovery than ever. He also is now able to engage actively in conversation on most subjects. If he continues to progress at this rate, he should be able to move on to assisted living and, eventually, home.

Keep Jerry and his family in your prayers and let's hope he is able to keep up the good work so we can see him in street clothes...and at an AFMMAA function soon!



**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**



This photo of the Materials and Manufacturing Directorate was taken in 1987. It was provided to the AFMMAA by Dr. Michael Schulte of General Electric Aviation, Cincinnati, OH. Dr. Schulte was a graduate student at the University of Cincinnati and he was starting his second day in the Laboratory when he was asked to join everyone else for the picture in support of Cady Coleman’s orbital flight. Dr. Schulte came across the 1987 picture featured here when he was talking to a colleague who also used to work in the Directorate. We hope you can find yourself somewhere in the picture.



NEXT MEETING OF THE AFMMAA

We will be holding our Spring Annual AFMMAA meeting/luncheon at the Dayton Engineer’s Club of Dayton, 110 E. Monument Ave., Dayton, OH 45402 on Tuesday, 12 June 2012. Please join us if you live in the area or just happen to be visiting Dayton. We encourage you to pass this on to someone who may not have email or someone you know who is currently not a member and would enjoy getting together with ML alumni. We plan to start at 10:30 am with a social hour. This will be followed by the President’s welcome, the latest developments in the Materials and Manufacturing Directorate, the luncheon, and the business meeting. Dress code is business casual. Agenda:

- 1030 Social Hour
- 1115 Welcome Gary Waggoner, President
- 1120 Dr. Kathy Stevens, - RX Director Remarks
- 1140 Buffet Luncheon
- 1230 Business Meeting
- 1330 Socialize

A buffet lunch will be served at the price of \$20.00 each (does not include wine or beer) which will be payable to Tobey Cordell (who is hosting the event as a member of the Engineers Club). The \$20 cost includes the meal, tax, the club gratuity and the balance will be applied to the AFMMAA scholarship fund. Cash is preferred.

Reservations are required by the Engineers Club. Please send your RSVP to George Slenski at g.slenski@ameritech.net NLT 8 June.

You do not have to be a current AFMMAA member to attend and may “re-up” membership at the meeting. RX members, RX alumni and friends are welcome.

We look forward to seeing you and renewing old acquaintances.

George Slenski, AFMMAA Secretary



RX HERITAGE INITIATIVE TASK UNDERWAY

The Materials & Manufacturing Directorate has contracted with MacAulay Brown, Inc. to begin summarizing key contributions that the Directorate has made to the Air Force over the years. This task will cover key technical accomplishments that have led to significant enhancements in warfighting capability in past and current Air Force weapon systems and in directorate support to Air Force modernization, operations and sustainment activities. UTC is providing support as a subcontractor to MacB. Gerald Shumaker is the MacB project lead. This initiative provides the Alumni Association the opportunity to partner with the Directorate to identify, describe, document and display the most noteworthy contributions of RX (ML) to the AF over the past few decades. The goal is to preserve the true story behind these important advances, which is quickly being lost, and to make these contributions visible in a variety of forms for the benefit of RX. Part of the message is that a long-term commitment to advanced materials, processes and manufacturing is required to bring important technical breakthroughs to fruition.

The initial plan is to collect pertinent information from RX Division points of contact, subject matter experts, RX Tech Info Support Center, AFRL History Office and RX Alumni then develop several hard-hitting stories of these technical accomplishments as “banner briefings” (with detailed notes pages). Where possible, the intent is to capture RX development from science to application. Near term goals are to use this information to complete the description of 2-3 banner project briefings per division that demonstrate RX excellence through warfighter support to AF and DoD executives. Longer term goals are to improve RX internal awareness of its heritage, improve pictures and displays in the RX complex and posture the Lab for its 100th anniversary celebration in 2017.

With the help of the Alumni Association, over 70 technology topics were identified in 2010-2011 for consideration. RX involvement, in some cases has reached back into the 70's. Topics currently under development include Carbon-Carbon and Composite Materials, Transmit/Receive Modules, Laser Eye Protection and Structural Failure analysis.

Mr. George Schmitt is the RX adviser for this task. The funding for this task runs through Aug 2012.

If you have topics and information that are a

key part of RX's history and would like to participate on a voluntary basis please email Shumaker at jerry.shumaker@macb.com or call him at 937.431.1535. Thanks for your help to date and in the future.

NEW AFMMAA WEBSITE

We now have a new website for our AFMMAA membership that includes many cool features for an active club. If you have internet access please go to www.afmmaa.org to view the public portion of the website. Before I describe the new website, I'd like to thank Bob Denison, Dick Engman and the UTC staff for setting up and maintaining our website for the last nine years. The new website is through a company that specializes in managing club websites which makes it very easy for a webmaster novice like me to setup and maintain the site. The site has public and member only areas which is a great way for protecting everyone's privacy. While many of us like to update our friends and colleagues on our status, at the same time, we don't want to give personal information out over the entire World Wide Web (WWW). Public areas include basic info on the club, scholarship info, upcoming events, cool links, and how to join. The membership restricted area (invisible to the public) includes names of the current board members, a blog for posting your own updates, downloadable copies of our newsletters, photos from recent events and a membership directory. The directory will initially contain only member names and their email. You have the option of adding more info and even photos when you update your profile. The system is capable of tracking membership levels and accepting online payments, a feature we have not yet activated.

This is the first public announcement on the new website. I'll be adding members that have emails over the next few months. Once you receive an email and logon you will be able to access the member only areas. You can also join on your own. Just go to the website: www.afmmaa.org and then to the join area and select the type of membership you have and I will activate your membership. It will generate an invoice which I will cancel so don't be concerned about getting a bill. You can sign up to receive a notice when someone posts a blog or if a new event is up coming. Try and use the blog area and let me know of good links to add and any other info that AFMMAA members would find useful or interesting. If you have any questions contact me at webmaster@afmmaa.org

George Slenski, AFMMAA Secretary and Webmaster

AFRL/RX LIAISON INFORMATION

“Congratulations from the Air Force Materials and Manufacturing Alumni Association” is the message that reached 18 of our newest retirees in April 2012. A letter was attached in an e mail that reached each new retiree from the officers of the AFMMAA including related information on association membership, benefits, a membership application and scholarship donor information. The application also requested information about the individuals for our website. The letter continued “The Air Force Materials and Manufacturing Alumni Association wishes to congratulate you and express our most sincere wishes for a long and happy retirement. Your dedication and service to the Air Force and the Materials and Manufacturing Directorate have been demonstrated through years of dedication and commitment, enhancing the ability of technology to better serve the needs of America’s fighting forces and the defense of the United States. Your efforts and personal contributions have exemplified the core values of Integrity First, Service before self, and Excellence in all we do.” The letter contained e mail addresses and phone contact information for all our officers. Over 150 members have joined since the charter was approved by the Executive Board on August 1, 2001. We currently have 56 lifetime members. The AFMMAA meets twice annually at formal meetings and monthly for informal luncheons at local area restaurants. More information may be found at our website <http://afmmaa.org/>. See article on the new website in this newsletter. We wish our newest retirees all the best life has to offer in their retirement. Membership in the AFMMAA is encouraged as one way to stay in touch with our colleagues. Please frequent the website for news and future AFRL/RX or AFMMAA events.

Neal Ontko, AFMMAA Liaison to AFRL/RX

SPRING 2012 SCHOLARSHIP UPDATE

The Air Force Materials and Manufacturing Alumni Association (AFMMAA) established the merit scholarship program for the purpose of assisting selected high achievement, educationally oriented sons and daughters of the current AFRL/RX government workforce. Two categories of scholarships were established: an Alumni Association Scholarship, intended for recipients interested in non-technical areas, and a Chief Scientist’s Scholarship, intended for recipients interested in the pursuit of one or more of the fields of science (including the health sciences), math, and engineering.

The call for applications for the 2012 AFMMAA Scholarships has been placed on the AFMMAA website and on the AFRL/RX Intranet. Applications are due no later than 18 June. The scholarship committee will then complete its deliberation process and forward the results to the AFMMAA Board for approval. Selectees should be announced in the early Fall 2012 time period.

The results of the 2011 scholarship awards were reported in the Fall 2011 AFMMAA Newsletter. Due to the generosity of those supporting the Association through the CFC and other special donations, the association was able to award two \$1500 scholarships, both in the Chief Scientist’s category for science, math or engineering. One was awarded to Seth Cazzell, who is attending the University of Illinois, majoring in Materials Science and Engineering. The second was awarded to Scott Schwenker who is attending Purdue University, majoring in Aerospace Engineering. They were recognized at the RX Awards Luncheon held at the Hope Hotel in January 2012.

Charles E. Browning, Scholarship Chairman

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 \$14,000 for college scholarships to the children of civilian and military employees. Additionally, many RX individuals have contributed \$8,740 to the AFMMAA through the CFC and United Way Programs. We thank all for their generous giving which makes our scholarship program successful.

Platinum Donors (Over \$1000)

Walter W. Adams, Alan Lovelace, Julia Millham, and John Williamson

Donors (\$500 to \$999)

Robert L. Denison, Paul Propp, and Gary Waggoner

Silver Donors (\$200 to \$499)

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

Bronze Donors (\$100 to \$199)

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



AFMMAA CHARTER AND LIFE MEMBERS MAY 14, 2012

We currently have 56 Life Members and hopefully that number will continue to grow each year. If you are not a “Lifer” we encourage you to join now. If you are currently a Life Member we encourage you to contact your fellow alumni, who aren’t “Lifers”, and encourage them to “sign up”. Our most recent Life Member is Kay March. Thank you Kay - for becoming a “Lifer!” If you wish to become a Life Member, pay yearly dues or contribute to the scholarship fund please use the membership and scholarship donors form in the Newsletter. Your membership and scholarship contributions are very important to support our goals 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 Charter and Lifetime Members - 14 May 2012		
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	George Schmitt
Phil Bouchard*	Bob Kincses	Don Shrader
Charles E. Browning	John Koenig	Jerry Sieron
Lawrence Butkus	Edward Kuhl	George Slenski
Dennis Corbly	Cole Litton*	James Snide
Ken Elbaum	Kay March	John Speers
Dick Engman	Michael McCabe	George St. Pierre
Kathleen Falensky	Bobby McConnell	Katherine A. Stevens
Larry Fehrenbacher	James L. Mullineaux	Donald Tarazano
Thomas Fiorino	Dennis Naughton	Scott Theibert
David W. Fischer	Neal R. Ontko	Jon Tirpak
Harold Gegel	Larry Parsons	Gary Waggoner
Henry C. Graham	Cyril (Sonny) M. Pierce	Roland Watts
Alten (Skip) Grandt	Bob Rapson	Dennis Wisnosky
James A. Hall	John Rhodehamel	Bill Woody
John Henderson	Terry M. Ronald	Carol Yarnall
Rob Hull	Vince Russo	
Henry Johnson	Timothy J. Sakulich	
Warren Johnson	Paul Sampson	*Recently Deceased
David Judson	Robert Schafrik	

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 2012 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 10: A) Vincent DiPierre; B) William Dirkes; C) Edward Dugger; D) Warren Griffin; and E) William Lehn.

LOSSES FROM THE RX (ML) FAMILY

We have not heard of any losses from the RX Family since our last Newsletter.

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

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.