



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

SEVENTEETH EDITION

FALL 2012

## AFRL/RX NEWS

### **New vision reflects commitment to ICMSE:**

The RX Executive Group has established a new vision statement for the Materials and Manufacturing Directorate that clearly puts Integrated Computational Materials Science and Engineering front and center. The new vision is, "Drive USAF systems design, production, operation, and sustainment by coupling computation and experiment to envision, create, deliver, and support materials & manufacturing solutions."

**More parking space at RX:** The next time you visit RX, you may notice either construction or even a new parking lot! One of the entrances from Hobson Way will be eliminated. The horseshoe will have one side eliminated and the other side will be made into a two-way street. This will give RX approximately 100 additional parking spaces. The contractor plans to begin the paving and make the new parking lot usable before winter, then come back in the spring and apply the final blacktop layer to complete the project.

**Synergy of research teams:** The new research teams discussed in the last newsletter have begun working on initial detailed research plans. A kick-off meeting for the new research teams was held on 25-26 June, providing guidance concerning research planning. Since then, the teams have been working diligently to establish their plans, which are expected to be completed in November. However, the teams are not waiting for the plans to be completed—they are working to conclude or continue ongoing projects and have begun activities in new technical areas.

**Division Chief changes announced:** Dr. Rollie Dutton has been selected to be the new RXM Division Chief. Rollie received his PhD in Ceramic Engineering from the University of Missouri-Rolla. He has worked in ManTech on two separate assignments since he joined RX in 1992. Mr. Tim Strange has moved over from the RXO Division Chief position to be the acting Chief of Strategy. Ms. Pam Schaefer will be acting RXO Division Chief until this new position can be permanently filled. The Chief of Strategy will advise the Director concerning strategic planning and communications.

**Celebrating RX people:** As part of a recent review, several interesting statistics were gathered which

reflect the high quality of RX's people and research.

- RX has 32 technical society fellows
- RX has 30 of the 156 AFRL Fellows
- RX has 9 technical society national leaders
- In the past year, RX personnel have received 7 patents
- In the past two years, RX has published over 400 refereed journal articles and over 200 technical reports
- Between 1996 and 2006 in the field of Materials Science, the U.S. Air Force had the highest level of citations of their work of any DoD Laboratory

## NEW DEPUTY DIRECTOR

The Materials and Manufacturing Alumni Association gives a warm welcome to the Directorate's new Deputy Director, Colonel John Gloystein.

Col Gloystein graduated from the US Air Force Academy as a distinguished graduate in 1992. Selected for a Joint Institute for Advancement of Flight Sciences Fellowship, he earned a master's degree in aeronautics while working at NASA on researching control-law theory. Earning his wings in 1994, he has flown more than 1,400 hours in the F-16, including 153 combat hours. After graduating as the number one graduate of the USAF Test Pilot



**Colonel John  
Gloystein**

School, Colonel Gloystein has flown 26 different types of aircraft as well as several high-risk test missions. After attending Naval Command and Staff College, he was selected to go to the School of Advanced Air and Space Studies. Following school, Colonel Gloystein was assigned to the Curtis E. LeMay Center for Doctrine Development and Education where he was responsible for development of the Air Force's first-ever cyberspace operations doctrine. Colonel Gloystein then attended the Air War College at Maxwell AFB, where he graduated first in his class. Following graduation, Colonel Gloystein became Deputy Chief of Special Projects, at US Central Command, then

*(Continued on Page 2)*

*(New Deputy Director continued)*

Liaison to the Iran Operations Division at CIA, prior to his current assignment.

Col Gloystein holds Master of Science degree from George Washington University in Aeronautics and a Master of Arts degree in National Security and Strategic Studies, from the College of Naval Command and Staff. Additionally, he holds Master of Arts degrees in Airpower Art and Science and Strategic Studies from Air University.

Col Gloystein is married to Andrea Heasley Gloystein, who is currently employed as a School-Wide Teaching Specialist and Assistant Principal at Roosevelt Middle School in Erie, PA. They have two children, Reagan, 11 years old and Taylor, 9 years old who are ardent soccer players.

We asked Col Gloystein to comment about his experiences at RX thus far:

“I have been extremely impressed (and pleasantly surprised) with the long-range vision and perspective of the scientists and engineers in the Materials and Manufacturing Directorate. They are solving problems that won’t even become issues for at least five years down the road. This takes tremendous intellect, wisdom, and foresight. It also takes moral courage. Unfortunately, in this fiscal environment, it can be tough to sell these vital programs, which can save billions of dollars in the future. I see that as my challenge as I discuss the great research we do here with others in the AF and DOD.

I remember coming here as an Air War College Student and seeing the one-of-a-kind equipment in RX and hearing the vision of some of the scientists. It really helped our group obtain a better appreciation of what the next generation of threats may be like in 2030. What is interesting to me, as I look back, is the amount of time RX scientists spend looking at defenses for the intimidating emergent technologies (in 2020) that we were studying. While senior leaders tend to focus on the emerging threats, scientific leaders at RX begin to solve for vulnerabilities that these threats create—molding our future Air Force.

On a more personal note, I am thrilled to come to an organization with a long, rich history (1917, making rubber for tires and canvass) and an active alumni group. Everyone here has made me feel very welcome. Every time some issue comes up from HQ AFMC or the Pentagon, someone is already working the solution in RX. The organization has such a wide variety of extremely capable folks; working here is truly a blessing. I hope to continue the tradition of excellence as the Deputy.”

## UPDATE ON INTEGRATED COMPUTATIONAL MATERIALS AND MANUFACTURING SCIENCE AND ENGINEERING (ICMSE)

We established an integrated product team (IPT) this past spring to focus our efforts on an RX-wide ICMSE effort, and have initiated three new external contracts to engage both industry and academia in this endeavor. A 2008 National Research Council report defined this effort as “...the integration of materials information, captured in computational tools, with engineering product performance analysis and manufacturing-process simulation.” It’s all about coupling experiment with computational models in order to discover, develop, design, manufacture and sustain materials solutions much more rapidly than we’ve done in the past. This will require us to develop predictive models of materials behavior that are integrated with component design methodologies.

Internally we’re working to dramatically reshape our IT infrastructure to support a networked research environment. This environment consists of an entirely new hardware infrastructure that will allow our experimental equipment to be directly connected to central data repositories, will allow more local control of software and configurations, and will enable external collaboration. This new environment will also employ the latest software developments to manage research workflow, data management, and enable easy collaboration between researchers--both experimentalists and modelers.

Externally, we’re establishing two new efforts with industry to solve Foundational Engineering Problems (FEPs) on design of composite components for engine and airframe applications, and incorporation of residual stresses into nickel based superalloy engine rotor applications. The idea behind a FEP is that we identify a known material, manufacturing route, and application to develop the integrated computational framework needed to significantly reduce the uncertainty and time involved in the materials and component design process. From these efforts we’ll learn how to construct an integrated design framework, which includes a digital infrastructure for transmitting materials information. We’ll also learn where the technology shortfalls are and how we need to invest in further R&D to solve those challenges. We’ve also jointly established a Center of Excellence with AFOSR at Johns Hopkins University to develop some of

*(Continued on Page 3)*

*(ICMSE article continued)*

the basic experimental and computational tools needed for ICMSE of structural materials.

We've also taken a leading role on the President's Materials Genome Initiative (MGI) ([www.whitehouse.gov/mgi](http://www.whitehouse.gov/mgi)) to move the disciplines of materials and manufacturing forward in adopting the practice of archiving digital research data for reuse. We're hopeful that over the next several months we'll have some exciting news regarding new community-wide approaches to archiving and sharing digital materials data.

*By Dr. Chuck Ward, ICMSE IPT Lead*

**NATIONAL ADDITIVE MANUFACTURING  
INNOVATION INSTITUTE (NAMII)  
A PILOT INSTITUTE FOR THE NATIONAL  
NETWORK FOR MANUFACTURING INNOVATION**

The Materials and Manufacturing Technology Directorate led an interagency collaborative effort to launch a public-private partnership, the National Additive Manufacturing Innovation Institute (NAMII), which was awarded to the National Center for Defense Manufacturing and Machining (NCDMM), a not-for-profit 501(c)3 company, in August 2012. AFRL/RX was chosen to lead this important initiative due to its continued role in managing the Defense-wide Manufacturing Science and Technology Program. NAMII will serve as an example of best practices for the proposed National Network for Manufacturing Innovation (NNMI) (<http://www.manufacturing.gov/nnmi.html>) as it brings together diverse groups from academia, industry and government to develop technologies and foster manufacturing innovation.

Additive manufacturing, more commonly known as "3D Printing", is a suite of emerging technologies to fabricate metallic, plastic, ceramic, and electronic parts for applications as diverse as lightweight aerospace structures and custom biomedical implants, all using a layer-by-layer technique, where material is placed precisely as directed from a 3D digital file. Additive manufacturing is an enabling technology for the military, potentially enabling spare parts to be build or platforms to be repaired in theater, enabling last-minute design adjustments to respond to mission changes, and building complex parts more affordably. The main goal of the institute is to bridge the gap between basic research and technology adoption.

The interagency team consists of technical experts within the DoD, DOE, NASA, NSF, and NIST. The

management of NAMII is through a cooperative agreement where the participating organizations share a vision for transitioning additive manufacturing technology, creating an adaptive workforce capable of meeting industry needs, and further increasing domestic competitiveness. The award of \$30M of government funding has been matched by \$39M of funding.

The NAMII technology incubation hub has opened in downtown Youngstown, Ohio, the center of the regional cluster of universities and businesses across the "Tech-Belt" extending from Northeastern Ohio into Northwestern Pennsylvania and West Virginia. Led by the Youngstown Business Incubator (YBI) using leveraged state and local funding, an abandoned furniture warehouse was transformed within 6 weeks into an urban manufacturing loft with open collaborative laboratory spaces. State-of-the-art additive manufacturing equipment has been entrusted to the hub by the member companies. This collaborative environment will encourage technology development and dissemination, while providing small businesses access to necessary equipment and expertise. One of the first steps for NAMII is to develop a national strategy/roadmap for additive manufacturing, with strong leadership from the membership companies. This will be followed by subsequent calls for project proposals to address the strategic areas identified in the roadmap, with project activities beginning within the hub and other partner facilities by February 2013. For more information, please visit [www.namii.org](http://www.namii.org).

*By Dr. Jennifer Fielding, AFRL/RXMS*

**RAJESH NAIK SELECTED AS  
AFRL FELLOW**

On 27 September 2012, Rajesh Naik, AFRL/RXAS, was inducted in the new class of AFRL Fellows for his many outstanding contributions to RX, AFRL and the Air Force. Sincere congratulations to Dr. Naik!



## FALL 2011 SCHOLARSHIP PROGRAM UPDATE

We are pleased to announce that the AFMMAA has awarded four 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 all four 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 four \$1000 scholarships this year to the individuals listed below.

**1st Chief Scientist's Scholarship** – Stephen Bolan. Stephen attended Centerville HS, ranking 15th out of a class of 687. His list of awards, extra-curricular activities, and community service is exceptional. He was a Centerville HS Scholar Athlete of the year. Stephen received an AP Scholar with Distinction Award. Externally, among numerous activities, he has volunteered at St. Vincent de Paul Food Pantry and the Humane Society, and assisted with playground construction. He is attending the Ohio State University, majoring in Chemical Engineering. He wants to work in the field of energy development, ultimately going to grad school. His father is Bret Bolan in RXSA.



**Stephen Bolan**

**2nd Chief Scientist's Scholarship** – Seth Cazzell. Seth also attended Centerville HS, where 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 in his second year at the University of Illinois, majoring in Materials Science and Engineering. His academics are outstanding and he continues with his service, volunteering at the Illinois State Science Olympiad Tournament. His father is Greg



**Seth Cazzell**

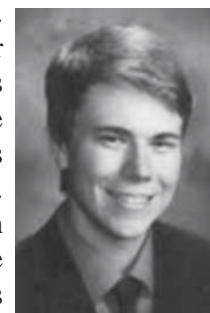
Cazzell in RXME.

**3rd Chief Scientist's Scholarship** – Shayta Roy. Shayta attended Beaver Creek HS, where she was a valedictorian. Her list of awards, extra-curricular activities, and community service was impressive. She is a National Merit Scholar and has participated in the Science Olympiad for four years, placing second in the state in 2011. She has also interned in RX, in areas such as liquid crystals and nanotechnology. Externally, she has volunteered at the Miami Valley Hospital and worked on the Beaver Creek Youth Council. She is attending the University of Illinois, majoring in Chemical Engineering. She plans to ultimately pursue a PhD. Her father is Ajit Roy in RXAN.



**Shayta Roy**

**4th Chief Scientist's Scholarship** – Nicholas Woodward. Nicholas attended Centerville HS, earning an award for Academic Distinction. His list of awards, extra-curricular activities, and community service was outstanding. He participated in the Science Olympiad for several years and was a Science Olympiad coach. He earned medals in many areas in both state and national tournaments. He also has participated in Xtreme 'Bots for several years. Nicholas received the President's Education Award for Outstanding Academic Excellence for several years. He is attending Worcester Polytechnic Institute, majoring in Robotics Engineering. His father is Chris Woodard in RXCM.



**Nicholas Woodward**

The AFMMAA recognized these awardees and their families at the RX Director's Call on 14 September 2012.

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

The 2013 Scholarship cycle will kick off in mid-February 2013 with the Call for Applications being released by the RX Director through the RX Intranet.

*By Charles E. Browning, Scholarship Chairman*

**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. Here are their recent comments we received since the last Newsletter.

**Matt Di Biase**, matthew.dibiase@boeing.com, Manager, Dayton Field Marketing Office, Boeing Defense, Space and Security.

**Willa Eichelman**, willamena6@yahoo.com, Contracts Manager at UTC.

**Ken Elbaum**, jke20530@aol.com, Enjoying retirement.

**Walt Griffith**, griffith@woh.rr.com, Still working part time as an independent contractor doing consulting.

**Jim Mattice**, jmattice@utcd Dayton.com, Part time at UTC, Engineers Club Foundation Board, Enjoy biking, shooting and wine tasting.

**Cyril (Sonny) Pierce**, sonnyP@fuse.net, Pierce Consulting LLC, in Florida and Ohio. Active in support of the Air Force.

**Terry Ronald**, terry@basicallybritish.com, Working my Tea Room, Tea Room, and Tea Room. (Terry's Tea Room kept him busy. We understand he is now retired, retired, retired.)

**Donald Tarazano**, dtarazano@woh.rr.com, Enjoying not paying any electric bills since I have a solar system, Reviewing all the math courses I have taken, Enjoying backyard projects and enjoying my family and grandkids!

**George Schmitt**, george.schmitt@wpafb.af.mil, Continuing instrumental and vocal musical groups. Enjoying our first granddaughter.

**John Speers**, 'taffy45431@ameritech.net, Participate on AFMMAA Scholarship Committee, lots of traveling, and spend lots of time with grandkids. Attempts to golf!

**Roland Watts**, rolandjw@Zoomtown.com, Engineers Club, STEM Flight Simulator (F-16)

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.

**AFMMAA COMING EVENTS**

Please mark your calendar now for the following AFMMAA coming events. Reservations are required for the AFRL/RX Annual Awards Luncheon on Friday 18 January 2013 by Tues 15 January. RX will soon advise us of the menu selections and the price. You will be able to register on line. The AFMMAA will provide the key information to our members by email and on our website www.afmmaa.com to enable you to sign up. Every year we have excellent participation in these events. Please contact George Slenski at g.slenski@ameritech.net if you have any questions.

Friday, 14 Dec '12 - **AFRL/RX Holiday Party** at Bldg 653 Cafetorium 1100 to 1600 hrs

Thursday, 17 Jan '13 - **AFRL/RX Awards Recognition Ceremony** at RX Bldg 653 Cafetorium 1400-1530

Friday, 18 Jan '13 - **Semi Annual AFMMAA Membership Meeting** at Hope Hotel, WPAFB 0900-1100

Friday, 18 Jan '13 - **Annual AFRL Awards Luncheon** at Hope Hotel, WPAFB 1100-1400 hrs (reservations required by Tues 15 Jan)

**CURRENT RX WORKFORCE**

The current size of the RX government workforce includes the following as of 30 September 2012:

a) Civilian Employees		389
WPAFB	349	
Tyndall	26	
Tinker	6	
Hill	6	
Robins	2	
b) Military		54
WPAFB	27	
Tyndall	12	
Robins	8	
Tinker	3	
Hill	3	
Spain (ESEP)	1	
c) Contractors		676
WPAFB	530	
Tyndall	138	
Robins	7	
Hill	1	
d) SCEP (COOP) Students		17
WPAFB	17	
	Total	1136

## 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 and on page 8.

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, 2012, 26 scholarships totaling \$26,000 have been awarded.

#### Scholarship Winners:

- 2012 Stephan Bolan, Chief Scientist, \$1,000; Seth Cazzell, Chief Scientist, \$1,000; Shayta Roy, Chief Scientist, \$1,000; Nicholas Woodward, Chief Scientist, \$1,000
- 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

### “LOST” ALUMNI

We need the addresses, emails, and/or phone numbers for the following “lost” alumni. Most have recently retired; however, some have moved and the Post Office will no longer forward our mail to them. If you know any information for these “lost” alumni please contact Membership Chairman Tobey Cordell at TCordell@utcd Dayton.com or cell phone 937-287-1871.

- |                     |                     |
|---------------------|---------------------|
| Francis M. Borasz   | Philip Julian       |
| Julius R. Brodeck   | Dr. William Lampert |
| Reynaldo Carranza   | Robert R. Lewis     |
| Dr. Robert D. Craig | John L. Lindsey     |
| Robert L. Crane     | Millard G. Mier     |
| Leland Demeritt     | John R. Sizelove    |
| Gerald Elmers       | Rose Marie Snow     |
| Frank F. Findlay    | Terry L. Stewart    |
| Michael Halliwell   | Robert Taylor       |
| Dr. Alan K. Hopkins | Nate Tupper         |
| Barbara J. Johnson  |                     |



**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 SPRING MEETING AND LUNCHEON**

The AFMMAA Spring Meeting was held on the 12th of June at the Engineers Club of Dayton. It started with a social hour, where the 34 attendees had fun greeting each other. Attendees had come from as far away as Maryland to attend. And, of course, many of the attendees were local Dayton area residents. After a welcome to all by Gary Waggoner, Dr. Kathy Stevens, the Materials and Manufacturing Directorate (RX) Director, was introduced. (Kathy is a Lifetime AFMMAA Member.) Kathy provided an update on the latest changes at RX. There were many questions for Kathy from the interested attendees. This was followed by lunch and the business meeting, including reports from the Treasurer, the VP for Membership, and Scholarship Chairman. George Slenski demonstrated the new AFMMAA website. Neal Ontko gave a status presentation on the RX Heritage Initiative.



**AFMMAA Meeting held at the Dayton Engineers Club on 12 June 2012. The people in the picture are: Seated, 1st Row: Jim Mattice, Vince Russo, Kathy Stevens, Charlie Browning, and Tim Sakulich. Standing, 2nd Row: Tobey Cordell, John Williamson, Ken Elbaum, Clay Harmsworth, Joe Kolek, Walt Griffith, Warren Johnson, Matt Di Biase, Ken Kojola, Tom Cooper, Bob Rapson, and Don Forney. Standing, 3rd Row: George Schmitt, Sonny Pierce, Don Tarazano, Terry Ronald, Jerry Petrak, Don Shrader, John Speers, Neal Ontko, George Slenski, Roland Watts, Al Gunderson, Bob Denison, and Gary Waggoner.**



**NEW AFMMAA WEBSITE**

I hope everyone has checked out our new website. If you have internet access go to [www.afmmaa.org](http://www.afmmaa.org) to view the public portion of the website. The site has public and member only areas. To remind everyone, the 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. We have still not activated the feature that accepts online payments.

Right now we have 32 AFMMAA website members. When I get some time I'll add more members. You can always sign up on your own. Just go to the website: [www.afmmaa.org](http://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. Once you are a member you can view the online member directory and post a blog or view new events. If you have any questions contact me at [webmaster@afmmaa.org](mailto:webmaster@afmmaa.org)

*George Slenski, AFMMAA Secretary and Webmaster*



# RX GRANDCHILDREN ELIGIBILITY FOR 2012 SCHOLARSHIPS

At our spring AFMMAA meeting, we discussed allowing the grandchildren of current RX government employees to be eligible for scholarships. Currently the AFMMAA charter states only sons and daughters of current AFRL/RX government employees are eligible for AFMMAA scholarships. Adding grandchildren would be a change to the AFMMAA Charter and Scholarship description. A charter change requires a special vote by the AFMMAA membership at one of the semi-annual meetings. The charter also states under article 8: Notice of the meetings shall be mailed/e-mailed to members at least 30 days before the scheduled date and all other matters presented to the membership for approval shall be determined by a majority of the voting members present and by absentee ballots received. The AFMMAA Board passed a resolution in 2012 to make RX employee grandchildren eligible for the AFMMAA scholarships. This notice in the newsletter fulfills the announcement of the proposed charter change so voting can be accomplished at the January 2013 AFMMAA meeting which occurs on the morning of the RX award luncheon. If you have questions, please contact George Slenski, AFMMAA Secretary. The proposal is to change the AFMMAA charter as described below:

From the AFMMAA Charter:

### ARTICLE 2 — PURPOSE

- 7. To provide Merit Scholarships to children or grandchildren (add) of current AFRL/RX civilian and military employees.

### 2012 Scholarship Description:

PURPOSE: The Air Force Materials and Manufacturing Alumni Association (AFMMAA) establishes this merit scholarship program for the purpose of assisting selected high achievement, educationally oriented sons and daughters or grandchildren (add) of current AFRL/RX government employees (“AFRL/RX”, in this document, refers to AFRL/RX as well as its predecessor organizations).

# 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 \$14,907 for college scholarship to the children of civilian and military employees. Additionally, many RX individuals have contributed \$9,983 to the AFMMAA

through the CFC and United Way Programs. We thank all for their generous giving which is very essential to make our scholarship program so successful.

### Platinum Donors (over \$1000)

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

### Gold Donors (\$500 to \$999)

- Robert L. Denison Paul Propp
Dr. Thomas D. Fiorino Gary Waggoner

### Silver Donors (\$200 to \$499)

- AFRL/MLO Douglas Hutchens
AFRL/ML Exec. Group Kenneth Kojola
Lawrence Butkus G. Edward Kuhl
Tom Cooper Meir and Ruth Pachter
Dr. and Mrs. Ronald Eby George St. Pierre
Gordon H. Griffith

### Bronze Donors (\$100 to \$199)

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

# 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 AFMAA on October 3rd at the Charity Fair and Base-wide kick-off of the CFC. This is the sixth year that we have participated at the event, held at the Nutter Center, with the entire main concourse filled with booths from the various agencies participating. We showed pictures of the scholarship winners and stressed that all of the CFC donations go toward the student scholarships.



**John Williamson and Tobey Cordell at the CFC  
Kick-Off Event in October 2012**

## NEW AFRL TECHNICAL DIRECTORATES OSCs

<u>Former</u>	<u>New</u>	<u>Directorate</u>
RB	RQ	- Aerospace Systems (Combined with RZ)
RZ	RQ	- Aerospace Systems (Combined with RB)
RD	RD	- Directed Energy
RH	711HPW/RH	- Human Effectiveness
RI	RI	- Information
AFOSR	RS	- Air Force Office of Scientific Research (Still goes by AFOSR)
RV	RV	- Space Vehicles
RW	RW	- Munitions
RX	RX	- Materials and Manufacturing
RY	RY	- Sensors
RO	RO	- Chief of Staff  (This one is never used.)

Change effective as of October 2012.

## 2012 AF STEM AWARD RECIPIENTS

The Air Force Chief Scientist, Dr. Mark Maybury, and the Deputy Assistant Secretary of the Air Force for Science, Technology, and Engineering, Dr. Steven Walker have announced the Science, Technology, Engineering and Mathematics (STEM) award recipients for this year. Included in the winners were two members of AFRL/RX.

- Jason A. Blake (AFRL/RXMP) won the Manufacturing Technology Award.
- Dr. Rajesh R. Nail (AFRL/RXAS) won the John L. McLucas Basic Research Award.

Congratulations to Jason and Rajesh on their awards and the great work leading up to them! The awards were presented to them at the awards presentation dinner on the evening of 23 August 2012 held at the Wright-Patterson AFB Officers Club. Secretary Michael Wynne, former Secretary of the Air Force, was the keynote speaker. Great work by two outstanding AFRL/RX personnel!

## BASICALLY BRITISH CLOSES

The Basically British tea room at 502 E. Third Street, (created and operated by Dr. Terry Ronald, longtime AFMMAA member and former Materials Lab employee) and its adjacent gift shop, was closed as of 29 September 2012, Dr. Ronald announced. The Shop's lease was expiring, and co-owners Terry and Vicki Morris decided to retire. The Basically British gift shop started at the Second Street Market nearly eight years ago, and moved to the E. Third Street location in 2006. Ronald and Morris added the tea room in 2009. Its wonderful environment will be greatly missed locally. In an email to its many customers, the couple wrote: "From our beginning as a vendor at the Second Street Market, to the loyalty and enthusiasm we have been so fortunate to enjoy in the tearoom, we have met wonderful people and made many new friends whom we value greatly. As sad as we are, we have a treasure-trove of memories to which each of you has contributed. Our hope is that you will take with you many pleasant memories of Basically British."

**AFMMAA CHARTER AND LIFE MEMBERS**

We currently have 59 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 contact fellow alums who aren’t “Lifers” and encourage them to join. 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 or on the [www.afmmaa.com](http://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 Charter and Lifetime Members - 1 November 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	Henry Johnson	Timothy J. Sakulich
Tia Benson-Tolle	Warren Johnson	Paul Sampson
Phil Bouchard*	David Judson	Robert Schafrik
Charles E. Browning	William V. Lampert	George Schmitt
Lawrence Butkus	Bob Kincses	Don Shrader
Dennis Corbly	John Koenig	Jerry Sieron
Mathew DiBiase	Edward Kuhl	George Slenski
Ken Elbaum	Cole Litton*	James Snide
Dick Engman	Kay March	John Speers
Kathleen Falensky	Michael McCabe	George St. Pierre
Larry Fehrenbacher	Bobby McConnell	Katherine A. Stevens
Thomas Fiorino	James L. Mullineaux	Donald Tarazano
David W. Fischer	Dennis Naughton	Scott Theibert
Harold Gegel	Neal R. Ontko	Jon Tirpak
Henry C. Graham	Larry Parsons	Gary Waggoner
Alten (Skip) Grandt	Cyril (Sonny) M. Pierce	Roland Watts
Lois J. Gschwender	Bob Rapson	Dennis Wisnosky
James A. Hall	John Rhodehamel	Bill Woody
John Henderson	Terry M. Ronald	Carol Yarnall
Rob Hull	Vince Russo	*Recently Deceased

**AFMMAA SCHOLARSHIP FUNDING  
NOVEMBER 1, 2012**

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 2001, it has received contributions of \$24,890 from members and friends which enabled us to award 26 scholarships totaling \$26,000. 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.

**COMPOSITES MANUFACTURING MAGAZINE AWARD**

Each year, Composites Manufacturing magazine, a publication of ACMA, the American Composite Manufacturers Association, recognizes individuals with their B.E.S.T. (Bright, Energetic, Skillful, Trailblazer) recognition. In the July/August 2012 issue, Tara Storage, AFRL/RXCC, was one of those singled out for this recognition. Congratulations to Tara for this well-deserved recognition.

**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.



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 9

A) Robert E. Brocklehurst; B) Gerhard F. L. Ehlers;  
C) David W. Fischer; D) Larry A. Harrah; and E) Alan M. Lovelace.

### 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.

Gerald (Jerry) Shumaker 11 June 2012

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

### NEXT MEETING OF THE AFMMAA

The next meeting of the AFMMAA is scheduled for Friday, 13 January 2013 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.