



AIR FORCE MATERIALS AND MANUFACTURING ALUMNI ASSOCIATION (AFMMAA) NEWSLETTER

NINETEETH EDITION

FALL 2013

AFMMAA PRESIDENT'S MESSAGE

And this is my first chance to speak to you as President. I first want to say your **AFMMAA is healthy**. Thanks to your contributions and the contributions of the AFRL/RX employees during the Combined Federal Campaign, we continue to be able to offer significant scholarships to the children and grandchildren of AFRL/RX military and civilian employees. Our summer meeting was the largest gathering of alumni to date. We have just successfully changed to a new set of leaders for the organization. We have continued to be actively engaged with the Materials and Manufacturing Directorate. This is all a result of your participation, so you can be proud of your involvement.

As I just mentioned, we have a **new administration for our AFMMAA**. We still have a number of people who agreed to stay in their posts but we have a new President, myself, a new Vice President, Matt Di Biase, and we have a new membership chairperson and RX liaison, Neal Ontko, with the continuing assistance of Dick Engman. George Slenski continues as our Secretary and webmaster, even though he is currently remote. Dennis Naughton continues to be the Treasurer and do an excellent job. Charlie Browning is the Scholarship chairperson and has just finished the very difficult task (with his team of AFMMAA volunteers) of selecting three new candidates for scholarships this year. Tom Cooper, who has always done an excellent job with the Newsletter has agreed to stay on, but he has requested that we find a person to replace him. So my first request as your President is to find someone who would **volunteer to take over the challenging, but important, position of being the newsletter chairperson**. As you know the newsletters come out twice a year, fall and spring, and are a very important way to connect with each of you. George Schmitt continues his role as a vital connection to RX.

One critical fact that I want to make you aware of, at the time I write this, is that this year's **Combined Federal Campaign has been indefinitely suspended** as a result of the government shutdown. The campaign was originally slated to operate from September 1 through December 15. And so campaign contributions were not accepted during the shutdown. The suspension will

remain in place until there's a continuing resolution or congressionally approved appropriation. Currently the suspension includes all CFC events, training and fundraising. As you know, the CFC has been an important contributor to our resources for scholarships and we will keep you apprised as to what happens with this. Each year I have attended the kick off celebration for the CFC with John Williamson. I was planning to do so again this year, in this case with Matt DiBiase, but of course that was all ended when they suspended the CFC.

Another key activity that had happened, of course, was the **furloughing of government employees**. This has had a significant effect on the morale of employees that are currently working in RX and the furlough
(Continued on Page 2)

RX UPDATE

I am still the Acting Director of the Materials and Manufacturing Directorate, despite the fact that the selection committee has chosen a new Director. There's more on that in a separate article. I am enjoying every minute of it. As you already know, RX is a great place to work and a fantastic organization to lead!

It has been a rough summer and fall for the Air Force and RX. We had furlough over the summer. Most civilians had 6 days of unpaid leave. For some, it was time to spend with family or work on the house; however, it was still a financial hardship. Then, starting on October 1st, the government shutdown began. All the civilians in RX North (those at Wright-Patt), were able to keep working through the shut down because of the way that they are paid, but our colleagues at Hill, Tinker, and Robins AFB were out on furlough again for 4 days. Starting on the 7th of October, they were also brought back to work, and they will receive back pay for that period of time. Fortunately, I do not expect more furloughs the rest of the fiscal year.



**Colonel John
Gloystein**

(Continued on Page 3)

(AFMMAA President's Message continued)

requirements were strict in terms of not allowing them to work additional hours or weekends and they had to take one day of the week off, which was to be a Friday or a Monday. During those times they were not allowed to use their office facilities. There is still the specter of additional furloughs in the current fiscal year. It's certainly a period of great uncertainty.

We recently met with Col. John Gloystein, the Acting Director of the Materials and Manufacturing Directorate, and Dr. Karla Strong, the Assistant to the Director. Here is how I introduced AFMMAA to him:

The AFMAA goals are:

- 1) To foster recognition of the importance of the Directorate's contributions to the mission of the Air Force and the US industrial base.
- 2) To provide a structure for the exchange of information related to AFRL/RX, its past and present personnel, its past accomplishments, its current activities, and future needs.
- 3) To promote the activities of persons currently or formerly assigned to AFRL/RX.
- 4) To support the current AFRL/RX organization by undertaking special projects and activities.

I reminded him of the **activities that AFMMAA has accomplished** in addressing these goals:

- 1) Completing the RX/AFMMAA Heritage Initiative – leadership, technologies, and people (historical repository at UTC);
- 2) Producing the Newsletter (Director's message), attending and supporting RX personnel award meetings;
- 3) Having FUN via monthly luncheons and the growing biannual meetings; and
- 4) Continuing to provide valuable scholarships; created the Astronaut Cady Coleman exhibit; offering to review the upcoming RX contributions video; providing gentle reminders (and support) related to the 100th Anniversary Celebration (2017) planning.

Colonel Gloystein pledged his membership. He said that the AFMMAA was the best alumni organization that he has seen in his career. During our meeting with him, he covered some of his concerns over the continuing problems with sequestration(s) and the related furlough(s). We volunteered to contribute, where appropriate, to enhancing the morale of AFRL/RX employees.

We are continuing to have very successful **AFMMAA member monthly luncheons**. They been attended by up to 15 people and, as part of this newsletter, we have included pictures taken at these fun events. I would emphatically encourage each of you, if possible, to attend at some point. We do send out emails reminding you.

On a fun note: we have an opportunity for you to **purchase an RX coin**. Dr. Karla Strong has been arranging to acquire coins at RX. They are reasonably priced at six dollars apiece and AFMMAA will be purchasing multiple coins for resale to you at a later date. Neal Ontko has been instrumental in looking at the cost of shipping and other approaches that we might use to get the coins to you. The earliest we can probably get coins to you will be at the winter meeting that will take place on the morning of the RX awards ceremony in mid-January. Stay tuned.

Neal has also been instrumental in arranging for the **printing and framing of the group photograph** that was taken at our summer meeting at the Engineers Club of Dayton. Currently the plans in AFRL/RX are to hang the photograph in the Heritage Hallway in RX (between 653 and 652) and we plan on including a guide to who are all the people are in the picture. We're not exactly sure when it will be put in place, but we will notify you in the next newsletter.

I also want to briefly remind you of the **new structure of the Materials and Manufacturing Directorate**. There are now three operational divisions. The Functional Materials Division works on nano electronic materials, photonics materials, and soft matter materials. The Structural Materials Division has the areas of materials state awareness and supportability (the former NDE branch), composite materials, and metals. The Manufacturing and Industrial Technologies Division is focused on electronics and sensors and on propulsion, structures and manufacturing enterprise. The Systems Support Division includes materials integrity, acquisition systems support, and logistics system support. The former Airbase Technologies Division is now been moved out of AFRL/RX and is now part of the civil engineering activities in the Air Force.

These are changing times for AFRL/RX and the AFMMAA will continue to provide support to employees as possible and to meet the goals that I mentioned earlier. **Please feel free to call me (937-287-1871)** with any suggestions you might have. **And don't forget that we need a volunteer to take over the Newsletter.**

By Tobey Cordell, AFMMAA President

(RX Update continued)

I expect a period of reduced or flat budgets for RX’s technical program over the next few years. I believe this is the “new normal” budget environment, and is to be expected as we wind down the wars in Iraq and Afghanistan. After every major engagement since World War II, Defense budgets have dropped. RX will remain focused on long-term, game-changing materials and manufacturing research and development. We will just have to focus more intently on those areas with the biggest payoff to the warfighter.

Additive Manufacturing is a rapidly-developing technology that is capturing the imagination of several senior leaders in DOD. This is the ability to create objects by building them up, layer by layer. They can be polymeric, ceramic, or metallic, or a combination thereof. RX has started an Integrated Project Team on Additive Manufacturing, and we are looking at ways to use it for limited runs of new parts, replacement parts, structures, electronics, and many other Air Force applications. As the materials and manufacturing “center of the universe” for the AF, RX needs to be leading the charge to determine the good, bad, and ugly for additive applications in the near-, mid- and far-term.

I continue to be amazed at the quality of the people in RX, whether their efforts are recognized or not. In my opinion, it is the reason why our alumni group is so strong, the reason we weathered the furlough and budget issues so resiliently, and the reason we are so effective in helping the warfighter. I have a new signature line I have been using in all my emails, “From stealth, to supersonics, to supercruise, to hypersonics, new USAF capabilities are unimaginable without materials’ advancement.” The key word is “unimaginable.” We have made (and make) these game changing realities possible through the work we do here in RX.

By Col John Gloystein, Acting Director

STAND-DOWN OF THE AIRBASE TECHNOLOGIES DIVISION (RXQ) AT TYNDALL AFB, FL

On 3 September 2013, Col Gloystein, RX’s Acting Director, marked the end of an era in RX. He traveled to Tyndall AFB to participate in the formal deactivation ceremony for RXQ. The Airbase Technologies Division became part of AFRL/RX in October 1997 and they had some amazing accomplishments in the past 16 years. RXQ developed new technologies for fighting fires and performing rescues specific to military aircraft, including

those involving jet fuel and composite materials. They also developed technologies that provided protection from blasts, including IEDs, and chem/bio contamination, and helped with relief efforts in Haiti during Operation Unified Response in 2010. RXQ was a superb contributor to improving safety for the warfighter and civil aviation.

Many of RXQ’s functions will be transferred to the Air Force Civil Engineering Center, but some will not. Ultimately, the AF will follow industry’s lead in some areas, where we previously led technical developments. The budget decision was a painful one, but it in no way reflected negatively on the great work by the folks in RXQ. All the RXQ military and the civilian personnel found great new assignments or were able to retire.

SELECTION OF A NEW DIRECTOR OF THE MATERIALS AND MANUFACTURING DIRECTORATE

The process for the selection of a new RX Director has been moving forward, and a new Director has been selected by the committee. However, any new Director has to be approved by the permanent Secretary of the Air Force, and that person has to have been in that position for at least 90 days. Currently, there is an Acting Secretary, so RX will have to wait for a new Secretary to be confirmed and then an additional 90 days before the Director can be officially appointed. The President has nominated Deborah Lee James to be the new Secretary of the Air Force, but her confirmation has been placed on hold in the Senate. Until a new Director is appointed, Col Gloystein will be the Acting Director. RX is not expecting to have a new Director until around February 2014.

CURRENT RX WORKFORCE

The current size of the RX government workforce includes the following as of 29 October 2013:

| | | |
|-----------------------|-------|-----|
| a) Civilian Employees | | 360 |
| WPAFB | 346 | |
| Hill | 6 | |
| Tinker | 6 | |
| Robins | 2 | |
| b) Military | | 43 |
| WPAFB | 29 | |
| Robins | 9 | |
| Hill | 4 | |
| Tinker | 1 | |
| | Total | 403 |

Over the last year, we lost 39 civilians and 15 military at Tyndall due to the RXQ shut down.

FALL 2013 SCHOLARSHIP PROGRAM UPDATE

We are pleased to announce that the AFMMAA has awarded three 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 two awards were made in the Chief Scientist's category for science, math or engineering. One award was made in the Alumni Association category for a non-technical business major.

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

1st 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 and Computer Science. At WPI, in addition to his excellent academics, he continued his volunteer work, volunteering as a mentor in the Massachusetts Academy's FIRST Robotics Team. His father is Chris Woodard in RXCM.



Nicholas Woodward



Krysta Moser

2nd Chief Scientist's Scholarship – Krysta Moser

Krysta attended Springboro HS, where she was in the top echelon of her class. In HS, she was a member of the National Honor Society. Music has been a big part of her life. She played violin in the HS Orchestra, two community youth orchestras and the Cache Symphony Orchestra. She also found time to be president of a local girls youth group and to perform

many community volunteer activities. She is attending Utah State University, majoring in Physics. She would ultimately like go into a research field in physics after college. Her father is Kirt Moser in RXS.

1st Alumni Scholarship

– **John Tollefson.** John attended Centerville HS, ranking in the top echelon of his graduating class. His list of awards, extra-curricular activities, and community service was exceptional. He earned an honors diploma, was in the National honor society, and received the President's Award for Educational Excellence. He participated in Toys for Tots, Youth Group Missions to rural areas, and various "buddy programs" at CHS. He is attending the Ohio State University, majoring in business administration. He wants to work in a specialized field of business after graduation. His mother is Gina Tollefson in RXSSO (CTIO).



John Tollefson

The AFMMAA will recognize these awardees and their families at an RX Director's Call in the fall of 2013.

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

The 2014 Scholarship cycle will kick off in mid-February 2014 with the Call for Applications being released by the RX Director through the RX Intranet.

By Charles E. Browning, Scholarship Chairman

WINTER AFMMAA MEETING

The next AFMMAA members meeting will be held on January 24th, 2014, the same day as the AFRL/RX Awards Luncheon at the Hope Hotel and Conference Center. The AFMMAA Meeting, as usual, will be in the morning from 9 to 11, adjourning in time for you to also attend the Awards Luncheon. As always, we will have a fun meet and greet, followed by a short business meeting, then more time to chat with your friends in AFMMAA.

MAKE PLANS NOW TO JOIN US ON JANUARY 24th AT THE HOPE HOTEL.

REMEMBER: You have to register and pay for the Materials and Manufacturing Award Luncheon on their website, which generally becomes active in December.

**AFMMAA SCHOLARSHIP FUNDING
MAY 1, 2013**

The AFMMAA is very fortunate to have a solid membership and contributor base to support our Scholarship Program. The AFMMAA receives scholarship funding from AFMMAA member dues, Life memberships, RX contributors to the Combined Federal Campaign (CFC No. 85464), and friends of the AFMMAA. Since 2001, the AFMMAA has received funds and contributions of approximately \$36,000 from members and friends which enabled us to award 26 scholarships totaling \$26,000. Four \$1000 scholarships were awarded in 2012 to Stephan Bolan, Seth Cazzell, Shayta Roy, and Nicholas Woodward. Your dues and scholarship contributions are essential to support and grow our annual scholarships in the areas of science and engineering for the children and grandchildren of AFRL/RX employees. At our annual winter 2012 member's meeting we approved making AFRL/RX employee grandchildren as being scholarship eligible.

**TEN "LOST" ALUMNI FOUND,
MANY STILL MISSING**

Thanks to the help of several members we were able to locate the addresses or emails of 10 alumni. We still need your help for 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 Neal Ontko at nontko@utcd Dayton.com or Dick Engman at dkengman@msn.com.

- | | |
|---------------------|----------------------|
| Corey Boltz | Robert R. Lewis |
| Julius R. Brodeck | John L. Lindsey |
| Reynaldo Carranza | Virginia A. McMillan |
| Thuy D. Dang | Millard G. Mier |
| Leland Demeritt | Robert J. Ondercin |
| Emily G. Ellithorp | Joseph J. Orłowski |
| Gerhard Ehlers | Bonnie J. Payne |
| Nils C. Fernelius | Renee D. Randolph |
| Frank F. Findlay | Jessica Salyers |
| Michael Halliwell | John R. Sizelove |
| Barbara J. Johnson | Rose Marie Snow |
| Philip Julian | Terry L. Stewart |
| Dr. William Lampert | Lynn M. Williams |

AFMMAA WEBSITE

Please try and use our website. If you have internet access, go to www.afmmaa.org to view the public portion of the website. The site has public and member only areas. 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.

If you are not logged on as a member you can also sign up 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. 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.

George Slenski, AFMMAA Secretary and Webmaster

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 11.



A



B



C



D

YOUR AFMMAA OFFICERS AND COMMITTEE CHAIRS



Tobey Cordell
President



Matt Di Biase
Exec. Vice President



Dennis Naughton
Treasurer



George Slenski
Secretary



Neal Ontko
Membership



Tom Cooper
Newsletter Editor



Charles Browning
Scholarship

**AFMMAA
MERIT SCHOLARSHIP PROGRAM**

The AFMMAA merit scholarship program assists high achievement, educationally oriented children and grandchildren of the current AFRL/RX civilian and military workforce.

Two types of merit scholarship are now 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 October 1, 2013, twenty-nine scholarship totaling \$30,500 have been awarded.

Scholarship Winners:

- 2013 Nicholas Woodward, Chief Scientist, \$1,500; Krysta Moser, Chief Scientist, \$1500; John Tollefson, Alumni Association, \$1500
- 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

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.

William E. "Bill" Dirkes, Sr. 22 June 2013

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



**2012 USAF WINNER OF THE
A1 COMMUNITY AWARD FOR
AFFIRMATIVE EMPLOYMENT (AEP) AND
SPECIAL EMPHASIS PROGRAM (SEP)**

This Program recognizes military and civilian personnel for outstanding support and contributions to the objectives of the Air Force Affirmative Employment and Special Emphasis Programs and provides visibility for the Air Force commitment to Equal Opportunity (EO). The awards recognize individuals who have demonstrated leadership in and made significant contributions to furthering EO and EP/SEP objectives. A1 applauds their accomplishments and we appreciate their hard work and contributions toward attaining Air Force's Equal Opportunity goals.

Commander/Director Action Category:
Dr. Katherine A. Stevens, Director, Materials and Manufacturing Directorate, Air Force Research Laboratory, Air Force Material Command, Wright-Patterson AFB OH. Dr. Stevens expertly led recruitment, training and education of a culturally and technically diverse Air Force Research Laboratory, Materials and Manufacturing workforce while leading the Materials and Manufacturing Directorate. As a result, numerous graduates have secured positions both within the Air Force Research Laboratory and in Industry.

Congratulations Kathy!

**BRONZE STAR FOR MERITORIOUS
SERVICE IN SUPPORT OF
OPERATIONAL ENDURING FREEDOM**

Special Agent Capt Todd J. Turner, who is also a civilian scientist working in the Air Force Research Laboratory's Materials and Manufacturing Directorate, received the Bronze Star Medal during a ceremony at the Directorate on September 18th. Capt Turner received the Bronze Star, the fourth-highest individual military award, for meritorious service while conducting operations as part of his reserve duty in Afghanistan in support of Operation Enduring Freedom.

According to the award citation, Capt Turner distinguished himself through meritorious achievement as an operations officer with the Air Force Office of Special Investigations, second field investigations region, 24th Expeditionary Field Investigations Squadron at Bagram Airfield in Afghanistan. Col Curtis Riedel, the commander of the Air Force Office of Special Investigations First Field

Investigations Region at Wright-Patterson AFB, presented the medal to Capt Turner.

Capt Turner and his team were engaged in ground operations against an opposing armed force from September 2012 until April 2013. During this period, he fused tactical intelligence collection disciplines with counterpart direct action capabilities into a dominating, synergistic force to find, fix, track and neutralize enemy forces. Capt Turner directed five agent collection teams on 126 combat missions in hostile environments.

He personally led teams on 47 missions, including sensitive site exploitation, and a detainment operation against a Taliban cell leader. Capt Turner also led informant operations that resulted in the capture of weapons caches, including explosive rockets and devices. Further, he conducted 517 informant meets, generating intelligence information reports valuable in the identification of 521 targets, and ultimately the capture of 16 insurgents. Removal of these lethal threats enhanced the security of over 37,000 base personnel and enabled coalition forces to maneuver uninterrupted.

"The exemplary leadership, personal endeavor and devotion to duty displayed by Agent Turner in this responsible position reflects great credit upon himself and the United States Air Force," the citation concluded.

In his capacity at RX, Dr. Turner also received accolades for his work with the High Energy Diffraction Microscopy Team. In early 2013, the team received the Robert T. Schwartz Engineering Achievement Award for developing the world's first tool that simultaneously gathers data from multiple detectors during sample deformation.

Chartered to study grain interaction of materials at the microscopic level during deformation, the team, which included Dr. Jay Schuren and Dr. Paul Shade, identified the limitations of current characterization methods and provided a solution to combine multiple disciplines for first, real-time view of damage evolution.

TED BARTLING AFRL/RXSS (AT HILL AFB) DONATES KIDNEY

In September, RX's Ted Bartling donated a kidney to a stranger, saving three people's lives. An article was written about him on Yahoo's Shine website, which is paraphrased below:

Bartling's incredible sacrifice set in motion a chain of events that linked six people and allowed three, including a 2-year-old boy, to receive successful kidney transplants. All three recipients and their donors are thriving.

"For at least 15 years, donating a kidney had been on my mind as something I could do to help somebody live a normal life like mine," Bartling told Yahoo Shine. "They'll only take a kidney up until you're about 60. I can do small things for people, but sometimes we have to do the bigger things if we are capable."

Apparently, he picked the perfect moment. There were three patients in need, but no matches. Juan Romero, 45, who has a rare B- blood type, had been on a waiting list for three years and was on dialysis. Brandy Jess, 40, also on dialysis, had a donor — her friend Kristy Buffington — but at the 11th hour, a final test revealed they were incompatible. And then there was 2-year-old Beckham Fershtut, whose parents Ari and Hayley wanted to give him a kidney but weren't good matches.

Beckham was only weeks away from starting dialysis. For a 2-year-old, it's incredibly difficult and would probably shorten his lifespan. The boy's father made it clear that he was willing to donate a kidney to a stranger if someone else had an organ for his son. When Ted came forward with his donation, suddenly the pieces fell into place. Bartling was a match for Brandy, her friend Kristy was able to donate her kidney to little Beckham, and his father Ari was a match for Romero.

Because of Bartling's courage and generosity, Beckham waited only a month for a kidney. "If it had been years," said his doctor, "he might not have survived."

For the complete article go to: <http://shine.yahoo.com/healthy-living/man-8217-kidney-donation-8216-missing-8217-three-185700451.html>



**A Salute to all AFMMAA Military Veterans
that have served this great country of
the United States of America.**



**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 2013 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 2013 (1 Jan - 31 Dec '13) 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 2013 LUNCHEON AT THE DAYTON ENGINEER'S CLUB

As the group gathered for the June 2013 AFMMAA semi-annual meeting we realized an overwhelming number of attendees were in attendance. Our standard protocol is to take a photo for the newsletter and write an article about the event. Mr Tobey Cordell herded the members to the staircase at the Dayton Engineers Club and took the photo. The AFMMAA had the photo printed and professionally framed and will be presenting the picture to AFRL/RX in the spirit of fostering closer collaboration and growth opportunities for the organization. The AFMMAA has grown the scholarship program and numbers of lifetime and annual memberships. We would like to encourage



current AFRL/RX employees to consider application for membership while active in their careers at the Materials and Manufacturing Directorate. Access to the website and the newsletter is a great way to keep up with the lab and transition of colleagues.

AFMMAA June 2013 Lunch Meeting held at Dayton Engineer's Club.

AFMMAA LUNCHEON PHOTOS

AFMMAA Lunch Meeting held at Beef O'Brady, Beaver Creek Valley Mall on Thursday 19 September 2013. The people in the picture are (left to right): Bob Rapson, Tom Cooper, Don Shrader, Don Tarazono, George Schmitt, John Speers, Dick Engman, Tobey Cordell, and Jack Henderson.



AFMMAA Lunch Meeting held at Friendly's Restaurant in Beaver Creek on Thursday, 17 October 2013. The people in the picture are (left to right): Don Shrader, Roland Watts, Tom Cooper, Bob Cochoy, Ken Kojola, Jim Mattice, John Williamson, Gary Waggoner, Matt DiBiase, and Tobey Cordell.



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 **\$16,536** for college scholarship to the children of civilian and military employees. Additionally, many RX individuals have contributed **\$12,540** 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 W. Adams | Paul Propp |
| Alan Lovelace | John Williamson |
| Mrs. Julia Millham | |

Gold Donors (\$500 to \$999)

| | |
|-----------------------|---------------|
| Robert L. Denison | Gary Waggoner |
| Dr. Thomas D. Fiorino | |

Silver Donors (\$200 to \$499)

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

Bronze Donors (\$100 to \$199)

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

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 9) and continue to enjoy our Spring and Fall Newsletters.

NOTES FROM THE MEMBERSHIP CHAIRMAN

AFRL/RX Coins

The AFMMAA will be purchasing 20 of the new AFRL coins and making them available to AFMMAA members. Coins should be available at the January 2014 meeting held in conjunction with the RX Awards and Recognition Banquet. For members in the 65x complex coins may be purchased from Karla Strong.



The New AFRL/RX Coin

Retiree ID's

Retired civilians must update IDs by January. The Air Force is urging civilian retirees to get a secure Defense Department Civilian Retiree Card - if they haven't already. From the Air Force Times: "Retired Air Force civilians and their dependents must ensure they have up-to-date identification cards by January if they want to continue to use base morale, welfare and recreation facilities. In early 2014, installations will no longer accept AF354 - Air Force Form 354, Civilian Identification Card - for access. Instead, retired civilians must have a Department of Defense Civilian Retiree ID Card or other access credentials, Air Force Personnel Center officials said."

1. More information is available at <http://www.airforcetimes.com/article/20131017/BENEFITS07/310170013>
2. The following website should get you to the page where you can make an appointment: <https://rapids-appointments.dmdc.osd.mil/default.aspx>

By Neal Ontko, Membership Chairman

PHOTO IDENTIFICATION

Answers for Page 5

A) Bernard Rubin; B) Leo F. Salzberg; C) Herbert S. Schwartz; and D) Robert M. Van Vliet.

COMMAND CIVILIAN AWARD FOR VALOR PRESENTED TO TWO RXERS

On 24 July, RX hosted a ceremony to present the Command Civilian Award for Valor to Dr. Greg Schoeppner and Dr. Kevin Kendig, both in RXCC. Gen McCasland, then Commander of the Air Force Research Laboratory, was genuinely touched and honored to be able to present this award to them for their quick and clear-headed reaction to a colleague who was experiencing a heart attack. As the award citation said, "Their willingness to take initiative to provide leadership and medical assistance in a life-threatening emergency is most commendable and reflects credit upon themselves and the United States Air Force."

Several years ago, RX's former Director, Dr. Kathy Stevens, decided to fund the purchase of some Automatic External Defibrillators (AEDs) as well as set aside time to train RX's workforce, both government and contractors, to use them. Several dozen people were trained to use the AEDs over the years. Then, early this summer, a UDRI employee suddenly became very dizzy and began to collapse onto the ground. Two other UDRI employees, Mark Ruddell and Jenny Pierce, eased him to the floor and made the emergency call to 911. The victim had stopped breathing and had no pulse, so Greg and Kevin began CPR and retrieved and used the AED located just down the hall. After a few minutes, he was revived, and a few minutes later, the paramedics arrived and took him to the hospital. The thoughtful actions of Greg, Kevin, Mark and Jenny saved his life.

HONORS RECEIVED BY RX PERSONNEL

Several RX personnel recently received recognition by being named Fellows of various Societies. They were:

- Tim Bunning, RXA, was named as a Fellow of the Optical Society of America.
- Al Katz, RXCC, was named as a Fellow of the American Ceramic Society.
- Barry Farmer, RX, was named as a Fellow of the American Chemical Society.

FELLOW GRADE AWARD

George Schmitt reported that Mary Kinsella, RXMS from Society of Women Engineers is a Fellow Grade Award.

Congratulations!

2013 AFRL EARLY CAREER AWARDS

AFRL is please to announce the winners of the AFRL Early Career Award for 2013. The Early Career Award recognizes outstanding scientific and or engineering work in fundamental or applied science and technology a young scientist or engineer. Nominees for this award must have contributed an accumulation of outstanding theoretical and/or experimental work during their first seven years as an AFRL researcher. The nominees this year all had very impressive resumes, but only two Early Career Awards can be conferred. The winners were:

- Dr. Mike Groeber (RX)
- Dr. Tim Ombrello (RQ)

Dr. Groeber and Dr. Ombrello will also receive a research grant of \$150,000 per year for the next two years to continue their impressive work.

Also George Schmitt reported that a winner for the Early Career Achievement Award was Tim White, RXAP from the Optical Engineering (SPIE).

Congratulations to all!

COMBINED FEDERAL CAMPAIGN INFO

George Schmitt reported that the CFC Campaign has been extended by a month due to the government shutdown.

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.

AFMMAA CHARTER AND LIFE MEMBERS

We currently have **65 Life Members** and hopefully that number will continue to grow each year. If you are not a “Lifer” we encourage you to join now. **Tobey Cordell, Stan Schulman, and Ron Decker** recently became “Lifers”. If you are currently a Life Member we encourage you contact fellow alums who aren’t “Lifers” and encourage them to “upgrade.” 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 (or afmmaa.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 - 15 November 2013 | | |
|--|-------------------------|----------------------|
| 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 | James A. Hall | Vince Russo |
| Tia Benson-Tolle | John Henderson | Timothy J. Sakulich |
| Phil Bouchard* | Rob Hull | Paul Sampson |
| Charles E. Browning | Henry Johnson | Robert Schafrik |
| Lawrence Butkus | Warren Johnson | Stan Schulman |
| John Christian | David Judson | George Schmitt |
| Dennis Corbly | Bob Kincses | Don Shrader |
| Tobey Cordell | John Koenig | Jerry Sieron* |
| Ron Decker | Edward Kuhl | George Slenski |
| Mathew DiBiase | William V. Lampert | James Snide |
| Ken Elbaum | Cole Litton* | John Speers |
| Dick Engman | Kay March | George St. Pierre |
| Kathleen Falensky | Michael McCabe | Katherine A. Stevens |
| Frank Feчек | Bobby McConnell | Donald Tarazano |
| Larry Fehrenbacher | James L. Mullineaux | Scott Theibert |
| Thomas Fiorino | Dennis Naughton | Jon Tirpak |
| David W. Fischer | Neal R. Ontko | Gary Waggoner |
| Donald M. Forney | Larry Parsons | Roland Watts |
| Harold Gegel | Cyril (Sonny) M. Pierce | Dennis Wisnosky |
| Henry C. Graham | Bob Rapson | Bill Woody |
| Alten (Skip) Grandt | John Rhodehamel | Carol Yarnall |
| Lois J. Gschwender | Terry M. Ronald | *Recently Deceased |

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.

Stanley Schulman, Married 54 years, plans to fully retire in July 2014 at 79 years young. I have a grandson in the US Navy and another one attending Ohio State. My granddaughter graduated from Case Western Reserve. I have traveled extensively to Europe, Asia and the Caribbean area.

John Tanzola, johntanzola@sbcglobal.net, moved to Georgia to be near our granddaughter.

We would like to hear from you! 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.

MEMBERSHIP STATUS

I recently became the Membership Chairman of AFMMAA. Our current membership consists of approximately 152 alumni. This includes 12 Charter members, 65 Life members and 77 members who pay yearly dues. Another 100 alumni currently receive the biannual Newsletters, but have not joined or recently paid dues. As of Sept 15, 2013, 63% of our 77 members have paid their 2013 yearly dues. If you have not paid your 2013 dues, want to become a member, or pay your 2014 dues, please use the Membership Application and Scholarship Donor Form in the Newsletter. Also, please give some serious thought to becoming a Life member. Your membership dues and scholarship contributions are tax deductible and very essential for a successful program. Please contact me, Neal Ontko, at nrontko@yahoo.com if you have any recommendations on how we can better reach out to our alumni base.

By Neal Ontko, Membership Chairman

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

RX UPCOMING EVENTS

Karla L. Strong, Assistant to the Director of the Materials and Manufacturing Directorate, AFRL/RX, reported on the upcoming events:

1. Viewing of RX video is tentatively scheduled for Tuesday, 10 December at 0900-1000. Col Gloystein has offered to provide coffee and donuts for the viewing (which will actually only take about 5 minutes). We need to determine where to have the viewing, either here in RX or another off-base location. I don't know how many of the alums can get on base.
2. Director's call is tentatively scheduled for Thursday, 12 Dec at 1000-1100. This would be the best time to announce the winners of the scholarships from the AFMMAA (FYI, CFC was extended to spring sometime, so you could put in a plug for donating to the AFMMAA if you want). I will be glad to coordinate on some slides to present on the winners. I will need them about a week in advance.

3. RX awards luncheon is scheduled for 24 Jan 14 from 1130-1430 or so, at the Hope Hotel. We have decided not to have a ceremony on the previous Thursday. Gen Masiello is scheduled to be the speaker. If you would like to provide anything else for the lunch instead, please let me know and I will put you in contact with the organizing committee.

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 2013 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.