



AIR FORCE MATERIALS AND MANUFACTURING ALUMNI ASSOCIATION (AFMMAA) NEWSLETTER

THIRTEENTH EDITION

FALL 2010

PRESIDENT'S CORNER

Greetings members and friends of the Alumni Association. I want to provide you an update on the status of the Materials and Manufacturing Directorate history initiative. In the last newsletter, I described the background and the important purpose of the initiative: for the Alumni Association to partner with the Directorate to identify and document/display the most noteworthy contributions of RX (ML) to the AF over the past few decades. The goal would be to not only preserve the real story behind these important advances – which are quickly being lost – but to also make these contributions visible to all visitors to RX.

At the June Alumni meeting at the Engineers Club in Dayton, we provided an initial list of major areas of contributions and asked attendees to augment the list. The initial areas identified were:

- Carbon-Carbon Composites
- Composite Aerospace Materials
- Laser Eye Protection
- Multi-junction Solar Cell Technology
- Nondestructive Inspection and Evaluation
- Rare Earth Permanent Magnets
- Retirement for Cause
- Quick Response Failure Analysis
- LEAN Application to Aerospace and Sustainment
- Erosion Resistant Coatings
- Focal Plane Array Technology
- Infrared Detector Materials
- Metallic Materials
- Nonlinear Optical Materials
- Laser and Infrared Transparency Materials
- Spacecraft Charge Control

Attendees at the June meeting proposed adding the following areas:

- Integrated Computer Aided Manufacturing (ICAM)
- Net Shape Titanium

- One-piece Canopy
- Cast Aluminum Structures
- Organizational Development Initiatives
- REPTECH, IMIP
- Title III Program Initiatives (i.e. DRA, GaAs, etc)
- Affordability Initiatives (MAI/CAI)
- Advanced Machining Initiatives
- Aluminum Lithium for Space
- Windshield Materials and Coatings
- Aircraft/Spacecraft Coatings
- Nonflammable Hydraulic Fluids
- Fracture Mechanics application to design criteria
- LO NDE
- Thermal Management Materials
- Management Initiatives like:
 - The Focal Point and WUD Systems
 - TQM

To get this initiative rolling, Dr. Stevens has initiated a contract effort with UTC to support any efforts associated with collecting, documenting and displaying significant contributions. Warren Johnson is the lead for this effort and sent out an e-mail in September asking for inputs on major contributions as well as associated hardware, specimens, photographs and related information.

I would like to ask all alumni to do the following; please:

1. Help us make sure that the full list of key contributions doesn't miss areas that hold special significance for the AF. Please give us your input on key areas that are missing from the above initial list.
2. Let us know your willingness to help document a contribution and which one(s) you are willing to work on.
3. Let us know if you have any artifacts (hardware, specimens, photographs and related information) that you would be willing to offer (on loan if you wish) for display in the B65X complex.

(Continued on Page 2)

(President's Corner Continued)

We all know that “first of a kind” samples help bring to life the contribution stories and will help all visitors to the complex better appreciate these significant milestones.

I expect that Dr. Stevens will ensure that individuals who contribute to the documentation and display of historical items of significance will be acknowledged in both the write-ups and displays.

We will consolidate the information you provide us with the initial contribution ideas and working with Warren, review the information with Dr. Stevens for her determination of where to focus the initial round of contribution documentation efforts.

We will report a status of this initiative at our semi-annual meeting prior to the RX Awards Luncheon – now scheduled for Friday January 14, 2011 at the Hope Hotel. Please put this date on your calendars.

Over the last year, I have had several alumni indicate their willingness to help with this history initiative, and just so I don't miss anyone, I'm asking all alumni to respond to items 1-3 above as soon as possible so we can have the review with Dr. Stevens prior to the awards luncheon. Your response can be sent to Warren via e-mail (wjohnson@utcd Dayton.com) or by regular mail at the following address:

Warren P. Johnson
Universal Technology Corporation
1270 North Fairfield Road
Dayton, Ohio 45432-2600
Phone (937) 426-8530
Fax (937) 426-7753

This is an important initiative for RX as well as the Alumni Association. If we get started right away, this initiative will contribute to our celebration of the 2017 100th year anniversary of the Materials & Manufacturing Directorate and predecessor organizations. We're looking forward to receiving your responses and also seeing you again at the January meeting. Best Regards to you all!

Gary Waggoner,
AFMMAA President



CFC Kickoff Booth - 6 October 2010

**COMBINED FEDERAL CAMPAIGN
FOR 2011**

The Air Force Materials and Manufacturing Alumni Association (AFMMAA) is proud once more to be a participant in the Miami Valley Combined Federal Campaign (CFC). The CFC kicked off on Wednesday 6 October 2010 from 11AM-1PM at the Nutter Center. The AFMMAA consists of former or current civilian and military members of AFRL/RX and other “friends” of AFMMAA and RX. One of the purposes is to provide Merit Scholarships to children of current AFRL/RX military and civilian government employees. Since 2002, we have granted two \$500 and eighteen \$1000 merit scholarships. The contributions made through the CFC have enabled us to provide an additional scholarship each of the past two years. Our booth at the Nutter Center this year was manned by our Executive Vice President John Williamson and our Membership Chairman Tobey Cordell, as shown in the above photograph.



LOSS OF ANOTHER GREAT LEADER

We are very sad to report the loss of another of our great leaders. B/General (Ret) Philippe Bouchard passed away on Wednesday 9 June 2010 after a struggle with pancreatic cancer. Phil was a great leader for the Air Force and the technical community as a whole. He was a graduate of the U.S. Military Academy, West Point in 1955 and retired after 31 years active duty in the Air Force. While he was a Colonel, he served as Director of the Materials and Manufacturing Directorate from 1978 until 1979. Following his retirement, he became President and CEO of Universal Technology Corporation in Beavercreek, OH, where he lived, retiring from that position in 1997. His many contributions were outstanding, as he served as President of the Engineers Club in Dayton and was a Trustee of the Air Force Institute of Technology. As was reported in the Spring 2010 AFMMAA Newsletter in the article about the Air Force Materials and Manufacturing Alumni Association History, he also served a two year period as the first President of the AFMMAA. Phil is survived by his wife Carole and their three sons (Michael, David, and Donald) and one daughter, Suzanne. He will be greatly missed.



**B/Gen (Ret)
Philippe Bouchard**

until 10:30 AM. Approximately twenty people were in attendance at the meeting. The sentiment was strong that an alumni organization could do many “good deeds” in support of the Materials and Manufacturing Directorate. During the meeting, an organizing committee was established to seek volunteers to be the first officers of the organization, finalize the by-laws, and establish membership criteria and categories, along with a dues structure. The organizing committee subsequently identified the five individuals who graciously volunteered to serve for the first two years. They were: Mr. Phil Bouchard – President; Mr. Tom Cooper – Executive Vice President; Mr. John Williamson – Vice President for Membership; Mr. Jerry Kelble – Treasurer; and Mr. Bob Rice – Secretary. There were a host of other tasks that were also identified by the steering committee, which included planning a Newsletter, designing and selling logo items, developing a scholarship program, and planning some activities in conjunction with the current workforce. A number of other critical activities were subsequently identified and carried out, including preparing a Charter, filing to become a 501(c)(3) tax-free organization, arranging to get a bulk mailing permit, preparing a list of addresses of former and current AF personnel to contact to invite to become members, and a number of other important activities that eventually led to the future success of the AFMMAA.

Today the AFMMAA has a mailing list of approximately 300 alumni. In addition to its 12 Charter Members, 49 alumni have become Life Members and approximately 80 members pay yearly dues. One of its most significant accomplishment is that the AFMMAA has granted 20 academic college scholarships totaling \$19,000 to deserving children of the AFRL/RX civilian government and military workforce.

AFMMAA HISTORY

In 2000, Tom Cooper, Bob Rice, other AFRL/ML retirees, and ML personnel began planning actions that eventually led to the creation of the Air Force Materials and Manufacturing Alumni Association (AFMMAA). On 18 December 2000 the AFRL/ML Executive Group approved the formation of the AFMMAA. The new “Association” soon drafted its Charter, refined its goals and objectives, and developed a member mailing/contact list. Initial funding to support expenses and scholarship plans for the new organization came from the Charter Memberships of 12 individuals who were deeply involved in its planning and the contributions from AFRL/ML personnel. No government funds were involved.

The 1st official business of the AFMMAA began with an organizational meeting that was held on Friday, 22 June 2001, which was the day of the Materials and Manufacturing Directorate Annual Awards Luncheon in 2001. The organizational meeting was held at Universal Technology Corporation in Beavercreek from 9:00

NEW AFRL TECHNICAL DIRECTORATES OSCs

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

Change effective as of October 1, 2007.

FALL 2010 SCHOLARSHIP PROGRAM UPDATE

The AFMMAA Alumni Association has awarded three scholarship awards this year. In accordance with our scholarship rules, all our applicants had a parent who was a government employee of RX.

The scholarship awards are funded through donations received during the annual CFC drive and through individual member donations. Normally, the association awards two \$1,000 scholarships per year. However, due to the generosity of those supporting the Association through last year's CFC and other special donations, the Association was again able to award three \$1000 scholarships this year to the three individuals listed below. This was the third year in a row that the Association was able to award three scholarships.

1st Chief Scientist's Scholarship – Anastasia Voevodin. Anastasia was a Centerville HS senior. Her GPA is 4.20/4.00, and she ranked 39 in her class of 628. Her list of accomplishments, community service, and work experience is substantial. These activities include the Captain of the Varsity Tennis team and many awards associated with tennis, employment as a hostess in a local restaurant, and a National Honor Society Officer. She is now attending Boston University pursuing a degree in Biomedical Engineering. She further plans on attending graduate school to become a researcher bridging the engineering and medical fields. Her father is Andre Voevodin in RXBT.

Alumni Association Scholarship – Erika Johnson. Erika was a Rutherford HS senior in Panama City, Florida. She has a 4.55/4.00 cumulative average, and ranked 8 in her class of 295. Erika was the Captain of the Soccer Team, assisted at a local summer camp, performed in theater, and served as a math tutor. She is attending the University of South Florida in Tampa, FL. She plans to pursue a degree in biology or neurobiology with an interest in cognitive evolution. Her father is Glenn Johnson in RXQL.

Alumni Association Scholarship – David Baumgartner. David was a Chaminade Julianne HS senior. His GPA at is 4.00/4.00, Although CJ High School does not provide student rank in class, they do provide grades on a 100-point scale for each class. It is interesting to note that nearly all of David's grades fall between 96 and 99. David has an extensive list of volunteer service awards, and extracurricular activities including camp counselor, farmhand at Aullwood Audubon Farm, Boy

Scouts, Order of the Arrow (scouting's honor society), and National Leadership Seminar. He intends to complete a B.S. in Civil Engineering at Rose-Hulman Institute of Technology, followed by attendance at graduate school. His mother is Marilyn Unroe in RXBC.

The AFMMAA recognized these awardees and their families during the RX Director's Call in the RX Cafetorium on August 6, 2010. Checks were subsequently mailed directly to each student's university to help cover their expenses during the fall semester. The awardees will also be recognized at the annual RX Awards Luncheon scheduled for January 14, 2011.

The 2011 Scholarship cycle will kick off in mid-February 2011 with the Call for Applications being released by the RX Director through the RX Intranet.

Bob Cochoy, Scholarship Chairman

AFMMAA CHARTER UPDATE

Earlier this year, Vice President John Williamson and Secretary Dick Engman began the task of reviewing and updating the AFMMAA Charter as one of the initiatives of the newly elected Executive Board. The Charter was last updated in February 2002 and with the experience learned over the years it was necessary to give it a "facelift" from ML to RX and then apply some lessons learned. The original Charter was prepared by Tom Cooper and Bob Rice and they had the foresight to establish a strong Charter which required only minor additions, a few revisions and some other changes. For example, yearly membership dues will be on a calendar year, the number of committees were reduced, the duties of officers were updated to reflect current requirements, electronic correspondence will be greater utilized for meetings, luncheons, and member awareness, voting for board members was simplified and finally the board will host two member meetings each year. The first meeting will be each June and the second will be in conjunction with the Annual RX Directorate Award Luncheon which is now scheduled in January. All of these changes were approved by the Executive Board at the April 7, 2010 board meeting and emailed to members on May 1st for their information and comment. The updated Charter was officially approved at the June 23, 2010 meeting at the Engineers Club and will be posted on the www.afmmaa.com web site.

**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 recent comments that we have received since the last Newsletter.

Frank Cherry, St. Paul, IN, I am enjoying retirement.

Lee Gulley, The Villages, FL, leegulley@yahoo.com. Golf, tennis and biking in the Villages. Will be skiing Breckenridge, CO in January and Whitefish, MT in February.

James A. Hall, Gilbert, AZ, jhall26@cox.net. Retired from Honeywell Aerospace. Active consultant in Materials and Manufacturing Technology.

Brian Kosmal, bkosmal@earthlink.net. I am in Savanna, Georgia for the winter. Working on my golf handicap.

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

Donald L. Schmidt, Beavercreek, OH, ohioschmidt@aol.com. My activities are still greatly restricted to care for my wife Johnni (recovering stroke patient). I enjoyed attending a recent AFMMAA monthly luncheon.

Carl Ed Snyder, Jr, Centerville, OH, csnyder1@woh.rr.com. I am working part-time at UDRI.

Ronald J. Vanatsky, Hamilton, OH, vanatsky@earthlink.net. Visited family members in Albuquerque, N.M., and attended International Hot Air Balloon Festival. We are doing a lot of repairs and renovation to a second home at Lake Erie near Huron, OH.

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

NOTICE

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

CURRENT RX WORKFORCE

The current size of the RX workforce includes the following as of 31 Dec 2010:

a) Civilian Employees		420
WPAFB	366	
Tyndall	40	
Hill	7	
Robins	2	
Tinker	5	
b) Military		76
WPAFB	46	
Tyndall	14	
Hill	4	
Robins	9	
Tinker	3	
c) On-site Contractors		745
WPAFB	540	
Tyndall	195	
Hill	1	
Robins	7	
Tinker	2	
d) Year Round COOP Students		13
WPAFB	11	
Tyndall	1	
Tinker	1	
e) STEPS (WPAFB)		31
WPAFB	30	
Tyndall	1	
	Total	1285

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 June 2010 Meeting Attendees. From left to right: Bob Rice, Larry Bidwell, Tobey Cordell, Ed Kuhl, Michael McCabe, Bill Woody, Bob Cochoy, Vince Russo, John Williamson, Kathy Stevens, Gary Waggoner, Don Schrader, Ken Kojola, Don Tarazano, Warren Johnson, Matt DiBiase, Tom Cooper, Charlie Browning, Roland Watts, Jim Mattice, Dick Engman and Al Gunderson. In attendance but not in photo: John Speers.

AFMMAA SCHOLARSHIP DONORS

Since 2001, members of the Air Force Research Laboratory (AFRL) Materials and Manufacturing Directorate and alumni of the Air Force Materials and Manufacturing Alumni Association (AFMMAA) have contributed over \$19,000 for 20 college scholarships to the children of civilian and military employees. Listed below are the names of the 33 individuals and offices that have helped to make these scholarships possible. Donors are shown for Platinum, Gold, Silver and Bronze categories. Another 32 donors have also made contributions under \$100. If you desire to make a contribution, please print and mail the attached membership/donor form.

Platinum Donors (over \$1000)

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

Gold Donors (\$500 to \$999)

- | | |
|------------|-----------------|
| Paul Propp | John Williamson |
|------------|-----------------|

Silver Donors (\$200 to \$499)

- | | |
|-------------------------|---------------------|
| AFRL/MLO | Kenneth Kojola |
| AFRL/ML Executive Group | Meir & Ruth Pachter |
| Robert L. Denison | George St. Pierre |

- | | |
|-------------------------|---------------|
| Dr. and Mrs. Ronald Eby | Gary Waggoner |
| Dr. Thomas D. Fiorino | |

Bronze Donors (\$100 to \$199)

- | | |
|-----------------------------|---------------------|
| AFRL/MLB | Rich Lusignea |
| AFRL/MLLMN | Bobby McConnell |
| Tom Cooper | Charlotte McConnell |
| Maj Gen (ret) Terry L. Dake | Zoe Dell Nutter |
| Barry & Sharon Farmer | Paul Sampson |
| Gordon H. Griffith | Robert T. Schwartz |
| Jacques Hemes | Dr. Edwin L. Thomas |
| Jim Huffman | Hardy Trolander |
| G. Edward Kuhl | Bill Woody |
| Lou Ludtke | |

NEXT MEETING OF THE AFMMAA

The next meeting of the AFMMAA is scheduled for Friday, 14 January 2011 and will be held at the Hope Hotel, WPAFB. It is scheduled to start at 9:00 AM and continue until approximately 10:30 AM. Everyone is cordially invited and encouraged to attend. Please contact our Secretary Dick Engman in advance and let him know if you plan to attend.



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

**MEMBERSHIP APPLICATION AND
SCHOLARSHIP DONOR FORM**

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone -- Home: _____ Work: _____

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

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

Year departed/retired from RX: _____

Recent information about yourself (for the website): _____

In what areas would you like to support AFMMAA?

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

\$ _____ Alumni Association Scholarships (open to students pursuing a degree generally related to the Air Force Science & Technology program, with emphasis on materials sciences, manufacturing technologies or associated management specialities (financial, logistics, administrative, etc). 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 2011 (1 Jan - 31 Dec '11) are \$10.

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

\$ _____ *Total Amount Enclosed

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

Membership Category:

_____ Annual (\$10.00/year)

_____ Lifetime (\$150.00 one time fee)

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

AFRL/RX AWARD NOMINEES

The following RX personnel have been selected as the Finalists for the AFRL/RX Award presentations. They are:

Cleary Award Nominees

- Michael Caton, RXLMN
- Christopher Muratore, RXBTI
- Laura Wissler/Rajesh Naik Team, RXBN

Schwartz Award Nominees

- COLT Team, RXSAE, David Johnson, Steve Gerken, Michael Manders
- Patrick Golden, RXLMN
- John Welter, RXLP

Advanced Mission Support Nominees

- Jeffrey Conroy, PKMN
- Linda Sampson, RXOB
- Vanessa Wright, RXR

Engineering Expertise Award Nominees

- Daniel Adducchio, RXSAE
- Max Alexander, RXBCM
- Jay Jira, RXLM

International Award Nominees

- John Boeckl, RXPSO
- Paul Fleitz, RXPJ
- David Mollenhauer, RXBCP

R. Lee Kennard Award Nominees

- Jennifer Brown, RXMT
- Carl Lombard, RXMP and Walter Zimmer, RXSCC
- Jason Reber, RXME

Mission Support Award Nominees

- Lee Ann Christopher, RXP
- Traci Haerr, RXLM
- Alan Shafer, RXOF

Program Management Award Nominees

- Christopher Brewer, RXPJA
- Jaimie Tiley, RXLMN
- TPS Team – Donna Ballard, RXLM and Kenneth Davidson, RXLN

Vincent J. Russo Award Nominees

- Doug Carter, RXPSA
- Dennis Dimiduk, RXLM
- Doug Dudis, RXBTC

Supervisor Excellence Award Nominees

- Wade Brower, RXOF
- Larry Coulter, RXSSH
- Mark Schmitt, RXPJA

Military Award Nominees

- SMSgt Nova Dubovik, RXSSH
- Capt. James Shields, RXBNW
- Lt. Ashley Sutherland, RXBNW

Directorate Individual Award Nominees

- Walter Johnson, RXPJE
- Stephen Russ, RXLP
- Rajesh Naik, RXBN

Directorate Team Award Nominees

- RXS Nonconforming Titanium Team – Jeffery Calcaterra, John Brausch, Steven Thompson, Lawrence Butkus
- RXLM Metals Affordability Initiative – Mary Kinsella, Rollie Dutton

Directorate Jr. Force Award

- Michael Anderson, RXME
- Lt. Ryan Thompson, RXMT
- Augustine Urbas, RXPJE

The nominees will be recognized in the RX Cafetorium on Thursday, January 13, 2011. The Awards will be presented at the 58th Materials and Manufacturing Directorate Awards Luncheon on Friday 14 January 2011 at the Hope Hotel.

J8DED

The first episode of a TV series called J8DED is now available for viewing. It is the first of a projected thirteen episodes and it can be downloaded from a subscription web site: j8dedtv.com. As indicated in previous Newsletters, one of our alumni, Dr. Terry Ronald appears in the series, playing two characters. Remaining episodes in what the director calls “the first season” will appear over the next few months. Best viewed on a large screen TV to appreciate the high-resolution visuals and the surround-sound music and effects, the director describes it as a dark comedy/drama. The main story line involves the adventures of a pop-singing husband and wife duo called J8DED who are forced to leave a successful career in Britain and are now trying to achieve fame and fortune in the US. Underlying this story is a very strong, very dramatic military theme that will eventually explain the reasons for the seemingly erratic behavior of the main character. In addition to playing the role of manager of the singing duo, Terry also appears as the quirky Lord Cromwell, the narrator for the series, who pops up now and then to comment on the action and to supposedly enlighten the viewer about the strange goings-on—although some might say he is the one who is a bit more out of the ordinary than anyone else.

AFMMAA HOLDS MEMBERSHIP MEETING

The AFMMAA Summer Members Luncheon Meeting was held on 23 June 2010 at the Engineers Club, Dayton, Ohio with 22 members attending. President Gary Waggoner welcomed all attendees and provided a special tribute to Phil Bouchard, AFMMAA President from 2001 to 2005, who died earlier in the month after his battle with cancer. He then introduced Dr. Kathy Stevens, Director of AFRL/RX, and a Life Member of the AFMMAA. Dr. Stevens provided attendees with an excellent and in-depth overview of what is currently happening in AFRL, i.e., AFRL and RX actions to prioritize requirements, and RX actions to support the “Warfighters.” This includes an AFRL formal process to work with the Major Operational Commands to identify and prioritize their needs in order for AFRL to more effectively address them with “Capability Concepts” that deliver integrated technology solutions. Dr. Stevens also described her AFRL-level leadership role in working with the AF sustainment community to identify their technology needs and attempting to champion a stronger investment strategy/response by AFRL. Business activities were:

John Williamson reviewed the recommended changes to the Charter that the Executive Board (EB) approved in April and several minor changes which were made as a result of member suggestions. The revised Charter incorporating all changes will be posted on the AFMMAA web site.

John Williamson, AFMMAA Combined Federal Campaign leader, reported that \$1,524.19 has been received this year from AFRL/RX members, alumni and friends of the AFMMAA who are continuing to help support our scholarships. CFC contributions have increased from \$350 in 2007 to approximately \$1,600 per year.

Gary Waggoner outlined the planned AFMMAA initiative to help RX capture the major materials, processes and manufacturing contributions that the Directorate has provided for the Air Force and the nation. He reported that after the initiative is approved by the RX Executive Board, it will be necessary to determine how to move forward with RX leadership support and involvement, as well as from key alumni members, to help determine the course of action.

Dr. Bob Cochoy reported that 3 applications were received from the Scholarship Call and the committee is currently reviewing them. It will make its recommendations to the Executive Board by the end of

June. The winners will be officially announced at the RX Directors Call in August.

Tobey Cordell, VP for Membership, presented the latest membership information:

Charter Members	12
Life Members	48
Paid 2010 Yearly Dues	47
Haven't Dues Paid for CY2010	16
Haven't Paid Dues for 2 yrs or more	19
Have Never Joined	149
Do Not Want Mailing/Name Released	3
Moved or no current address	<u>25</u>
Total	316

Alumni who have never joined should contact Tobey for membership information or mail the enclosed membership and scholarship donor form.

John Williamson reported the AFMMAA 3rd Week of the Month Luncheons have been very successful with approximately 6 to 12 alumni attending each month. The luncheon schedule with addresses/directions is emailed to local alumni each month. Please send your email address to johnw13@earthlink.com or dkengman@msn.com if you are not receiving it.

Meeting Attendees: Gary Waggoner, President; John Williamson, Vice Pres.; Dick Engman, Secretary; Tobey Cordell, Membership; *Dennis Naughton, Treasurer; Tom Cooper, Newsletter; Dr. Bob Cochoy, Scholarship; *Bob Denison, Website; *George Schmidt, RX Advisor; Dr. Larry Bidwell; Dr. Charles Browning; Matt DiBiase; Al Gunderson; Warren Johnson; Ken Kojola; Ed Kuhl; Jim Mattice; Bob Rice; Dr. Vince Russo; Don Schrader; John Speers; Dr. Kathy Stevens; John Terazano; Roland Watts; Michael McCabe; and Bill Woody. (*Absent) See photograph on page 6.

FORMER AFRL/RX MEMBER NOW CHAIRMAN OF NMAB

A former member of AFRL/RX, who was in the Lab from 1980 until 1983, serving in both RXLP and RXM, was a member of the National Materials Advisory Board (NMAB) in 2007/2008/2009 and then was appointed Chairman in January 2010. M/Gen (Ret) Robert H. Latiff, PhD, retired from the Air Force in 2006. He now lives in Alexandria, VA, works as a private consultant and is also on the faculty and is Director of the Intelligence and Security Research Center at George Mason University. Congratulations to Bob!

AFMMAA COMING EVENTS

Thursday January 13th at 2:30 pm – RX Award Candidate Recognition Ceremony in the RX Cafetorium.

Friday January 14th - RX Awards Luncheon and AFMMAA Meeting at the Hope Hotel, WPAFB.

- AFMMAA Semi-annual Alumni Social and Meeting from 0900 to 1100

- RX Annual Awards Luncheon. Welcome at 1100, luncheon at 1200. Alumni may register for the Friday 14 January RX Awards Luncheon and select your lunch at: <http://www.ml.wpafb.af.mil/events/default.html> or call Rafael Reed (937) 255-9604 or Steve Schwenker (937) 255-0980. Pay at the door when you check in. Register now!

Wednesday February 16 at 1130 – Alumni Lunch Get-together at El Rancho Grande (Col Glenn Hwy, near Home Depot). Please let us know where you would like to meet for monthly alumni lunches in 2011. Respond to johnw13@earthlink.com, info dkengman@msn.com

HONORS AND AWARDS

RX employees have continued to receive significant honors and awards since those reported in the last Newsletter. Among those receiving awards are the following:

- 2010 Presidential Rank Meritorious Award – to be presented in Spring 2011, Washington, D.C.
Dr. Jim Larsen (RX)
- Fellow – American Physical Society
Dr. Richard Vaia (RXBN)
- Fellow – American Vacuum Society
Dr. Andrey Voevodin (RXBT)
- ASTM International Award of Merit
Steven R. Thompson (RXS)
- AFRL Fellow
Dr. Richard Vaia (RXBN)
- The McLucas Award for Basic Research
Dr. Tim Bunning (RXP)
- The McLucas Award for Basic Research – Honorable Mention
Dr. Benji Maruyama (RXBN)
- Air Force Meritorious Civilian Service Award
Dr. Dallis Hardwick (RXL)
- AFMC Air Force Organizational Excellence Award
Air Force Research Laboratory

AFMMAA WEBSITE IMPROVEMENTS

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

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

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

AFMMAA EXECUTIVE BOARD NOMINATIONS NEEDED

The terms of the current Executive Board will expire in June 2011. If you are interested in serving for two years as a board officer or chairman from June 2011 through June 2013 please contact Jerry Petrak or any board member or chairman listed below.

EXECUTIVE BOARD MEMBERS

- President, Gary Waggoner, gwaggoner@woh.rr.com
- Executive Vice President, John Williamson, johnw13@earthlink.net
- VP for Membership, Tobey Cordell, tmcgac1967@att.net
- Secretary, Dick Engman, dkengman@msn.com
- Treasurer, Dennis Naughton, snaughton@woh.rr.com

CHAIRMEN

- Chairman for Scholarship, Dr. Bob Cochoy, bcochoy@utcd Dayton.com
- Chairman for Newsletter, Tom Cooper, tomnkate@juno.com

AFMMAA CONTRIBUTORS AND MEMBERSHIP

The AFMMAA is very fortunate to have a solid membership and contributor base to support our Scholarship giving and yearly operating cost. AFMMAA has active membership of 121 members that includes 12 Charter members, 49 Lifetime Members, and up to 60 yearly renewing members. We encourage you to become a Life Member or pay your annual dues for the current year of Jan '11 – Dec '11. Your scholarship contributions and membership dues are essential to support and grow our annual scholarships in the areas of science and engineering to children of AFRL/RX employees. A list of Scholarship Contributors giving over \$100, Charter Members, and Lifetime Members is shown in the chart to the right.

In 2001, members of the Air Force Research Laboratory (AFRL) Materials and Manufacturing Directorate (then AFRL/ML) and ML alumni established the Air Force Materials and Manufacturing Alumni Association (AFMMAA). In addition to the contributions from members of AFRL/ML, twelve alumni helped to fund the AFMMAA and its scholarship program by contributing \$150 or more. Many other alumni signed up for Life Members (\$150) and others elected to pay yearly membership dues of \$10. This overall membership funding has paid yearly operating expenses and helped the AFMMAA to fund college scholarships for 20 students

We currently have 49 Life Members and hopefully that number will continue to grow each year. If you wish to become a Life Member, pay yearly dues or contribute to the scholarship fund please used the membership and scholarship donors form included in this newsletter. A list of scholarship contributors can also be found at www.afmmaa.com (or org). 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.

YOUR AFMMAA OFFICERS AND COMMITTEE CHAIRS



Gary Waggoner
President



John Williamson
Exec. Vice President



Dennis Naughton
Treasurer



Dick Engman
Secretary



Tobey Cordell
Membership



Tom Cooper
Newsletter Editor



Bob Cochoy
Scholarship

AFMMAA Contributors, Membership and Life Members - 2 Jan 2011		
Contributing Over \$100 to Scholarship Funds		
Wade Adams	G. Edward Kuhl*	George St. Pierre
Tom Cooper*	Alan Lovelace	Paul Sampson
Maj Gen T.L. Duke	Lou Ludike	Robert T. Schwartz**
Bob Denison*	Rich Lusignea	Edwin L. Thomas
Dr. Ronald Eby	Bobby McConnell	Hardy Trolander
Barry Farmer	Charlotte McConnell	Gary Waggoner*
Thomas Fiorino	Julia Millham	John Williamson*
Jacques Hemes	Zoe Dell Nutter	Bill Woody
Jim Huffman	Meir & Ruth Pachter	
Kenneth Kojola*	Paul Propp*	
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	Warren Johnson	George Schmitt
Phil Bouchard**	David Judson	Don Shrader
Charles E. Browning	Bob Kinceses	Jerry Sieron
Dennis Corbly	John Koenig	George Slenski
Ken Elbaum	Edward Kuhl	James Snide
Dick Engman	Cole Litton**	John Speers
Kathleen Falensky	Michael McCabe	George St. Pierre
Larry Fehrenbacher	James L. Mullineaux	Katherine A. Stevens
Thomas Fiorino	Dennis Naughton	Donald Tarazano
David W. Fischer	Larry Parsons	Scott Theibert
Harold Gegel	Cyril (Sonny) M. Pierce	Jon Tirpak
Henry C. Graham	Bob Rapson	Gary Waggoner
Alten (Skip) Grandt	John Rhodehamel	Roland Watts
James A. Hall	Terry M. Ronald	Bill Woody
John Henderson	Vince Russo	Carol Yamall
Rob Hull	Paul Sampson	*Multiple Contributions/Yrs.
Henry Johnson	Robert Schafrik	**Recently Deceased

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

ARE YOU A CURRENT AFMMAA MEMBER?

The annual dues are \$10.00, or a Lifetime Membership is available for \$150.00. If your dues lapse for one year, your membership will become inactive. Our records indicate there are still a number of members who have not paid their 2009-2010 membership dues. We don't want to lose a valuable resource to the Association – YOU!

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

PHOTO IDENTIFICATION

Answers for Page 5

A) Donald M. Forney; B) Jerome Kelble; C) Johann A. Herzog; D) James J. Mattice; and E) Gerald Gegel.

LOSSES FROM THE RX (ML) FAMILY

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

B/Gen. (Ret) Philippe Bouchard	9 June 2010
Ronald H. Williams	28 September 2010
Lloyd D. Richardson, Sr.	13 October 2010

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

ANOTHER LOSS

In the Fall 2009 issue of the Newsletter, there was an article about the loss of one of our distinguished Past Leaders, Dr. Harris M. Burte. In the article, it was reported that he was survived by his wife of 54 years, Miriam and their three sons and their families. We are sad to report now that his wife Miriam passed away on 15 September 2010 at Covenant House. She will also be greatly missed.