



AIR FORCE MATERIALS AND MANUFACTURING ALUMNI ASSOCIATION (AFMMAA) NEWSLETTER

TWENTY SIXTH EDITION

SPRING 2017

AFRL/RX DIRECTOR'S MESSAGE

What have I been doing? That's a question I ask myself a lot. It's been a whirlwind few months, filled with education for me and great successes for our workforce. Please allow me to share a bit with you.



Col Charles Ormsby

During fall 2016, I focused most of my energy internally. Probably the best education I received was from our workforce participation in the DEOCS, our acronym for organizational climate survey. This comprehensive survey on the work environment and culture within RX reaffirmed what I already believed, specifically that Materials and Manufacturing is a great place to work. Some of the specific highlights are that the culture is good, we believe in our mission, our supervisors take care of their people and morale is high. I spent a good deal of time this spring meeting with every branch in Materials and Manufacturing to talk about the DEOCS survey results and my observations about the organization. It was a fantastic opportunity for me to get to know the workforce better. I appreciate their candor with me and the warm welcome from every branch. I look forward to meeting with them on a regular basis throughout my assignment.

My internal look through the fall of 2016 culminated in setting four strategic goals for the Directorate. With inputs from the DEOCS, branch meetings, Mr. Lockhart's instructions to me before his deployment and many discussions with our leadership team, it became fairly easy to set our goals. As I expressed the goals to Team RX in a recent weekly email, they are:

- Decrease the overall RX acquisition timeline for technology programs and services.

- Discussion: This goal is aimed at recognizing the partnership between our program managers, technical teams and contracting support teams to build successful research programs on a predictable and timely basis. I believe we focus too much on the contracting timeline, without properly recognizing that there are significant

program management and technical review steps that must also be taken to successfully get an effort on contract and executed. Through this goal, I hope to inspire a spirit of teamwork and mutual accountability that will lead us all to succeed together.

- Enable partners' and customers' success by delivering materials, processes, and manufacturing technologies to satisfy their needs.

- Discussion: This goal is aimed at recognizing and celebrating the fact that we are an enabling technical directorate. Without materials and manufacturing, our sister directorates cannot produce the cutting edge tech demonstrators and prototypes that make the headlines around AFRL and the Air Force. To varying degrees, they recognize that and give us our due credit. I want us to also recognize that fact and give each other credit for our foundational contributions. Further, we have a TD with

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AFMMAA PRESIDENT'S MESSAGE

Clearly, my most important message to you is – SEE YOU AT THE 14 JUNE MEETING AT THE ENGINEERS CLUB OF DAYTON!! With this year being the 100th Anniversary year, we have planned some fun extra events for the luncheon, and don't forget that this year is the Board election year. Become more active and join the Board!!

Your AFMMAA has continued to participate as a member of the planning team for the 2017 100th Anniversary of the Materials and Manufacturing Directorate. Amy Whitney-Rawls, the Assistant to the Director, leads the team. You will see further information about all of the planned events elsewhere in this Newsletter. We have said that AFMMAA stands ready to provide whatever support we can. In addition, the 100th Yearbook is available and RX would like to get a copy to all AFMMAA members. See the article by Dr. Merrill Minges elsewhere in this Newsletter. Merrill was instrumental in galvanizing a quick response by the AFMMAA to assist in enhancing the Yearbook at the last minute. The AFMMAA is still working with PBS ThinkTV to develop funding to support the STEM-

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(AFRL/RX Director's Message continued)

divisions that fundamentally depend upon one another for success. Through this goal, I want to encourage collaboration and support between divisions within the directorate, in addition to the collaborations with other directorates.

- Develop and begin to implement a long-term, strategic plan resulting in world-class research infrastructure.

- Discussion: This goal is a natural extension of our cyber infrastructure strategic plan. With this goal, we will formalize, time-phase and publish our plans for improving and modernizing our facilities. While we have many plans in place, funded through various methods, I am not convinced we have a single, integrated plan with associated timelines and metrics to measure our progress against. I doubt we will ever be fully satisfied with our facilities. After all, we are funding-limited and driven to excellence. If we are to remain world class, we will always see more areas for improvement. As such, I expect our strategic plan will need regular updates and we will never fully achieve a state that we consider success. In my mind, this constant improvement will be good, but we need something written that we can rally around and measure ourselves against.

- Develop a more diverse workforce with multiple skillsets for materials and manufacturing.

- Discussion: This goal addresses both increasing the diversity in our workforce to capitalize on different backgrounds and experiences, and developing a multi-disciplinary workforce that will be suited to materials and manufacturing research in the future. We will define our vision for this workforce and put in place development programs for our workforce. Additionally, like in other goals, we will create metrics against which we will measure our progress.

We have assigned a senior person in RX as the lead for each goal, with the first goal being co-led by our Chief Engineer and our Contracting Branch Chief. We are currently collecting baseline data and clearly defining our metrics and milestones. I have met a couple of times with our Executive Group concerning the goals and next week I will begin meeting monthly with each individual goal lead.

Of course, the internal look never ends, but starting around the first of the year I focused more attention externally. I wanted to spend more time getting to know our customers and partners. To that end, I've taken many trips this spring. Our Functional Materials

Division took me on a whirlwind West Coast Trip to meet some of their customers and partners. We visited General Atomics, Northrop Grumman, Space and Missile Center, Raytheon Space and Airborne Systems, HRL Laboratories, Raytheon Vision Systems, University of California Santa Barbara, Jabil, the NextFlex manufacturing institute, and DIUx. I was impressed to learn how much RX, supports and partners with these agencies. Not surprisingly, these agencies have issues similar to RX in finding good transition avenues for their internal research and, in the case of the industry partners, issues convincing management to continue to fund IRAD in materials research. I believe these partnerships are highly valuable helping both partners to achieve respective goals.

In addition to the NextFlex manufacturing institute, I also visited America Makes and the Advanced Robotics for Manufacturing. All three are public-private partnerships, part of President Obama's Manufacturing USA initiative launched in 2011. America Makes is the National Additive Manufacturing Innovation Institute with a vision to accelerate additive manufacturing innovation and widespread adoption by bridging the gap between basic research and technology development and deployment. I see a lot of potential for us to build lucrative partnerships addressing our needs through America Makes. I'm also proud to acknowledge that Dr. Dennis Butcher and Dr. Mark Benedict, both in RXM, are the America Makes government Program Manager and Chief Technical Advisor, respectively.

The Advanced Robotics for Manufacturing (ARM) Institute conducts industry led applied R&D, develops and delivers education and workforce training, and provides access to shared capabilities through a nationwide network of regional innovation collaboratives. This institute stood up in January 2017. Again, RX has taken a strong leadership role in ARM with Mr. Rick Meyers and Dr. Steve Turek, both from RXM, acting as the Deputy Program Manager and Chief Technical Advisor, respectively. Additionally, ARM is standing up an Executive Steering Group for the institute and both Dr. Dave Walker, former ML Director, and I have volunteered to serve on the ESG.

While I'm on the subject of former Directors, I had the pleasure of both visiting and being visited by Dr. Kathy Stevens, former RX Director and now retired GE General Manager, Materials Processing and Engineering Division. I walked away from those engagements recognizing that GE is a great partner for RX and I look forward to continuing to support each other as we provide

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TOM LOCKHART'S MESSAGE

Thank you to all the members of the Alumni Association for the continued Directorate support while I am deployed in Afghanistan. It has been a very exciting tour but really wanted to be with all of you celebrating the 100th year anniversary with the Materials and Manufacturing Directorate

Col Ormsby, Ms. Amy Whitney-Rawls, and team have been gracious enough to allow me to join in the celebration from afar. I hope you take great pride and value your 100 years of success. As materials



and manufacturing scientists and alumni you take Afghanistan challenges and create Materials solutions for the warfighter!

*Thanks again,
Thomas A. Lockhart
Essential Function 5.0 -
Sustainment
in Afghanistan*

100TH ANNIVERSARY UPDATE

RX – A Century of Scientific Excellence

We are through the first quarter of our yearlong celebration for RX's 100th Anniversary. If you ordered an RX Centennial Coin, they have arrived and are available for pick up in the RX front office. Unfortunately, I do not have any extras. I will announce if we decide to place another order. I think they turned out great and here is what they look like:



For those who ordered apparel, it is also available for pick up in the front office. Apparel will not be sent to your house unless you are not local and arrangements are made. Please contact me at amy.whitney-rawls@us.af.mil.

We kicked off the year with our Annual Awards Banquet at the Holiday Inn with a 100 year theme. Our

keynote speaker was fellow RX alum Mr. Jon Tirpak. Jon's first assignment in the Air Force was at the Materials Laboratory studying fatigue and fracture properties of premium quality aluminum casting alloys. Jon also served on Project Forecast II, which so many of you are familiar with. Jon's presentation focused on process, people, and purpose of RX over the last 100 years. You might recognize a couple of the AFMMAA attendees below, enjoying their lunch.



I have been sending out monthly PDFs to everyone that we are calling 100 Days of RX. Twice a week we are releasing these short history blurbs to all RX employees. I hope you have been enjoying and learning a lot of interesting facts.

Our biggest 100 year event so far was the RX Open House and book release on 7 April 2017. We kicked the day off with an overview session in the RX Cafetorium where we released the new RX video and the RX 100 Year book. I want to take a moment to thank all of you who helped make the book a great success. It was a challenge for me to keep the book interesting, ensure its accuracy, and ensure the right content was included. I could not have done it without the help of Warren Johnson,

(Continued on Page 5)

(100th Anniversary Update continued)

Jim Mattice, Merrill Minges, Bob Rapson, Vince Russo, John Williamson, and others. They dedicated many hours and probably late nights making the book great. A round-of-applause is much deserved. After the overview session, there were 12 lab tour stops and a STEM area that everyone could visit. We had over 200 attendees from RX, RX family, AFRL employees, and alumni. You can find the news release here: <http://www.wpafb.af.mil/News/Article-Display/Article/1147337/afri-materials-and-manufacturing-directorate-open-house-highlights-a-century-of/>.



Upcoming 100 Year Events:

- 9 June: Bass Lake Picnic. Tickets are \$10 and must be purchased at the Building 653 front desk or contact me.



- 8 Nov: Capstone Banquet at the Wright-Patt Club at 6pm. Details to come.
- Date TBD: Time Capsule – We would like to gather ideas for items to include in this time capsule. All ideas regarding the time capsule and/or items to include are very much appreciated and will be carefully considered. Send ideas to amy.whitney-rawls@us.af.mil.

There are several events being planned outside of RX that you may want to participate in:

- 9 Sep: Aero Carnival – The 88th is planning the Aero Carnival to be 100 year themed.
- 5 Oct: McCook Field Site Commemoration – There will be a commemoration event at McCook Field to include a base/community-wide picnic, Ohio Historical Marker reveal and ceremony, and kickball tournament.

I hope to see you all at the next event on 9 June at Bass Lake!

*Amy Whitney-Rawls
RX Director's Assistant*

RX AWARD SPEAKER



Nathan Tirpak, Jon Tirpak, and Col Ormsby

YOUR AFMMAA OFFICERS AND COMMITTEE CHAIRS



Tobey Cordell
President



Matt Di Biase
Exec. Vice President



Neal Ontko
Vice President,
Membership



Dennis Naughton
Treasurer



Don Shrader
Secretary



Jim Malas
Scholarship

SEMI-ANNUAL WINTER AFMMAA BUSINESS MEETING

On Friday, 13 January, Matt Di Biase, the AFMMAA Vice President hosted the largest Winter Business Meeting gathering to date at the Holiday Inn, Fairborn. After the meeting, many of the attendees attended the RX Awards luncheon, also in the Holiday Inn. Jon Tirpak, an AFMMAA member and the guest speaker at the RX Awards Luncheon, attended the AFMMAA meeting.



Attendees -- Seated: Fred Meyer, Ken Kojola, George Schmitt, Dr. Vince Russo, Col Charles "Chuck" Ormsby, Matt Di Biase, Angie Tymofichuk, Jim Mattice. Second row: Dr. Walt Griffith, Dr. Terry Ronald, Jerry Petrak, Neal Ontko, Roland Watts, Tom Cooper, Dennis Naughton. Third row: Dick Engman, Bob Rapson, Don Shrader, Dr. Bob Cochoy, Robert Drerup, John Williamson, Jon Tirpak, Dr. Jack Henderson, Al Gunderson

AFMMAA MEMBERSHIP

We continue to reach out to many in RX who are nearing retirement and also RX industry friends in the Dayton community. In 2017: Dr. Dale Chimenti, Bob Denison, Robert Drerup, Jr., Gordon Griffith, Charlotte McConnell, Dr. Melvin Ohmer, Colonel Charles Ormsbey and Dr. Shashi Sharma became Lifetime members. Curt Fiedler and Don Hyden became members. Please note several long standing annual members have notched it up to lifetime memberships even without credit for many years of annual memberships.

Our current membership now consists of approximately 160 alumni. This includes 12 Charter members, 96 Lifetime members and several members who pay yearly dues. Another 100 alumni currently receive Newsletters.

If you need to pay your 2017 dues or want to become a new member 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, Life Memberships and scholarship contributions are tax deductible. All are very essential for us to continue 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.

RX AWARDEES

Dr Dean Evans, RXAP, was elected as a Fellow of The International Society for Optics and Photonics (SPIE).

Dr Jeffrey Calcaterra, RXSA, was elected to the Air Force Safety Hall of Fame. Quite an honor for someone from the Research Laboratory.

Dr Shekhar Guha of RXAP has been selected as a Fellow of t The Optical Society of America.

Adam Pilchak was just informed he is the recipient of a Presidential Early Career Awards for Scientists and Engineers award from the White House. See the web-site link: <https://www.whitehouse.gov/the-press-office/2017/01/09/president-obama-honors-federally-funded-early-career-scientists>

This is really the top of the line for a young S&E; the bulk these awards usually go to academic types. Probably in the history of the program there have been only one or two other AFRL recipients.

Ms. Rebecca Cleaver of RXM received the 2016 AFRL Science, Technology, Engineering and Math (STEM) Award in Manufacturing Technology from Maj Gen Robert McMurry, the AFRL Commander.

Dr Rollie Dutton, RXM Division Chief, was inducted as a Fellow of ASM.

Dr Craig Przybyla was recognized with an AFRL Early Career Award.

David Mollenhauer or RXC and his AFRL Team ETHOS won the World Championship in Punkin Chunkin with a throw of 3201 feet. They had previously won the WPAFB CFC pumpkin chuck this year with a toss of 3391 feet.

*Congratulations to all!
George Schmitt*

AFMMAA LUNCH SCHEDULE

Please mark your calendar now for the following AFMMAA scheduled luncheons.

- May 18 (Thursday) – Wandering Griffin (formerly Quaker Steak near Home Depot, Beavercreek)
- June 14 (Wednesday) -- the Engineers Club of Dayton AFMMAA Members Luncheon and Board Meeting. Reservations are required.
- Jul 19 (Wednesday) – Marions Pizza (N. Fairfield Rd)
- Aug 17 (Thursday) – China Garden Buffet (Airway Shopping Center)
- Sep 20 (Wednesday) – Cracker Barrel (corner Wilmington and Feedwire, across Feedwire from the Cosco development)
- Oct 19 (Thursday) – Osaka (near Golden Coral)
- Nov 15 (Wednesday) – Red Lobster (near Walmart, Beavercreek)
- Dec 14 (Thursday) – Brios (Greene Center)

The monthly luncheons are arranged John Williamson. An RSVP is typically not necessary, but if you think you are coming, it would be helpful so John can let the restaurants know how many tables are needed. Please respond to johnw13@earthlink.com and also let him know where you would like to eat for next years planning! Every year we have excellent participation in these events. Mark your calendar now.



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

P.O. Box 341413, Dayton, Ohio 45434-1413

MEMBERSHIP APPLICATION AND SCHOLARSHIP DONATION FORM

Name: _____ Date: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone -- Home: _____ Work: _____

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

Check here if we **CANNOT** release your information, i.e., address or e-mail.

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 2017 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).

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

\$ _____ **Annual Membership Dues** (for CY 2017, i.e., 1 Jan - 31 Dec '17) are \$10.

\$ _____ **Lifetime 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 form to:

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

RX 2016 ANNUAL AWARDS

The RX Annual Awards Luncheon was a rewarding and entertaining few hours. Honored individuals and teams for their tremendous accomplishments throughout 2016 and I truly believe our world-class efforts make a difference to the Air Force of today and beyond! I am pleased to announce this year's RX Annual Awards Recipients.

- Director's Award - Senior Individual:
Mr. Mark DiPadua (RXME)
- Director's Award - Junior Individual:
Dr. Jonathan Vernon (RXAPE)
- Director's Award - Team:
BEAST FOB of the Future Demonstration Team (RXSC): Maj Benjamin Bennett, 2Lt M. Colin Couch, Lt Col Scott Fitzner, 1Lt Jason Goins, Capt R. Jay Hodkin, Capt Carlos Suarez and Mr. James Vital
- Charles J. Cleary Scientific Award:
Dr. Benji Maruyama (RXAS) - Autonomous Research Systems (ARES)
- Robert T. Schwartz Engineering Achievement Award:
Dr. J. Dan Berrigan, Dr. Benjamin Leever, Dr. Michael Durstock (RXAS) - Conformal Antennas for Organic Link 16 Capability on the MQ-9
- Vincent J. Russo Award for Leadership Excellence:
Dr. Benjamin Leever (RXAS)
- Engineering Expertise Award:
Dr. David Mollenhauer (RXCCP) - B-2 Radome Airworthiness Modeling
- R. Lee Kennard S&T Manufacturing Heritage Award:
Digital Thread Team (RXMS):
Mr. Brenchley Boden, Ms. Amber Gilbert, Ms. Pamela Kobryn and Mr. Richard Meyers
- Military Award - CGO:
Capt David Walker (RXSS)
- Military Award - FGO:
Maj James Enderby (RXOE)
- Program Management Award:
Dr. Dean Foster (RXSS)

- International Award:
Low Dimensional Carbon Team:
Dr. John Boeckl (RXAN) and
Dr. Steve Fairchild (RXAPE)
- Supervisor Excellence Award:
Ms. Amber Davis (RXCCM)
- Mission Support Award - Individual:
Ms. Kristen Wentworth (RXFM)
- Mission Support Award - Team:
MAI Support Team (RXC, RXF, RQK):
Ms. Robin Bartley, Ms. Kelly Dougan,
Ms. Michela Greco, Ms. Traci Haerr,
Ms. Laura Leising and Ms. Susan Palmer

Thank you to the supervisors, management teams and nominees who spent hours developing nomination products that best capture our workforce's achievements and impacts. Thank you to those who celebrated with us today, showing support and excitement for your colleagues and our Directorate. Thank you to the planning committee, ceremony volunteers/participants, and Mr. Tirpak and Chaplain Nicolai, for providing us a memorable afternoon of good food, hearty laughs and thoughtful reflection. May we continue our 100th Year of Scientific Excellence in equally great fashion!

*Best regards,
Col Charles Ormsby*

THE RX EMBLEM: SYMBOLIC OF OUR DIRECTORATE AND MISSION

The gold circle of arrows projecting outwards signifies the extension of knowledge beyond present boundaries. The three arrows represent materials research, application, and manufacturing technology. The inward pointing arrows portray the extensive efforts contributing to the circle of knowledge. The emblem bears the Air Force colors, gold and ultramarine blue. Against a background of blue, depicting the sky, the primary theatre of the Air Force operations, the central atom represents the building block of all materials.



AFMMAA LUNCHEONS



April AFMMAA Luncheon at Red Lobster, Beavercreek. The attendees were (from left): Bill Lampert, Al Gunderson, John Williamson, Tom Cooper, Ken Kojola, Dr. Bob Cochoy, Dr. Terry Ronald, Dr. Jack Henderson, Tobey Cordell, Kay March. Join us monthly!!! Many thanks to John Williamson for organizing these fun events

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AFMMAA CONTRIBUTES

A number of ML Alumni made contributions to the 100th Anniversary Book, “Celebrating a Century of Scientific Excellence”: Tobey Cordell, Bob Denison, Hal Gegel, Warren Johnson, Jim Mattice, John Maguire, Merrill Minges, Paul Propp, Bob Rapson, Vince Russo, George Schmitt, and John Williamson.

These alumni offered specific suggestions capturing the principal themes of the ML heritage and legacy from the Laboratory’s beginning in 1917. All the alumni also recommended new text and new pictures highlighting the important individuals who made scientific, engineering and management contributions to the Laboratory.

Decade-by-Decade snapshots of ML history beginning prepared for Greg Schell/Think TV’s fall Learning Media series were edited and adapted for inclusion in the book: Warren (the 20s-40s), Tobey (the 50s), Merrill (the 60s), Hal (the 70s), Jim (the 80s) and Bob R (the 90s).

Specific suggestions capturing unique ML contributions for AF warfighters in co-operation with industry and others were recommended and incorporated throughout the book: ICBMs (Merrill, Paul), ManTech (Jim, Vince, John W, Paul), Space (Merrill, Paul, Bob D, George), Composites (Warren, Jim), Organizational Development (Vince, Jim, Warren, Merrill, George), SDI-Laser Hardening (Merrill, Warren). Project FORECAST (Bob R, Vince, Jim), Computational Methods (Bob R, Hal, John M). Even though the window for inputs was very narrow the opportunity to make contributions was adequate.

This was an interesting and rewarding experience. Not only did it provide opportunities to meet, reflect and recall but also required everybody to write something. Jim Mattice arranged for us to hold our meetings at the Engineers Club. And George Schmitt not only contributed to the work on the book but also provided timely liaison with the ML team. Some really interesting things were remembered or discovered like Bob Rapson’s photo of Charles Cleary with Orville Wright; the National Aviation Heritage Alliance helped us find information on the other individuals in this early photograph.

*Merrill Minges
AFMMAA Member*

AFMMAA AWARDEES

Dr. Charlie Browning, AFMMAA member and Chairperson of the University of Dayton Chemical and Materials Engineering Department, was awarded the prestigious Rodney D. Chipp Memorial Award by the Society of Women Engineers. The citation read: For successfully making inclusion a core workplace value; for taking the initiative to build diversity; and for creating vital success paths and processes for women, (info thanks to George Schmitt).

Jon Tirpak, an AFMMAA member and President of ASM International, was the guest speaker at the RX Awards Luncheon. His presentation was titled "Impact of Materials on Aviation Over the Last 100 Years."

NEW RETIREES

Ken Davidson, Apryle Monter, Karen Olson, Mary Ann Phillips, and Shashi Sharma have retired from RX.

Astronaut Dr Cady Coleman, USAF Col (ret), who is an honorary member of AFMMAA, is retiring from NASA. She spent more than 180 days in space on two shuttle missions and an International Space Station mission.

COMBINED FEDERAL CAMPAIGN

AFMMAA's application for approval as a charity was submitted on time to the Miami Valley Combined Federal Campaign. Due to some last minute changes by the CFC, Matt Di Biase had to get this done in a very short period of time. Thanks to all the Board members that contributed inputs to our application.

FALLEN COMRADES

Lyle Riffée, who was a technical area manager in ML for many years, passed away on Tuesday, 10 January 2017.

William R "Bill" Kerr, former employee of ML who worked in the metals processing area of MLM. He passed away Monday March 20, 2017 at age 84.

Frank P. Harsacky, Sr who was a senior staff member of ML died at age 95 on Thursday, March 16, 2017.

AFMMAA SCHOLARSHIP DONORS AS OF 31 MARCH 2017

Since 2001, members of the Air Force Research Laboratory Materials and Manufacturing Directorate, AFRL/RX alumni, and friends of the Air Force Materials and Manufacturing Alumni Association have contributed over **\$30,000** to the Scholarship Fund. Additionally, many RX individuals have contributed over **\$20,000** to the AFMMAA through the CFC and United Way Programs. We thank all for their generous giving. It is very essential to make our scholarship program so successful. New 2017 donor amount changes/increases are shown in **bold**.

Platinum Donors (\$1000 and over)

Dr. Wade Adams

Tobey Cordell

Robert Denison

Dr. Thomas D. Fiorino

Dr. Ed Kuhl

Dr. Alan Lovelace

Ms. Kay March

Mrs. Julia Millham

Paul Propp

Dilip Punatar

John Williamson

Gold Donors (\$500 to \$999)

Lyn Brown

Tom Cooper

Gordon H. Griffith

Dr. Jack Henderson

Dr. Douglas Hutchens

Kenneth Kojola

Gary Waggoner

Silver Donors (\$200 to \$499)

AFRL/MLO

AFRL/ML Exec. Group

Dr. Larry Butkus

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Ken Elbaum

Warren Johnson

Meir & Ruth Pachter

John Rhodehamel

Dr. George St. Pierre

Don Tarazano

Bronze Donors (\$100 to \$199)

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Dr. Larry Bidwell

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Don Shrader

Dr. Kathy Stevens

Dr. Edwin L. Thomas

Hardy Trolander

Andrey A. Voevodin

Roland Watts

Dennis E. Wisnosky

Bill Woody

RECENT MEMBER INFORMATION

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 that we received since the Fall 2016 Newsletter.

Dr. Dale E. Chimenti - Became a new AFMMAA Life Member in Dec 2016, Teaching aerospace engineering at Iowa State University.

Jack Conner, jconner@columbus.rr.com - Retired from Battelle in 1988. Travel, volunteer at Riverside Methodist Hospital, clock and watch collector, became a great grandfather in 2016.

Don Hyden, hyderdon@gmail.com - Current writing a book. Due out in late Spring 2017.

Dr. Frank Kelley - Frank's wife Judith writes: "Retired Dean Emeritus, University of Akron, Have 5 grandsons, we enjoy our log cabin and pontoon boat rides on Atwood Lake. [He] Loved his career. Serves on some business boards. The youngest son working at Air Force Academy."

Charlotte S. McConnell - We moved to N.C. in May 2016 to be close to our son and his family. Very happy here.

Colonel Charles D. Ormsby - Current Acting Director of RX. Became a Life Member at the Bi-Annual meeting in January.

Paul Propp, pmpropp@sbcglobal.net - Good ML memories serve me more each year; especially as I do less and less. Health OK, but not bragging. Best to all friends and colleagues.

Ed Snyder, csnyder1@woh.rr.com - Working part-time at UDRI.

We would like to hear from you! If you wish to share your recent activities or interest with others on the AFMMAA website www.afmmaa.org, please send an email to Neal Ontko at nontko@utccdayton.com.

ELECTED AF SAFETY HALL OF FAME

Dr. Jeffrey Calcaterra, AFRL/RXSA, was elected to the Air Force Safety Hall of Fame. Quite an honor for someone from the Research Laboratory.

Congratulations!

COMING EVENTS

Please mark your calendar now for the following AFMMAA and RX coming events. Reservations are required for the AFMMAA Summer Business Meeting and Election Luncheon on Wednesday, 14 June 2018. Please call Tobey Cordell (937-287-1871) to make your reservation. The cost will be \$25 at the door. Any excess funds will be added to the AFMMAA Scholarship funds. The AFMMAA will provide the key information to members by email. Every year we have had excellent participation, with this year being very special with the 100th Anniversary of RX. Due to some parking issues at the Engineers Club of Dayton, please be prepared for the possibility of on-street meter parking.

- Thursday, 18 May – AFMMAA Luncheon Wandering Griffin (formerly Quaker Steak near Home Depot, Beavercreek)
- Friday, 9 June – RX 100th Anniversary Time Capsule (time TBD) and Bass Lake Picnic (1130 to 1600)
- Wednesday, 14 June – AFMMAA Semiannual Business and Member meeting and Elections at the Engineers Club of Dayton, 1030 - 1400
- Wednesday, 19 July – AFMMAA Luncheon Marions Pizza (N. Fairfied Rd)
- Thursday, 17 August – AFMMAA Luncheon China Garden Buffet (Airway Shopping Center)
- Wednesday, 20 September – AFMMAA Luncheon Cracker Barrel (corner Wilmington and Feedwire, across Feedwire from the Costco)
- Thursday, 12 October – RX 100th Anniversary Capstone Banquet, location TBD

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 2016 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.

**AFMMAA CHARTER AND
LIFE MEMBERS
AS OF 3 APRIL 2017**

We currently have 96 Life Members. Eight (shown below in **Bold**) recently became “Lifers” – **Dr. Dale Chimenti, Bob Denison, Robert Drerup, Jr., Gordon Griffith, Charlotte McConnell, Dr. Elvin Ohmer, Colonel Charles Ormsby and Dr. Shashi Sharma.** In late 2016, Dr. Kumar V. Jata, Dr. Enrique Medina, and Mr. Joe Sciabica also became “Lifers.” If you are not a “Lifer” we encourage you to sign up now. 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.org website. Your memberships and scholarship contributions are very necessary for our mission and to grow our annual scholarships. A list of the Charter and Life Members is shown to the right. →

Spring 2017



AFMMAA Charter and Lifetime Members

Charter Members

- Dr. Wade Adams
- Bernard Chasman*
- Tom Cooper
- Dr. Gary Denman

- Craig Hartley
- Dr. Bill Kessler
- Jim Mattice (SES Ret)
- Dr. James Myers

- Bob Rice*
- Lynn Trainor
- Dr. Ben Wilcox
- John Williamson

Lifetime Members

- Robert Albrecht
- Mark Anderson
- Tia Benson-Tolle
- Dr. Larry Bidwell*
- B/Gen (Ret) Phil Bouchard*
- Lyn Brown
- Dr. Charles E. Browning
- Dr. Tim Bunning
- Dr. Larry Butkus
- Dr. Dale Chimenti**
- Dr. John Christian
- Dr. Bob Cochoy
- Dr. Dennis Corbly
- Tobey Cordell
- Lt Col (Ret) Ron Decker
- Bob Denison**
- Mathew DiBiase
- Robert Drerup, Jr.**
- Ken Elbaum
- Lt Col (Ret) Dick Engman
- Kathleen Falensky
- Frank Fechek
- Larry Fehrenbacher
- Dr. Thomas Fiorino
- David W. Fischer
- Don Forney*
- Dr. Hal Gegel
- Col John W. Gloystein
- Henry C. Graham
- Dr. Alten (Skip) Grandt
- Gordon Griffith**
- Dr. Walt Griffith
- Lois Gschwender

- Jeffery Guthrie
- Dr. Jim Hall
- Dr. John Henderson
- Ed Hermes
- Rob Hull
- Dr. Kumar Jata
- Henry Johnson
- Warren Johnson
- David Judson
- Dr. Frank Kelley (Honorary)
- Bob Kineses
- John Koenig
- Dr. Ed Kuhl
- Dr. Bill Lampert
- Cole Litton*
- Tom Lockhart (SES)
- Dr. Jim Malas
- Kay March
- Dr. Michael McCabe
- Bobby McConnell
- Charlotte McConnell**
- Dr. Enrique Medina
- Dr. Dan Miracle
- Dr. Tom Moran
- Jim Mullineaux
- Dennis Naughton
- Dr. Melvin Ohmer**
- Neal R. Ontko
- Col Charles Ormsby**
- Dr. Nick Pagano
- Larry Parsons
- Jerry Petrak
- Dr. Cyril (Sonny) Pierce

- Dilip Punatar
- Bob Rapson
- John Rhodehamel
- Dr. Terry Ronald
- Dr. Vince Russo
- Col (Ret) Tim Sakulich
- Paul Sampson
- Dr. Bob Schafrik
- Stan Schulman
- George Schmitt
- Joe Sciabica
- Dr. Shashi Sharma**
- Don Shrader
- Jerry Sieron*
- George Slenski
- Dr. Jim Snide
- John Speers
- Dr. George St. Pierre
- Dr. Katherine Stevens
- Donald Tarazano
- Scott Theibert
- Jon Tirpak
- Angie Tymofichuk
- Dr. Andrey Voevodin
- Gary Waggoner
- Dr. Dave Walker
- Roland Watts
- Dennis Wisnosky
- Bill Woody
- Col (Ret) Carol Yarnall

*Deceased

WE WANT TO BE INFORMED

Are you receiving email from the AFMMAA ? We try our best to keep everyone informed of the monthly luncheons, annual meetings, and other current events. This year we will be forwarding RX emails regarding the history, planning, and events for the 100th Anniversary as we receive information from AFRL/RX. We want you to be informed of all these special RX events.

However, we have a problem. Some members have moved and changed their email address to a new provider. If you are not receiving our emails and want

to be informed of AFMMAA and RX events please send your new email address to Neal Ontko, Membership Chairman (nontko@utc.dayton.com) or Dick Engman, Membership Support (dkengman@msn.com).

ELECTED FELLOW SPIE

Dr. Dean Evans, AFRL/RXAP, was elected as a Fellow of The International Society for Optics and Photonics (SPIE).

Congratulations!

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

AFMMAA WEBSITE

At George Slenski's invitation, who is the webmaster, a couple of us have been rethinking the design of the AFMMAA web site. The idea is both to bring it up to date in terms of its content but also to create a more pleasing design for its layout. We invite you to view the latest version of the site and, in particular, to provide suggestions that might enhance its overall effectiveness. In general, it seems the web site should provide information about the alumni association—its history, purpose, activities and so on—but it should also serve as a useful tool for members. Currently, the site has two sections—one that is open to the public and one that is accessible only to members, the latter being password-protected. The public section is intended to be an information source for anyone wanting to know more about the association; the restricted area has member lists, past newsletters, information regarding scholarship recipients, meeting notes, pertinent Materials Directorate updates and other non-public information.

We are soliciting input regarding the site. What could be done to improve it and to make it more useful? What could be added? What should be changed? What would make it more attractive? It is a work in progress and is not yet fully up to date in some areas, so if you have any ideas that might lead to improvements in its style, content, function and usefulness, please feel free to contact us at: webmaster@afmmaa.org.

*Thank You,
Terry Ronald*

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