



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

TWENTY EIGHTH EDITION

SPRING 2018

## AFRL/RX DIRECTOR'S MESSAGE

Last summer, I was inspired by a calendar I saw at the Lockheed Martin Advanced Technology Center (ATC). That might sound strange, but it struck me as a good internal communication and inspiration tool. For each month, the calendar had a graphic and a strategic message about the ATC. It was a great way to inspire the workforce and communicate strategic messages.



Col Charles Ormsby

I wanted to do something similar in RX, so I spoke with our corporate communications group when I got back to Dayton. The calendar idea didn't work out, but the comm group suggested a good alternative. As a result, we started placing "Director's Monthly Musings" posters around the complex on a monthly basis. My goal is to inspire the workforce to recognize that we work in a truly special place.

and educated workforce; we are committed to developing future leaders for Air Force superiority in all domains. Another poster displayed pride in RX's nature as a foundational directorate, reminding us that our materials and manufacturing expertise drives affordability for Air Force platforms across the spectrum. We drive capabilities in research and technology. We've had a few other posters which discussed things like how we are all Airmen and that our responsiveness makes us the "go-to" organization to provide solutions for the Air Force.

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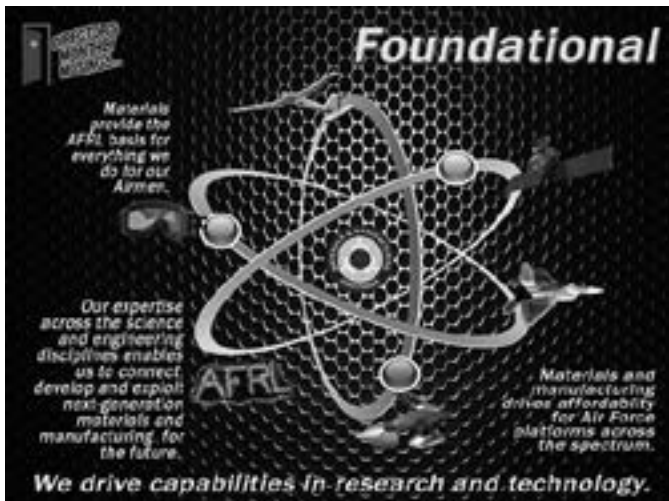
## AFMMAA PRESIDENT'S MESSAGE

Happy Spring! For those of us in the Dayton area, it's been slow coming but we welcome Spring and look forward to the promise of longer days and more sunshine and enjoying outdoor activities. I hope everyone has been equally awaiting this edition of the Alumni Newsletter. Tobey Cordell is our new Editor in Chief, and like most of the AFMMAA volunteers, selflessly supports the organization, the Alumni, and the Directorate outstandingly. It is the AFMMAA goal to publish information that is both interesting and helpful to you so please don't hesitate to comment on the content/data or anything else you would like to see in a future publication ([matthew.dibiase@gmail.com](mailto:matthew.dibiase@gmail.com), 937-283-5614, [tobeyf1@gmail.com](mailto:tobeyf1@gmail.com), 937-287-1871). Your opinion makes a difference!

In the previous Newsletter we had promised to debut an Alumni Corner column. The intent of this section was for Alumni to share interesting anecdotal stories/comments with our reader community....what's going on in the post-work world! I must say, all is quiet on the 'retirement' front! Please, let's hear from YOU, what have ya been doing!....everyone has something to share!

Since our last publication, RX 100th Anniversary Capstone Banquet was held 7 November 2017 at the Presidential Banquet Center, Kettering, OH. For those Alumni in attendance, and there were many, I'm sure they will attest it lived up to Col. Chuck Ormsby's invitational words, *"an evening to celebrate the rich history of materials and manufacturing research and development through remembrance, food and fellowship."* It was good to see all that were able to attend and for those of you who

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## AFRL/RX Director's Monthly Musings

The first poster highlighted a handful of the entrepreneurial opportunities we encourage the workforce to utilize, such as the AFRL Technology Acceleration Project, which helps researchers commercialize and transition their research to the market. The second poster emphasized that RX's centerpiece is its diverse, talented,

*(AFRL/RX Director’s Message continued)*

I anticipate that some of our future “monthly musings” will cover topics like RX’s infrastructure and international efforts. The infrastructure poster will discuss our facilities’ needs, and how we plan to address those to get well, stay well, and build for the future. In the international poster, we will highlight RX’s robust international program, which provides science and technology leadership across the globe through 137 international collaborations in 29 countries—and counting!

I’m open to suggestions for future musings. What do you think will encourage our workforce to keep up the great work? What are things that helped remind you that your work was meaningful and important?

*Col Charles Ormsby,  
Acting Director, Materials &  
Manufacturing Directorate*

.....  
*(AFMMAA President’s Message continued)*

could not make it, I’m sure you were fondly recalled in one of the dinner table conversations.

Your AFMMAA actively supported the planning leading up to the 100th Anniversary celebration as well as sponsoring some activities. Yet to be displayed will be a sizable Centennial Clock mostly likely in the front lobby of building 653. RX’s Directorate Mary Shelly has spearheaded the effort with Dr. Merrill Minges rallying Alumni participation/contributions. The clock face will feature ICONs, pictures chronologically placed around the periphery of the clock by decade (1917-2017), highlighting key research areas. When displayed the timepiece will symbolically remind viewers of the true and unique nature of RX over the decades...well grounded, science-based applied research implemented in Air Force systems...and supported in the field thereafter and stir a vision of what the future may hold.

One other 100th Anniversary resultant of note is the creation (under construction) of an AF Materials and Manufacturing history portal on the new and improved (THANKS to Terry Ronald) Alumni website. The effort has been initiated by AFMMAA members through a common desire to create and preserve an organizational historical narrative.....who better to tell/edit the story than those that lived it.

This publication will roughly coincide with the start of the AFMMAA Scholarship process of awarding RX Directorate children and grandchildren college scholarships. We look forward to this activity and the

ability to do. Many Alumni have been very generous contributing to this endeavor. As always, AFMMAA would not exist if not for your continued membership, contributions, and voluntary efforts – Thank You! That said, AFMMAA will have two positions opening up in the near future. Two of our Alumni have generously contributed their time and valued contributions and have decided to pass the baton; Neal Ontko, Vice President-Membership and Dr. Jim Malas – Scholarship Chairman. To those interested in assuming one of those roles, please send me a note of interest.

Truly looking forward to seeing as many that can attend the **AFMMAA Semi-Annual Meeting at the Dayton Engineers Club, 21 June 2018!!!**

Personal regards,  
*Matt Di Biase, AFMMAA President*

**RX AWARDEES**

The General Bernard Randolph Engineering Team Award from the Air Force Materiel Command was awarded to the whole RXS Systems Support Division. This is a prestigious AFMC level one award which was highly deserved. The Division members were: Jeffery Stricker, Brett Bolan, Diane Buhmaster, Jeffrey Calcaterra, Douglas Carter, Paul Childers, Douglas Dudis, Alan Fletcher, Dean Foster, Michael Hirsch, Ryan Justice, Walter Juzukonis, Kevin Kendig, Matthew Krisak, James Mazza, Nathaniel Opie, Ryan Osysko, Andrew Phelps, Joseph Shumaker, Michael Spicer, Kara Storage, Timothy Swigart, and David Walker.

Congratulations to the RXF winners of AFRL Financial Management annual awards: Ms. Pam Powers (James E. Short Award for Outstanding Contribution to Mentorship and Career Development); Ms. Michela Spijkers (Outstanding Contribution to FM Comptroller); Ms. Kelly Dougan (Spotlight Award); and the RXF division as a whole (Maj Gen Flowers Financial Management and Comptroller Organization of the Year).

Congratulations to Mr. Bob Ware of RXS on being selected as the AFRL nominee for the Air Force Safety Hall of Fame Award. Bob was nominated for a lifetime of work dedicated to mishap prevention. He has investigated mishaps on nearly every aircraft in the Air Force inventory, the results of which have prevented catastrophic engine failures on T-6s, F-15s, and F-16s; fuel fires on B-1s; and structural failures through the Air Force fleet. Because of his work, countless lives have been saved, and the Air Force has avoided over \$100M in damages (info thanks to George Schmitt).

## THE AIR FORCE MATERIALS AND MANUFACTURING LIVING HISTORY

The McCook Field/Wright Patterson Centennial Year that just concluded has been an opportunity to reflect on the legacy, heritage and accomplishment of the Materials Laboratory since its beginnings at the Field in 1917. A number of centennial events organized by the Materials and Manufacturing Directorate gave ML alumni an opportunity to meet old friends and to contribute to new documentation on the laboratory's history.

The alumni association was given the opportunity to participate in the Materials and Manufacturing documentation initiatives undertaken for the centennial year. As this collaboration proceeded, a number of the alumni suggested that a broader, longer-term effort should also be undertaken to more fully organize and document Laboratory history. It was felt that this task would be easier if it could be done electronically, so that the product could be made readily available to all. If access were made simple in this way, the documentation could easily incorporate inputs of all kinds from many contributors on a continuing basis.

Even without major new contributions, just organizing and electronically referencing the existing archived paper material for easy access would be very useful. As an example of the possibilities, much of the very large ML archive that was collected with Directorate support is located at Universal Technology Corporation, and it would be valuable if the index to these materials were easily accessible.

The archival history of ML already in place before the centennial year is quite extensive, including documents and books from the 50th and 75th anniversary events:

- Five Decades of Materials progress: 1917-1967
- ML Historical Timeline: 75 Years Supporting the Air Force Mission
- 75 Years of Material Leadership 75th Anniversary Tape

Newer historical information includes:

- Chronological History – Materials & Manufacturing Directorate 1917 – 2000s
- AFRL/ML: Materials and Manufacturing Directorate – Historical Overview 85 years
- “100” Days of RX – A Historical Snapshot of the Materials and Manufacturing Directorate - Celebrating a Century of Excellence 1917-2017
- The AFRL/RX Centennial Clock and Brochure (currently in-preparation)

With the above thinking in mind, over the last year several alumni individuals started an informal project to create what is termed an ML Living History. The idea is to establish a repository of historical information that would not only be easily accessible to all alumni and others but would allow individuals to contribute information directly to the collection in an ongoing manner. It seems that the AFMMAA web site could be the vehicle to provide the needed access and to allow anyone to add additional input. The web site has been in existence for some time but is undergoing a facelift with the help of several alumni members. The new site



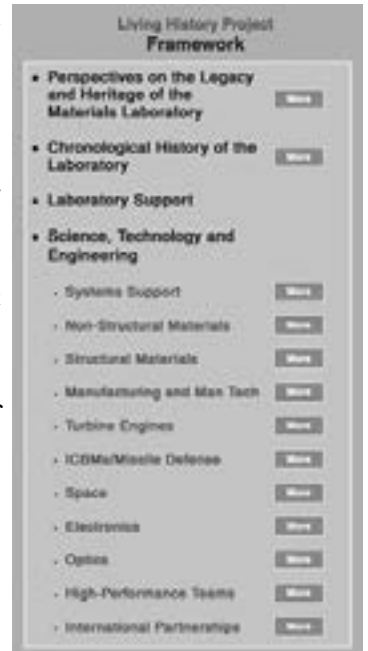
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*(The Air Force Materials and Manufacturing Living History continued)*

itself is described in a separate article in this newsletter.

The living history information that has been collected so far is currently positioned on the History page of the web site. The intent is to set up a location with “Wikipedia-like” features, meaning information of interest can be found easily, comments can be made directly on the site, and items can be added by anyone who feels they could contribute to the collection. To make it interesting and lively, pictures, videos, copies of original documents, etc., would be welcome. In addition, individual anecdotes, personal experiences and/or documentation would make the site especially interesting. The page has several mechanisms for adding information, including direct uploading of files. The goal of the site is to make it of interest to ML alumni, friends of ML and current ML employees—hopefully to the point that many will be inspired to provide additional input to the project in whatever form suits them.

After review and discussion of the known archives by the initial working group of alumni, a history topical arena taxonomy framework was developed. Taking the process one step further, for each of the eleven arenas, additional information pages were created. On the web site these may be accessed by clicking on a “More” box next to each major arena title. Specific sub-headings were also added to help focus further input.



The hope is that this starting approach may catalyze new contributions and ideas from alumni based on their “original source” perspectives in these or other broad arenas. This preliminary organizational framework is intended to be a baseline that can be modified and improved. To help with the overall process, we have identified a core group of volunteers to act as coordinators for the individual arenas in the list. They will help organize the content within any individual arena and also highlight cross-area interrelationships. These organizers will also be asked to authenticate new contributions before posting, so that the web site administrator can focus on overall page layout, accessibility and function. The organizers will not be editors, but as the content grows in depth and breadth of coverage, it may be appropriate

at some point to consider editing the material for publication in book or other form. It is certainly the hope of the core organizational group that this may come about!

The history project is an alumni initiative. While it follows on from the many different events and documentation projects undertaken by the Directorate during the centennial year, it seems a logical undertaking for our organization, whose members after all comprise the collective living memory of a significant stretch of ML history. Once a practical initial framework is established—initially using the web site as a convenient depository—there is the potential of reaching



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## UNIVERSITY OF DAYTON LEARNING OPPORTUNITY

Hey, AFMMAA Members! Not enough to do in retirement, or just want to keep on learning for better brain health and fun? Have a look at the University of Dayton Osher Lifelong Learning Institute (UDOLLI).

The UDOLLI is designed to expand knowledge and explore ideas in an informal, flexible, and non-competitive environment. There are no prerequisites, no exams, no grades; only the opportunity to interact with your contemporaries and meet friends, old and new, including several AFMMAA members and other WPAFB and industry retirees both attending and moderating classes.

The program is available to adults 50 years or better young and offers a wide variety of seminars based on the peer-learning concept and designed to be intellectually stimulating in an informal and non-competitive environment.

The separate Spring-Fall-Winter offerings typically include over 70 seminars in the following categories: Art and Photography; Computer and Digital Technology; Current Events, Law, and Politics; Film and Theatre; Finance and Economics; Health, Exercise, and Wellness; History and Social Sciences; Language; Literature and Writing; Music; Psychology; Religion and Philosophy; Science; Sociology; and Travel, Sports, and Leisure.

Most UDOLLI seminars meet in the beautiful space of the University's River Campus, 1700 South Patterson Boulevard (formerly NCR World Headquarters). Parking and access are easy. Some seminars are held off-site at such locations as the University main campus and the Boonshoft Museum. You may take just one or as many classes as you wish for one price (\$80 for seminars; \$50 for parking if used). Seminars are typically 2 hours (including one break) and held once per week for 6 weeks in the Spring, Fall and Winter. For additional information visit: [https://www.udayton.edu/continuing\\_education/senior\\_programs/udolli/index.php](https://www.udayton.edu/continuing_education/senior_programs/udolli/index.php)

To be added to the mailing list, call the Office of Special Programs and Continuing Education at 937-229-2605 or 937-229-2347.

Hope to see more of you there! Any questions, contact me at [jjmattice@sbcglobal.net](mailto:jjmattice@sbcglobal.net) (contributed by Jim Mattice, AFML (now RX), 1959 – 1983).

## AFMMAA WEBSITE

The AFMMAA web site—[www.afmmaa.org](http://www.afmmaa.org)—is undergoing an update that includes a new look and new features. A notable aspect of the site is the addition of a history page. This is described in more detail in a separate article in this newsletter, but it's worth pointing out that this page is representative of what we hope will be a site that could be a truly informative vehicle for alumni use. Rather than being just a "calling card" for the association, it can perhaps have a more active role. Obviously, like most web sites, it displays basic information about the organization and its functions, but there may be other features that could prove valuable. In our case, for example, we have a page containing all the previous and current newsletters, a page for dues/donations payment or for anyone wanting to join the organization, and a page that provides a means for member general communication.



AFMMAA Website Screenshot at [www.afmmaa.org](http://www.afmmaa.org)

One of the aspects that we hope will be useful is the option for anyone to upload information at will—documents, images, videos, etc.—as well as the complementary ability to download items from the site. This is particularly important for the living history project, where we hope there will be ongoing input and interaction to keep expanding the content. While it is not  
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**YOUR AFMMAA OFFICERS AND COMMITTEE CHAIRS**



**Matt Di Biase**  
President



**Clay Harmsworth**  
Exec. Vice President



**Neal Ontko**  
Vice President,  
Membership



**Dennis Naughton**  
Treasurer



**Don Shrader**  
Secretary



**TBD**  
Scholarship



**Terry Ronald**  
Web  
Administrator



**SEMI-ANNUAL WINTER AFMMAA BUSINESS MEETING**

On Friday, 12 January, Matt Di Biase, the AFMMAA President led the Winter Business Meeting at the Holiday Inn, Fairborn. After the meeting, many of the attendees attended the RX Awards luncheon, also in the Holiday Inn.



**Attendees -- Seated: George Schmitt, Dennis Naughton, Dr. Merrill Minges, Neal Ontko, Matt Di Biase, Jim Mat-tice, Dr. Vince Russo, Warren Johnson, Dick Engman. Second row: Clay Harmsworth, Bob Rapson, Tom Cooper, Bob Drerup, John Williamson, Roland Watts, Bill Lampert, Tony Jensen, Dr. Terry Ronald, Al Gunderson.**

**COMBINED FEDERAL CAMPAIGN**

AFMMAA’s application as a charity was submitted on time and approved by the Miami Valley Combined Federal Campaign. Clay Harmsworth successfully accomplished this for AFMMAA. Thanks to all the Board members that contributed inputs. Changes put in place by the new CFC management team seems to have made a very significant reduction in funds coming to AFMMAA (and perhaps all other charitable organizations).



**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 2018 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 2018, i.e., 1 Jan - 31 Dec '18) 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**

*(The Air Force Materials and Manufacturing Living History continued)*

out to the current directorate employees and friends of ML in industry, academia and elsewhere to expand the scope, content and reach of the project.

We encourage everyone to actively join us in this endeavor. We all recall our time at the lab, no matter what it was called—McCook Field Materials Section, Wright Field Materials Branch, Wright Field Materials Laboratory, WADC Materials Laboratory, WADD Materials Central, AFSC/AFML, AFWAL/ML, WRDC/ML, WL/Materials Directorate, AFRL/Materials Directorate or AFRL/XR. Let’s share some of these memories and experiences. And let’s ensure that we do our bit to archive the lab’s unique history for the edification and education of future generations of the organization. It may help them to learn from the past, as we have been enlightened by the work of others before us! (contributed by Dr. Merrill Minges and Dr. Terry Ronald).

.....  
*(AFMMAA Website continued)*

intended that this should be an emulation of a Facebook-style page, it could in its own way be a valuable asset that would facilitate more input from alumni members, some of whom are geographically widely separated.

Another option is the capability of having multi-level information access. Already on the history page there are items where additional content may be seen by clicking on the appropriate links. The results of these links may in turn lead to other links that allow a cascading down into further levels of detail. These features are of course the kind of thing seen on many sites, such as those of news organizations, where it’s possible to follow a number of paths that give an increasing amount of information. We hope that some aspect of this capability could be a feature of the alumni web site, especially the history page, with its intentionally named living history project.

The site is still a work in progress and the layout will change as we gain experience with its design; accordingly, we invite you to view it and provide any input that may improve it. If desired, this may be done on the site itself using the form on the Communications page! (contributed by Dr. Terry Ronald).

**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 2017 Newsletter.

**Robert Gran**, rjgran944@roadrunner.com - Retired from Universal Technology Corporation. Departed from RX in 1962.

**Anthony “Tony” Jensen**, ajensen@innssi.com - Became a new AFMMAA Life Member in Oct 2017. Strategic Business Development; Innovative Scientific Solutions (ISSI); Executive Director & Past President, Defense Planning & Analysis Society (DPAAS).

**Robert Latiff**, rlatiff@msn.com - Published new book: “Future War: Preparing for the New Global Battlefield” (Knopf, Sept 17).

**John Maguire**, johnmaguire@scimsystems.com - Chief Tech Officer Scientific Simulation Systems, Relocating to San Antonio in June 2018.

**Merrill Minges**, m.minges@sbcglobal.net - Interested in ML History. Merrill was key in working with Mary Shelley on ideas for the Centennial Clock which will illustrate the advancements of the past 100 years in 12 “hours”.

**Ted Nicholas**, tednicholds@msn.com - We spent 5+ months each winter in Palm Springs.

**John Speers**, taffy45431@ameritech.net - Attempting golf. Spent three months in winter near Myers, FL. Members Centerville Optimist Club.

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@utcd Dayton.com.



**AFRL/RX CENTENNIAL CELEBRATION BANQUET**

The Materials and Manufacturing Directorate 100th Anniversary Celebration Banquet was held at the Presidential Banquet Center on November 7, 2017. It was hosted by Colonel Chuck Ormsby, the Acting Director, with current employees and families attending, as well as many AFMMAA alumni. Making the evening even more memorable was the presence of Past Directors and Chief Scientists. Here are some photos from that gala evening:



**Attendees included: Dr. Frank Kelley, Col (ret) Tim Sakulich, Col John Gloystein, Dr. Kathy Stevens, Dr. Charlie Browning, Dr. Gary Denman, Col. Chuck Ormsby, Dr. Tim Bunning, Dr. Vince Russo, Dr. Wade Adams, Dr. Barry Farmer, and Dr. Dan Miracle**



**Former and Current Chief Scientists: Dr. Frank Kelley, Dr. Wade Adams, Dr. Barry Farmer, Dr. Dan Miracle, and Dr. Tim Bunning**

**THE AIR FORCE MATERIALS AND MANUFACTURING CENTENNIAL CLOCK PROJECT**

One of the significant Directorate initiatives undertaken during the 2017 Centennial year was the design, construction and display of the Materials and Manufacturing Centennial Clock. The concept of the clock display, the launch of the project and project direction were the work of Mary Shelly in AFRL/RXO. She was assisted by the staff of the Directorate’s Public Affairs Group and others. The AFMMAA alumni were also invited to participate. A small alumni team worked with the RX team throughout the project. In addition, three alumni meetings with the Directorate clock team were held to gather ideas and develop specific inputs from across the alumni community: Brainstorming Session - 1 November at UTC; AFMMAA Semiannual Meeting – 12 January at the Hope Center; and editing of the Graphics – 24 January at UTC.



**Centennial Clock Design**

To be an affective AF Materials & Manufacturing attention-getter the clock face, intended to be ~ 4 feet in diameter, needed to be visually simple and attractive. To accomplish this, the clock face was laid out in decade-by-decade wedges spanning the century. Each segment was highlighted by an appropriate ‘Icon’. The clock will be displayed prominently in Building 653. Located nearby will be a clock ‘brochure’ available for viewers to review and take with them. Of the 12 decade segments representing the 1917-2017 centennial period, 2 were allocated to ‘today’ and to the ‘future,’ thus the 10 remaining were the main subject of the team discussions: selecting the right icons and outlining the brochure contents. Developing

the inscriptions located around the periphery of the clock face was also an important task. After much deliberation the 10 decade segment themes were selected; Systems Support, ICBMs/SDI, Nonstructural Materials, Structural Materials, Turbine Engines, Electronics, Manufacturing Technology, Space, High Performance Teams, and Optics Technologies.

The challenge of capturing everything of importance across an entire century in a concise fashion required a lot of reflection about what was really important in the Directorate over the years: who were the individuals and groups who made it happen, what was the historical context and what Air Force challenges lead to Laboratory/ Directorate action. The centennial clock/brochure construct is a good representation of AFMMAA alumni and current employee perspectives about our history. For this reason this taxonomy is also serving as a basis for other documentation of the centennial year including the alumni launched Living History Project and the 100 Days of RX series (info contributed by Dr. Merrill Minges).

**FALLEN COMRADE**

Dr. Alan Lovelace passed away on April 18, 2018. Dr. Lovelace served as the Chief Scientist and became the Director of the Air Force Materials Laboratory in 1967, as well as eventually becoming the Deputy Administrator of NASA.

Don Tarazano passed away on April 27, 2018. Don was a very active AFMMAA member, attending luncheons and volunteering for scholarship evaluations. The family asked that memorial donations be made to the AFMMAA Donald Tarazano Scholarship Fund.



## RX 2017 ANNUAL AWARDS

Despite the rain and impending freeze and snow, we had the pleasure of honoring individuals and teams for their tremendous accomplishments throughout 2017 at the Annual Awards Luncheon. I am pleased to announce this year's award recipients.

- Director's Award - Senior Individual  
Dr. Adam Pilchak (RXCM)
- Director's Award - Junior Individual  
Ms. Asheley Blackford (RXOP)
- Director's Award - Team  
NDE Technology Development Team (RXCA) -  
Mr. Charles Buynak, Mr. Juan Calzada, Mr. Sean Coghlan, Mr. Joshua Forbes, Ms. Lenell Kern, Dr. Eric Lindgren, Mr. Siamack Mazdiyasi
- Charles J. Cleary Scientific Award  
Dr. Donald Dorsey (RXAN), Dr. Nicholas Glavin (RXAS), Dr. Eric Heller (RXAN), and Dr. Benji Maruyama (RXAS) - Flexible Gallium Nitride for High Performance, Strainable Radio Frequency Devices
- Robert T. Schwartz Engineering Achievement Award  
Mr. Charles Buynak (RXCA) and Mr. Ryan Mooers (RXSA) - Transition and Validation of Advanced Eddy Current Scanning Systems
- Vincent J. Russo Award for Leadership Excellence  
Lt Col R. John McFarland (RXSC)
- R. Lee Kennard S&T Manufacturing Heritage Award  
F-22 Auto Inlet Coating Application Team -  
Dr. Dean Foster (RXSS), Dr. Carl Lombard (RXME), Mr. Ryan Osysko (RXSS)
- Military Award - CGO  
Capt R. Jay Hodkin (RXSC)
- Military Award - FGO  
Lt Col R. John McFarland (RXSC)
- Engineering Expertise Award  
Mr. Douglas Carter and Mr. Ryan Osysko (RXSS) -  
F-35 Sustainment Improvement Team
- Program Management Award  
Mr. Marvin Gale (RXMS) - Maturation of  
Advanced Manufacturing for Low Cost  
Sustainment

- International Award  
Dr. Thomas Cooper (RXAPE)
- Supervisor Excellence Award  
Mr. Sean Coghlan (RXCA)
- Mission Support Award - Individual  
Ms. Marisa Alia-Novobilski (RXOP)
- Mission Support Award - Team  
Contracted Services Team (RQKE, RXOC, RXOE, RXOP) - Ms. Sheila Boyer, Ms. Mary Beth Holt, Ms. Clarissa Kerney, Mr. Steven Mahurin, Mr. Nicholas Massey, Mr. Bruce McCallister, Mr. Jason Ritchie, Mr. Jacob Swogger, and Ms. Meagan Wooten

Thank you to the management teams who invested time and effort on nomination packages which highlight the achievements and impacts of our workforce. Thank you to Dr. Walker, Mr. Scalzi, other ceremony volunteers, and Chaplain Snyder for creating a memorable afternoon. Thank you especially to the planning committee for this year's awards season- Brent Volk, Andrea Helbach, Amy Whitney-Rawls, Jeremy Gratsch, Laura Clark, Valerie Bliss, Phyllis Anderson, Jason Goins, Jessica Krause, Amber Gilbert, Jackson Heinz, and Shanee Pacley. And thank you to everyone who joined us in celebrating our RXcellent people!

Best regards,  
*Col Charles Ormsby*  
*Acting Director, Materials &*  
*Manufacturing Directorate*

## 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.



## CONSIDER AIR CAMP FOR YOUR GRANDCHILDREN

Air Camp is a not-for-profit organization founded in the early 2000's by four invested and engaged STEM leaders in Dayton, Ohio, including our own Dr. Vince Russo. Vince currently serves as the President of Air Camp. This unique program was created to help students become more aware of STEM education and career opportunities, with an emphasis on aviation and aeronautics, and to increase students' confidence to pursue such opportunities throughout K-12 grades and beyond by reinforcing the skills of leadership, scholarship, and citizenship.

The Day Camps are week-long adventures designed for students entering grades 4, 5, and 6. Students engage in collaborative learning modules at a variety of sites with an emphasis on a wide range of STEM fields. The Overnight Middle School Camp is a week-long resident camp for students entering grades 7, 8, and 9. This original Air Camp program is rich with creative collaborations among professionals and students, immersive STEM content and skills, and successful engineering design challenges. It also includes the foundational component of flight ground school for every middle school participant. By the end of the week, each student learns to pilot a real aircraft from the Dayton Wright Brothers Airport in Springboro, Ohio under the direction and support of an FAA certified pilot instructor. In 2015, Air Camp, Inc. expanded programming to include a professional development opportunity that allows educators to uniquely partner with Air Camp.

Air Camp has been hugely successful – growing from one camp serving 40 kids in its inaugural summer to three camps serving 132 kids in 2017. New collaborations in 2018 will bring the total number of camps offered to 14, but accommodating additional students in the future could be difficult due to space constraints.

Air Camp also recently received a boost when United Airlines learned about Teachers Air Camp and committed to funding two camps per year. In addition, the airline gifted a significant amount of air miles to fly teachers and students in and out of hub cities.

“Between attendees and teachers, we estimate that the number of students impacted so far is just under 19,000. The support from ESFDF and United Airlines will help take Air Camp to the next level. The more teachers who attend, the more students we can impact,” Dr. Russo said.

“This will help inspire youth to pursue careers in STEM fields and ensure we have enough individuals to fill these positions in the future,” (contributed by Dr. Vince Russo).

## LUNCHEONS AND BUSINESS MEETING

Please mark your calendar now for the following AFMMAA coming events. Reservations are required for the AFMMAA Summer Business Meeting at the Engineers Club of Dayton on Thursday, 21 June 2018. Please TEXT or 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 also provide the key information to members by email. Every year we have had excellent participation. We look forward to seeing you there.

Times: All luncheons at 11:30 unless otherwise noted.

- **May 9 (Wednesday) – Bag of Nails** (west end of Cross Point Shopping Center.
- **Jun 21 (Thursday) – Summer Business Meeting (10:30 Engineers Club of Dayton)**
- **Jul 19 (Thursday) – Glasz Bleu Oven** – 521 Wayne Street (Oregon District)
- **Aug 22 (Wednesday) – Jimmie's Ladder 11** (Dayton, 936 Brown St.)
- **Sep 20 (Thursday) - The Melt** (Fairfield Mall, right of Bravos)
- **Oct 17 (Wednesday) – First Watch** (near Texas Roadhouse, across from Wright State)
- **Nov 15 (Thursday) – MacKenzie River** (Fairfield Mall)
- **Dec 19 (Wednesday) – NCR Country Club** (tentative)

The monthly luncheons are arranged by 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](mailto: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** for these 11:30 am luncheons.

## 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](http://www.afmmaa.org), please send an email to Neal Ontko at [nontko@utcd Dayton.com](mailto:nontko@utcd Dayton.com).

## NOTE: 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. We did not receive comments for this edition of the Newsletter. We would like to hear from you! Please use the Membership and Scholarship Donation Form, Recent Information About Yourself, or email to AFMMAA attention of Neal Ontko, Membership Chairman, at [nontko@utcd Dayton.com](mailto:nontko@utcd Dayton.com).

## AFMMAA SCHOLARSHIP DONORS AS OF 18 APRIL 2018

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 **\$31,500** to the Scholarship Fund. Additionally, many RX individuals have contributed over **\$21,000** 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. The current 2017-18 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 Kojala  
Gary Waggoner

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

AFRL/MLO  
AFRL/ML Exec. Group  
Dr. Larry Butkus  
Jonathan & Janice Chasman  
Dr. and Mrs. Ronald Eby  
Ken Elbaum

Warren Johnson  
Meir & Ruth Pachter  
John Rhodehamel  
Dr. George St. Pierre  
**John M. Speers**  
Don Tarazano

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

AFRL/MLB  
AFRL/MLLMN  
Dr. Larry Bidwell  
Maj. Gen. (Ret.) Terry L. Drake  
**Robert Drerup, Jr.**  
Dick Engman  
Dr. Barry & Sharon Farmer  
**Robert J. Gran**  
Ron Grogan  
Jacques Hemes  
Jim Huffman  
Dr. Frank Kelley  
Ronald Kerans  
Lou Luedtke  
Rich Lusignea  
Bobby McConnell

Charlotte McConnell  
**Merrill Minges**  
Zoe Dell Nutter  
Paul Sampson  
Robert T. Schwartz  
Joe Sciabica  
Don Shrader  
Dr. Kathy Stevens  
Dr. Edwin L. Thomas  
Hardy Trolander  
Andrey A. Voevodin  
Roland Watts  
Dr. Benjamin A. Wilcox  
Dennis E. Wisnosky  
Bill Woody

## SAMPE's 16TH GEORGE LUBIN MEMORIAL AWARD

We need to send a shout out to the membership congratulating our own Dr. Charlie Browning on his selection as "SAMPE's 16th George Lubin memorial award winner for contributions over many years with the U.S. Air Force Research Laboratory in Dayton, Ohio, and multiple SAMPE programs." His picture receiving the award was on page 4 of the December 18 issue of *Plastics News* (along with probably other such publications) with a facial shot on the front cover as well. Congratulations Charlie!



**Dr. Charlie  
Browning**

From 1983 to 2005, Charlie was influential in shaping the government's investment strategy relating to the use of composite materials on the F-16, B-1, B-2, F-22 and F-35 aircraft programs.

Currently, he is the chair of the chemical and materials engineering department of the University of Dayton and holding the Torley chair in composite materials.

Sincerely,  
*Don Shrader*  
*AFMMAA Secretary*

## 2017 AFRL FINANCIAL MANAGEMENT ANNUAL AWARD WINNERS

Please join me in congratulating our FY 2017 Air Force Research Laboratory Financial Management (AFRL/FM) and Comptroller Annual Award Winners. Their dedication and recognized contributions are invaluable to the AFRL mission.

- Robert D. Stuart Award for Excellence in Financial Management: Mark Ernst, AFRL/RXF (headed the financial group in AFRL/RX for several years)
- James E. Short Award for Outstanding Contribution to Mentorship and Career Development: Pam Powers, AFRL/RXF
- Outstanding Contribution to FM Comptroller: Michela Spijkers, AFRL/RXF

- Maj Gen Flowers Financial Management and Comptroller Organization of the Year: AFRL/RXF

Winners of the above awards have been forwarded to HQ AFMC for further competition at the Command level.

In addition, the winners of the three AFRL only internal Financial Management annual awards are below.

- Spotlight Award: Kelly Dougan, AFRL/RXF

I would also like to thank the TD FM Directors for their support of the FY 2017 Financial Management Awards program as well as the award committee for their time reviewing and scoring packages. Again, congratulations to all AFRL FM award winners!

*WILLIAM T. COOLEY, Maj Gen, USAF  
Commander, AFRL*

## TONY JENSEN, NEWEST LIFE MEMBER

At the 12 January AFMMAA Winter business meeting, Tony Jensen provided an update on the Defense Planning and Analysis Society (DPAAS). The Society is a joint government and industry venture to improve the processes associated with Defense Planning and Analysis and to provide quality support in this vital area. As advocates for the Defense Planning and Analysis Community, DPAAS meetings serve as a forum for discussion of requirements, research, and testing relative to new capabilities development and sustainment.



**Tony Jensen**

Members of AFMMAA are most welcome to attend DPAAS meetings and workshops.

DPAAS meets each month. Meetings are announced monthly and email invitations are sent to friends and members. Go to [www.dpaas.com](http://www.dpaas.com) and check the DPAAS events page for upcoming meetings and online registration. The website provides information about the Society's purpose, goals, and membership.

Tony Jensen is a new life member of AFMMAA. He is the DPAAS Executive Director and Past President.



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

We currently have 105 Life Members. New “Lifers” (shown below in **Bold**) are **John R. Fenter, Dr. Claudia Hughes-Kropas, John Maguire, Carl “Ed” Snyder,** and **Kermit Stearns.** The Air Force Materials and Manufacturing Alumni Association’s board of directors also voted to award an Honorary Lifetime Membership to **Jorge Gonzalez** as a recognition of outstanding support and partnership with our Materials and Manufacturing Directorate scientists and engineers. 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](http://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. ➡

**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, other current events and your personal replies using “Recent Membership Information” to our Newsletters. We want you to be informed of all these special RX events.

However, we have a problem. Some members have moved or 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@utcd Dayton.com](mailto:nontko@utcd Dayton.com)).

**AFMMAA Charter and Lifetime Members**

**Charter Members**

- |                  |                       |                 |
|------------------|-----------------------|-----------------|
| Dr. Wade Adams   | Dr. Craig Hartley     | Bob Rice*       |
| Bernard Chasman* | Dr. Bill Kessler      | Lynn Trainor    |
| Tom Cooper       | Jim Mattice (SES Ret) | Dr. Ben Wilcox  |
| Dr. Gary Denman  | Dr. James Myers       | John Williamson |

**Lifetime Members**

- |                            |                                  |                            |
|----------------------------|----------------------------------|----------------------------|
| Robert Albrecht            | Dr. Jim Hall                     | Bob Rapson                 |
| Mark Anderson              | Dr. John Henderson               | John Rhodehamel            |
| Dr. Tia Benson-Tolle       | Ed Hermes                        | Dr. Terry Ronald           |
| Dr. Larry Bidwell*         | <b>Dr. Claudia Hughes-Kropas</b> | Dr. Vince Russo            |
| B/Gen (Ret) Phil Bouchard* | Rob Hull                         | Col (Ret) Tim Sakulich     |
| Lyn Brown                  | Dr. Kumar Jata                   | Paul Sampson               |
| Dr. Charles E. Browning    | Anthony “Tony” Jensen            | Dr. Bob Schafrik           |
| Dr. Tim Bunning            | Henry Johnson                    | Stan Schulman              |
| Dr. Larry Butkus           | Warren Johnson                   | George Schmitt             |
| Dr. Dale Chimenti          | David Judson                     | Joe Sciabica               |
| Dr. John Christian         | Dr. Frank Kelley (Hon.)          | Dr. Shashi Sharma          |
| Dr. Bob Cochoy             | Bob Kincses                      | Don Shrader                |
| Dr. Dennis Corbly          | John Koenig                      | <b>Carl E. Snyder, Jr.</b> |
| Tobey Cordell              | Dr. Ed Kuhl                      | Jerry Sieron*              |
| Lt Col (Ret) Ron Decker    | Dr. Bill Lampert                 | George Slenski             |
| Bob Denison                | Cole Litton*                     | Dr. Jim Snide              |
| Matthew DiBiase            | Tom Lockhart (SES)               | John Speers                |
| Robert Drerup, Jr.         | <b>Dr. John Maguire</b>          | Dr. George St. Pierre      |
| Ken Elbaum                 | Dr. Jim Malas                    | <b>Kermit Stearns</b>      |
| Lt Col (Ret) Dick Engman   | Kay March                        | Dr. Katherine Stevens      |
| Kathleen Falensky          | Dr. Michael McCabe               | Donald Tarazano            |
| Frank Fechek               | Bobby McConnell                  | Scott Theibert             |
| Larry Fehrenbacher         | Charlotte McConnell              | Jon Tirpak                 |
| <b>Dr. John R. Fenter</b>  | Dr. Enrique Medina               | Angie Tymofichuk (SES Ret) |
| Dr. Thomas Fiorino         | Dr. Dan Miracle                  | Dr. Andrey Voevodin        |
| David W. Fischer           | Dr. Tom Moran                    | Gary Waggoner              |
| Don Forney*                | Jim Mullineaux                   | Dr. Dave Walker            |
| Dr. Hal Gegel              | Dennis Naughton                  | Dr. Chuck Ward             |
| Col John W. Gloystein      | Dr. Melvin Otmer                 | Dr. Wayne E. Ward          |
| <b>Jorge Gonzalez</b>      | Neal R. Ontko                    | Roland Watts               |
| Henry C. Graham            | Col Charles Ormsby               | Dennis Wisnosky            |
| Dr. Alten (Skip) Grandt    | Dr. Nick Pagano                  | Bill Woody                 |
| Gordon Griffith            | Larry Parsons                    | Col (Ret) Carol Yarnall    |
| Dr. Walt Griffith          | Jerry Petrak                     |                            |
| Lois Gschwender            | Dr. Cyril (Sonny) Pierce         |                            |
| Jeffery Guthrie            | Dilip Punatar                    | *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 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 ALUMNI CORNER**

**Reserved for you!! We are looking for short articles about your experience(s) in the Laboratory or current anecdotal experiences that would be of interest to the AFMMAA members. Depending upon the response, we hope to begin including your articles in the 2018 Fall edition of the AFMMAA Newsletter.**

### **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.