

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

SECOND EDITION

WINTER 2003

## PRESIDENT'S CORNER

Since communicating with you in last spring's Newsletter, your alumni association has made steady progress. Membership is up to 84, which includes 14 Charter Members and 4 Lifetime Members. Last Spring, we awarded two \$500 scholarships. Our current funds are about \$7000. Last June, we held our Annual Meeting and enjoyed visiting with friends in the current ML workforce at their Annual Awards Luncheon held on the same day. We continue to struggle in our attempt to lengthen our list of valid mailing addresses for our alumni. Currently we have about 200 locatable alumni of a list of over 500. In keeping with our mission, we assisted ML in the development of a "Timeline" of key events and accomplishments over its 85 year history. This "Timeline" will be displayed on a wall in both the ML Cafetorium and adjoining conference room. Our participating alumni found it relatively easy to recall most events and accomplishments; the difficult part was to agree on the ten to twelve most important ones in each of the decades since ML's establishment.

Currently, all WPAFB organizations, including ML, are busy preparing for the centennial anniversary of Powered Flight, to be celebrated throughout 2003. Dayton, OH is taking the lead in July 2003, while Kitty Hawk, NC will culminate the celebrations on December 17. That day is the 100<sup>th</sup> anniversary of the Wright Brothers first powered, controlled flight.

The terms of office of your first group of AFMMAA volunteers are ending in June 2003. Some have offered to continue with a second term, but several positions will need new volunteers. All of the tough administrative work of creating the organization is behind us, thanks to the superb work of Tom Cooper (Exec VP), Jerry Kelble (Treasurer), Bob Rice (Secretary), John Williamson (Membership), Jim Mattice (Scholarships), and Doug Hutchens (Newsletter). Please call or E-Mail us with suggestions; we need your help in keeping AFMMAA a growing, vibrant organization.

Phil Bouchard  
President

## TECHNOLOGICAL TIMELINE

ML has been instrumental in the discovery of numerous new materials during practically every decade of the 20<sup>th</sup> Century. Examples are fire resistant parachute materials, super alloys, composites, and many electronic materials. A detailed article will appear in the summer Newsletter.

## So, How Many People Are Assigned to ML

This past summer at the Annual ML Roadmap Review, Dr. Browning briefed the number of people working in ML (both at Wright-Patterson AFB and Tyndall AFB in Florida). At that time the numbers were:

Government	522
IPAs	3
On-Site Contractors	<u>633</u>
Total	1,158

Of the 522 Government people, 14% are Military and 86% are civilian. Of the nearly 400 Scientists and Engineers (S&E's), 32% have Bachelor's Degrees, 38% have Master's Degrees, and 30% have PhD's.

## REMINDER - ANNUAL MEETING

The AFMMAA Annual Meeting will be scheduled for June 2003. We try to schedule it around the ML Awards Banquet – so keep your ears open for the firm date. The major item of business will be the election of officers for the next two years. We will be sending out a reminder as soon as we get a firm date, time and location.

## WHERE IS YOUR AFMMAA MEMBERSHIP CARD

Do you still have your membership card? If you were a single year member, please look at the bottom of the card and see if there is an expiration date. If the expiration date reads 6/30/02 your dues are due for the current year. 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 17 members who have not paid their 2002-

2003 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.**

## ML INDIVIDUAL 2002 ACCOMPLISHMENTS

William Woody, Robert Rapson, Dr. Ted Nicholas, and Dr. Kumar Jata received the Affiliate Societies Council's 2002 Outstanding Engineers and Scientists Award.

John Hagen was presented the Order of Daedalians Flight 89 Annual Weapons Safety Award.

Dr. Claudia Kropas-Hughes was selected as an American Society of Nondestructive Testing Fellow.

Dr. Lee Semiatin was awarded a honorary Doctor of Science degree by the Institute for Metal Physics, Kiev, Ukraine.

Alan Fletcher was selected as the Air Force's winner of the Defense Standardization Program Achievement Award.

Dr John Maguire was selected as a Society of Manufacturing Engineers Fellow.

Dr Timothy Bunning was one of 80 of the nation's top young engineers to participate in the National Academy of Engineering's 2002 Frontiers of Engineering Symposium.

Dr James C. Malas was appointed associate editor of the Journal of Materials Engineering and Performance.

Dr. Gail Brown was selected as the winner of the Air Force Basic Research Award.

Dr Ajit Roy was recognized as a Fellow of the American Society of Mechanical Engineering (ASME).

## AFMMAA MERIT SCHOLARSHIP PROGRAM

The Scholarship Committee, under the leadership of Mr. Jim Mattice, awarded two \$500 scholarships for the 2002/03 academic year. Mr. Ankit Punatar was selected to receive the Chief Scientists Scholarship. Ankit is the son of Mr. and Mrs. Dilip Punatar, MLMT. He is attending Wright State University, studying pre-Med Biology, and intends to become a surgeon. He is a 2001 graduate of Bellbrook High School with a 4.0 GPA, and #1 in his class. Ms. Morgan Webb-Yeates was selected to receive the

Alumni Association Scholarship. She is the daughter of Mr. and Mrs Todd Yeates, MLBP. She is attending Case Western Reserve University and hopes to become an epidemiologist for the Center for Disease Control. She won many awards at Stevens High School in Rapid City, South Dakota and graduated #4 in her graduating class of 400.

These two individuals were recognized at the annual ML Awards Luncheon in June 2002.

## AFMMAA MERIT SCHOLARSHIP PROGRAM FOR 2003

Two AFMMAA Merit Scholarships will be awarded in 2003. Consideration is being given to raising the scholarship amount to \$1000. Eligible recipients are children of Materials and Manufacturing Directorate employees, both Government and current on-site contractors. The first scholarship is called the Alumni Association Scholarship and the second, the Chief Scientists Scholarship, which was created by retired Chief Scientist Dr. Wade Adams. The Chief Scientist Scholarship is awarded to support a student pursuing an accredited degree in a field of science, math, engineering or technology. The Alumni Association Scholarship is open to students pursuing a degree more generally related to the Air Force Science and Technology program, with emphasis on studies directed at materials sciences, manufacturing technologies or associated management specialties (financial, logistics, administrative, etc.).

The criteria to be considered in selecting the recipients includes, among others, scholarship, as evidenced by high school grades, evidence of extra-curricular activities and/or community service, letters of recommendation and evidence of acceptance as a full time student in a College or University. A two-page essay on the importance of science, math, engineering or technology to the Air Force and to our society is also required. Final selection will be made by members of the Scholarship Committee and will include an interview with the candidate. The funds will be sent directly to the college or university of the recipient to be applied towards tuition and fees for the Fall 2003 semester/quarter.

Information concerning the scholarships, including the application form, will be circulated throughout the Directorate with a deadline of 1 May 2003 for submission. The Scholarships will be presented to the recipients in June, at the Directorate's Award Luncheon.

**MISSION OF AFMMAA**

The reasons that AFMMA was organized are to:

- To foster recognition of the importance of the Materials and Manufacturing Technology organizations' contributions to the advancement of materials and processing research and development and manufacturing technology advancements supporting the mission of the Air Force.
- To promote the activities of individuals currently or formerly assigned to AFRL/ML.
- To provide a structure for the exchange of information related to AFRL/ML, its past and present personnel, its past accomplishments, its current activities and future needs.
- To support the current AFRL/ML organization undertaking special projects and activities.
- To provide a vehicle to promote interaction among AFRL/ML and Association members.

**AFMMAA OFFICERS**

- President  
 Phil Bouchard  
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 Executive Vice President  
 Tom Cooper  
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 Secretary  
 Bob Rice  
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 Membership Vice President  
 John Williamson  
 john.williamson@wpafb.af.mil  
 Treasurer  
 Jerry Kelble  
 jkelble@msn.com

**LOSSES FROM THE ML FAMILY**

We regret to report the following passing from the ML Family during 2002:

William Ramke, Lt Col USAFR, retired. September 24, 2002, at the age of 87.

Robert M. Van Vliet, March 16, 2002, at the age of 80.

If you know of others, and would care to share their names, please let us know.

**2002 DEPARTURES**

<u>Name</u>	<u>Sym</u>	<u>Eff Date</u>
<i>Transfer/Resign (13)</i>		
Abernathy, Karen L.	MLQO	07/28/02
Aziere, Dennis E.	MLQO	05/10/02
Chaney, Sally B.	MLR	09/08/02
Conover, Winifred J.	MLSST	10/20/02
Lampert, William V.	MLLP	05/18/02
LeClair, Steven R.	MLMR	11/30/02
Love, Chris	MLR	06/16/02
McDermott, Susan L.	MLQL	02/19/02
Ramey, Michael B.	MLBP	08/02/02
Reinmuller, Donald L.	MLOW	01/07/02
Reynolds, Pamela S.	MLF	06/03/02
Smith, Rhoda L.	MLOW	01/23/02
Wynn, Lynn M.	MLSS	11/17/02
<i>Retirees (12)</i>		
Adams, Walter W.	ML	01/03/02
Arnold, Fred E.	MLBP	09/30/02
Denison, Robert L.	MLPS	09/30/02
Emanuel, Michael A.	MLQO	01/29/02
Evers, Robert C.	MLBP	07/03/02
Jones, Rex L.	MLPSM	05/31/02
Nicholas, Theodore	ML	07/01/02
Ormbrek, Glenn G.	MLMP	09/03/02
Pitstick, Jeffrey L.	MLOW	09/03/02
Theibert, Leo S.	MLBC	09/30/02
Warner, William M.	MLBT	09/03/02
Woody, William R.	MPL	04/03/02