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**ASSOCIATION OF ASPHALT PAVING TECHNOLOGISTS
2016**

W.J. Emmons Annual Award

The Board of Directors announces the recipients of the W.J. Emmons Annual Award of the Association of Asphalt Paving Technologists for the best paper presented at the Annual Meeting in Portland, Oregon, held March 8-11, 2015, to be:

Winner:

Optimizing Laboratory Mixture Design to Improve Field Compaction

by Ali Hekmatfar, Ayesha Shah, Rebecca McDaniel, Gerald Huber,
and John E Haddock

Runner Up:

*Evaluation of Dynamic Modulus in Asphalt Paving Mixtures Utilizing
Small Scale Specimen Geometries*

by Benjamin F. Bowers, Brian K. Diefenderfer, Stacey D.
Diefenderfer

AAPT Scholarship Fund

The Board of Directors announces the 2016 winners of the AAPT Scholarship to be:

Nathan Moore, Auburn University
Kenneth Tutu, Auburn University

APT Board of Directors 2015-2016



From left:

1st Row: Sophie Rowe, Jeyna Rowe, Ronda West, Maria Bonaquist

2nd Row: Matt Corrigan, Audrey Copeland, Gaylon Baumgardner, Geoff Rowe, Randy West, Brian Prowell, Ray Bonaquist

2016-2017 Board of Directors

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Larry Kole

President of the Association in 1977

Larry L. Kole, 85, of Asheville, NC, died peacefully at his home in Givens Estates on Monday, April 25, 2016. Born in Holland, MI, Larry was also a resident of Ann Arbor, MI; Alma, MI; Princeton Junction, NJ; Clifton, VA, and Old Fort, NC, before settling in Asheville, NC, ten years ago. Larry was a Navy veteran of the post WWII Occupation and Rehabilitation Forces in Korea.

He received his BA and MS in Civil Engineering from the University of Michigan. He worked in the International Division of Mobil Oil as a Marketing Manager until his retirement in 1990. He traveled internationally throughout his career.

He was an active member of the Association of Asphalt Paving Technologists (AAPT). He was Secretary from 1963-1969 and served as President in 1977.

Larry was devoted to his wife and family. He was an avid University of Michigan fan and he also enjoyed golf, playing cards, building model trains and grilling.



Byron Ruth

President of the Association in 1986

Dr. Byron Ruth, 85, died on September 29, 2016. Dr. Ruth is survived by his wife, Margarete R. Ruth; son, Boyd and wife, Audrey; daughter, Toni and husband, Jason Husseman.

After graduation from high school, Byron worked in Civil Engineering, part time with the Northwestern Railway, and Northern Illinois Gas Company while pursuing a Bachelor's Degree. Subsequently, in 1956, he was drafted into the US Army, completed basic training and he became an instructor in cartography at the Engineers School at Fort Belvoir, VA. In 1958, he went to Purdue University for a Masters Degree followed by employment on a road project in northern Michigan and research with a modular concrete forming company where he developed new products and received eight patents. In 1961, he became an instructor in Civil Engineering and conducted research, while taking classes and working toward a PhD at West Virginia University until 1970. He then moved to join the faculty at the University of Florida. In the year 2000, he retired as professor emeritus.

He was very active in many technical and professional societies, having served as member and chairman of Committees, Board of Directors, President, and received numerous awards. Dr. Ruth was the President of AAPT in 1986 and received AAPT's Honorary Membership in 2003. In 1996, the National Asphalt Pavement Association bestowed at him 'The Ronald D. Kenyon Research Award' for an extensive and impressive record of research into construction materials, processes that have benefited the hot-mix-asphalt industry.

He has traveled worldwide. He was an avid hunter and angler. In his youth, he owned his own fly-tying business. He enjoyed tying his fishing flies and giving them away. He was very able in wood working, leather tooling and building whatever he needed.



**Introduction of Gerald Huber
2016 Honorary Member of AAPT
by Robert McGennis**

It's my privilege to introduce Gerald Huber as one of the newest Honorary Members of AAPT. I've known Gerry as a professional associate, and most importantly as a friend, for practically our entire careers, over 35 years. A native of Balgonie, Saskatchewan, Gerry was an air cadet at Balgonie High School where he became a pilot even before he graduated. This no doubt influenced his decision to serve Canada by joining the Royal Canadian Air Force. After serving in the RCAF, he matriculated at the University of Saskatchewan, which ultimately led him to graduate with Great Distinction with a Bachelor of Science Degree in Civil Engineering.

Following graduation, Gerry began a ten-year term with Saskatchewan Highways and Transportation. In a posting that foreshadowed his future, he spent six years as the Sask Highways Assistant Surfacing Engineer where he maintained a research role in asphalt materials.

Because this work sparked a keen interest in research, from 1982 through 1984 Gerry took leave from Sask Highways to further his engineering education at The University of Texas at Austin. While at UT, Gerry studied and worked in the area of asphalt materials under the supervision of Dr. Thomas Kennedy, Dr. Freddy Roberts, and Mr. Jim Anagnos, themselves prominent AAPT members and noted asphalt technologists. His research involved investigating the effect of mixing temperature and moisture content on asphalt concrete mixes. Gerry's efforts were rewarded with a Master of Science degree in Civil Engineering from UT.

Gerry returned to Sask Highways from Texas and it was during this time that he was the principal investigator on a research project to study the causes of rutting that had affected some highway pavements in Saskatchewan. This work spawned Gerry's first AAPT paper, "Effect of Asphalt Mix Design Parameters on Rutting

Performance: A Field Investigation.” In 1987, this paper received AAPT’s highest honor, the W. J. Emmons Award.

In 1988, Gerry joined the Asphalt Institute and first served as a district engineer in the Institute’s Minneapolis office, where he became friends with Dr. Gene Skok and Betty. Seeking a role that entailed more focus on research, Gerry transferred to the Institute’s headquarter offices in Lexington, Kentucky, as Associate Director of Research.

Gerry’s time in Lexington was exciting. He was the Institute’s principal contributor to the efforts of the Strategic Highway Research Program. He was re-united with Tom Kennedy who was the Principal Investigator of SHRP’s asphalt research program. Gerry’s SHRP efforts were focused on developing the Superpave mix design system. He was a prominent force in the development of the Superpave gyratory compactor and many of the mix design parameters that remain in use in the Superpave system to this day.

In 1992, Gerry left the Institute for his current position, which is Associate Director of Research for the Heritage Research Group. Gerry has been a life-long advocate of volumetric mix design and QA/QC. His interest in aggregate packing and orientation and its effect on asphalt mixture mechanical properties has spanned his entire career. These and other asphalt technology initiatives at Heritage have taken him to four continents.

Gerry has been active in a number of leadership positions in AAPT, up to and including serving as President in 2001/2002. He also has held numerous leadership roles and contributed to the asphalt technology field in many other organizations. He served on the Board and has been President of CTAA, he chaired ISAP, and has been an active member in ASTM and ASCE. He served as Chair of TRB’s Committee for Flexible Pavement Construction and Rehabilitation. Gerry also has been a member of and/or chaired numerous other professional groups such as the FHWA’s Recycled Asphalt Pavements ETG (chair), the FHWA Sustainable Pavements ETG, the FHWA Superpave Mixtures ETG, NCAT’s Applications Steering Committee and the Canadian User Producer Group for Asphalt (chair).

Throughout his career, Gerry has been tireless in transferring the important results of his work to the asphalt pavement technical community. He has published over 30 journal articles, which includes eight papers for AAPT, ten for CTAA, and nine for TRB. He authored two NCHRP syntheses, one on the performance of open graded friction courses and another on rut resistant pavements. Throughout his career, he has averaged a remarkable one asphalt technology journal paper per year.

More than anything, Gerry has maintained a life-long passion for asphalt materials and the fundamental technology that supports their use. Because of this and his many contributions to AAPT and the asphalt technology field, I believe he deserves to be recognized as an Honorary Member of AAPT.

Gerald Huber Remarks

Ladies, Gentlemen, Members of AAPT and Guests,

Growing up in a town with a population of 450 in rural Saskatchewan that didn't have running water and sewer until 1963, that didn't have paved streets until 1985, that still doesn't have sidewalks, I could not have guessed that I would be addressing you tonight as one of the newest Honorary Members of AAPT. Thank you for the honor you bestow on me tonight.

Yesterday, Sarah Fisher (retired Indy car driver) talked about passion. Passion creates excellence. There are two ways to achieve excellence:

- Strive for it. Set high goals for yourself and meet your expectations. That's what the world would say.
- But the second way is better. Have passion for what you do. Care about what you do and excellence will follow.

Invest in things that cannot be taken away.

Although I am honored by this award, what will it mean 100 years from now? And even if I was to do something great, in time my name will be forgotten. And what I have done will be forgotten. It doesn't last.

So what lasts?

Money? Money is the ultimate imposter. It seems to give us power but at the end of our lives, it has no value and will be taken away from us.

Intelligence? Intelligence doesn't last.

Beauty? Beauty fades with time and is extinguished like a smoldering wick.

Power? No.

So what lasts? Memories last.

When we die, everything physical is taken away from us. But our mind, our soul, our memories live on forever.

Did you hear what Sarah said yesterday? Invest in people. And give them all the training and tools you can afford.

So, how did I get here tonight?

When I worked for Saskatchewan Highways my boss, Roger Oberg, asked me to debate in a management meeting. The issue of the day was cross-training. We were to be posted in different positions: construction, design, geotech, lab, etc. And I had to speak in favor of cross-training.

In that talk the image I used was that of a paper bag on my head. I could remember as a child putting a paper grocery bag over my head. I don't know if you have done that, but it is really very cozy inside.

The light filtering through the bag is pleasant. It is warm inside the bag from our breath. And everything inside the bag is known. But if only you have the courage to lift the bag, there is a whole world outside.

That was the image I used in the debate. That became my mantra. I would not live with a paper bag over my head.

“So, what’s your five-year plan?” people will sometimes ask. And if asked we will often answer with something because we think we should have a plan. I don’t have a five-year plan. My plan is to be open to changes and opportunities that come.

At Saskatchewan Highways I took a job in Capital Planning. People told me I was wasting my engineering degree. But during my time there I was in a meeting one day where the Pavement Engineer, Garry Heiman, was completely wrong in a statement he made. Afterward I told him I didn’t understand and after a while of trying to explain he said, “Oh, I guess it doesn’t work that way.”

Six months later he offered me a job working for him. It required a Master’s degree for which they would send me to university. Rather than go to the local university we (Val and I) decided to go elsewhere. Now eight months earlier we had just moved into a new house that we had designed and built but decided that we could build another. We had one child, Amie, who was three years old so moving the family was doable.

Ralph Haas (professor from University of Waterloo) directed me to Tom Kennedy at the University of Texas. That’s where I met Bob McGennis. He had just finished his Master’s degree when I arrived to start mine.

After moving back to Saskatchewan I stayed in touch with Bob. I shared a report I had done on rutting. It was Bob who suggested that I submit it to AAPT and it was accepted.

So the next question was: Who should present it? My boss was a poor speaker and besides, I had done all of the work. Still, he was the only person who attended from Saskatchewan Highways. Then he made the offer, “If you can get there, you can present it.” Bob’s response to the news, “There’s two beds in a hotel room. You can have the other one.”

So, how did I get there? I decided to drive 1,430 miles from Regina, Saskatchewan, to Reno, Nevada, to get to the meeting. I drove straight through taking 24 hours.

And who was in the audience? Tony Kriech and Fred Fehsenfeld Sr, who was Chairman of the Asphalt Institute that year.

So, next year, the Asphalt Institute is looking for an engineer. Bob McGennis says, “I know this guy in Canada....” And, Fred Fehsenfeld says, “I heard him speak at AAPT. Do whatever you need to do to get him.”

Five years later, Fred Fehsenfeld Jr. says, “My Dad got you to the Asphalt Institute and so he would never talk to you about coming to work for us. But I am not my father.” And so I came to Heritage Research in 1992.

Roger Oberg, Garry Heiman, Ralph Haas, Tom Kennedy, Bob McGennis, Fred Fehsenfeld Sr., Fred Fehsenfeld Jr., Tony Kriech. Each of them affected the direction of my life.

And what about AAPT? Jim Scherocman called by at Sask. Highways and talked about asphalt. Byron Ruth guided me. Gene Skok helped.

The memories you make, the impact you have will last beyond this world, will last into the next world.

I have spoken of my work life. On the personal side, I am glad for my wife, Val. Our first meeting was when I mistook her on the university campus for someone in my high school class.

I am most proud of my children.

- Amie and her husband Mike, who are here tonight.
- Virginia and her husband, Kevin, also known as “Jumbo” who you saw in the band last night. And their new son, Fletcher.
- Alex and his wife Melissa who could not be here from Denver tonight.

To all of you,

Members and Guests of AAPT,

I say, “THANK YOU!”



**Introduction of James Moulthrop
2016 Honorary Member of AAPT**

by R. Gary Hicks

It is my pleasure to introduce James S. Moulthrop as AAPT's newest Honorary Member of AAPT. I have known Jim as a friend and colleague for over 30 years and he is certainly deserving of this award. Jim received his B.A. in Geology from St. Joseph's College in 1960 and his M.S. in Geology from Kansas State University in 1963 where he met his lovely wife Marty. Jim's interest in pavements and asphalt materials began in Pennsylvania in the 1970's where he eventually rose to the positions of State Materials Engineer and State Maintenance Engineer. He is a registered Professional Engineer in Pennsylvania and Arizona.

During his career he has held several positions, both in a state agency and later as a consultant. He is currently a Senior Consultant with Fugro and serves as Principal Investigator and Project Manager for a number of pavement related research projects including projects for NCHRP and FHWA. He also serves as the Executive Director of the Foundation for Pavement Preservation (FP² Inc.), a national organization promoting the use of pavement preservation treatments. Prior to joining Fugro, he had an extensive career in the transportation field with an emphasis in asphalt technology having worked with Koch Materials Co., the University of Texas at Austin (Program Manager of the SHRP Asphalt Research program), Exxon Chemical Americas, Lubrizol Corporation, and the Pennsylvania Department of Transportation.

He is currently serving on several Transportation Research Board Committees and was the Past Chair of the Bituminous Materials Section, AFK00. He is also actively involved with ASTM D-4, Road and Paving Materials Committee where he served as Chairman of D-4, and the Association of Asphalt Paving Technologists where he served as President. He is also Chair of the Advisory Board for the National Center for Pavement Preservation at Michigan State University and is also a member of the University Transportation Center (UTC) for Highway Pavement Preservation at the University. He also is an industry member of the FHWA Pavement Preservation Expert Task Group (ETG) and the FHWA Emulsion Task Force (ETF).

As mentioned earlier, Jim has been active in several organizations including the following

- Transportation Research Board, Committees AFK40, AHD20, AFK50, AFH20
- American Society of Highway Engineers, Harrisburg, Pennsylvania Chapter
- ASTM International
- Association of Asphalt Paving Technologists
- Canadian Technical Asphalt Association.
- FP2
- FHWA ETG and ETF

He has also been the recipient of several awards from these organizations including:

- Association of Asphalt Paving Technologists, 1999 Award of Recognition
- Federal Highway Administration “Partnership in Excellence” Award, 1999
- FP² Inc., Pavement Preservation Hall of Fame Award, 2012
- Alaska Department of Transportation and Public Facilities, Gold Pan Award, 2013.

As you can easily see, Jim has accomplished much during his career and is very deserving of this distinguished award. Please welcome my friend and your newest Honorary Member of AAPT.

James Moulthrop Remarks

My comments won't be as profound as Gerry's since my five-year plan is to retire!

Thank you, Gary, for the nomination and the fine and humorous introduction. I also want to thank the Board and members of this great association for bestowing this prestigious award on me.

Over the course of my 50+ year career, I have been privileged to work with, or associate with, the best and the brightest minds in the field of asphalt technology and many of you are in this room tonight. My sincere thanks for your kindness, friendship, and generosity.

In the preparation of these comments, I took the opportunity to glance back at the remarks that previous honorees have made. They were poignant and concise but several I would like to reiterate.

The Board has done a tremendous job in making the newer and younger members welcome and appreciated—after all, they are the future of this organization. Compared to ten years ago, it is amazing.

The encouragement of people to get involved, ask questions, interact. I know it can be intimidating to go to the center microphone and ask questions or make comments. So make your way during the various breaks or receptions to introduce yourself to someone you want to meet and use

the opportunity to ask your questions or provide your comments or observations.

As Mike Anderson has mentioned on numerous occasions, and Gene before him, AAPT is more like a large and friendly family unlike many organizations I am affiliated with. Take advantage of the opportunity to become part of the family.

Speaking of family, a very special thanks to mine and especially my sweetie pie of 52+ years, Marty, for her support and encouragement during my working life.

