

contributed more than 20 papers at section meetings, and participated in various MAA summer seminars and institutes. Professor Heuer has published two dozen papers, many in MAA publications, refereed papers for several journals, and contributed numerous problems and solutions to *The American Mathematical Monthly* and *Mathematics Magazine*. As a teacher, coach, and lecturer he has had a positive influence in encouraging young mathematically talented students to pursue careers in mathematics and related fields.

It is a pleasure to award this Certificate of Meritorious Service to Gerald A. Heuer on behalf of the North Central Section and the Mathematical Association of America.

Response from Professor Heuer

I am thrilled to be honored in this way by my colleagues in the MAA. I have always valued my MAA membership very highly, and all of the things which the Citation cites as service to the MAA are things which have enriched my life and which I did out of my fondness for mathematics.

Citation

Clifford A. Long, Ohio Section

Clifford A. Long is Professor of Mathematics and Statistics at Bowling Green State University, where he has been since 1959. He received his B.S., M.S., and Ph.D. from the University of Illinois, where he wrote his dissertation under the direction of Pierce W. Ketchum.

Professor Long has regularly participated in the meetings and activities of the Section for 35 years and has served the Section in many ways all during that time. He has served as Section Governor (1988–91), Chair of the Section and of the Program Committee, and as a member of a number of committees of the Section. He has participated in panel discussions, presented many papers, and made arrangements for meetings and short courses. He has been a mainstay of the Section and can always be counted on to help out cheerfully and provide leadership whenever needed.

Professor Long has been very active in mathematics and its teaching. He has published articles in all three MAA journals. For many years he has been interested in the mathematics of computer-aided geometric design and the role of computers, graphics, and visualization in the teaching of mathematics. He has been a pioneer in these areas.

He first taught calculus with computers using the CRICSAM approach in 1970 and now is teaching calculus using *Maple* and *True BASIC* and numerical analysis and linear algebra using *Matlab*. He built a classroom computer display cart in the early eighties and has recently led the design and implementation of a microcomputer lab for teaching mathematics.

During 1972–74 he participated in an NSF Institute, “Computer Graphics for Learning Mathematics”, at Carleton College. This, and his work at Ford in the mid-seventies on Bézier curves and surfaces, were pivotal events in his professional career, affecting both his mathematical interests and his approach to teaching. He is noted for his many physical models and wood carvings that give insight into visualizing mathematical ideas and has developed many film loops, slides, and models. He even has his own mini-milling machine in his office. His latest interests are in mathematics and art.

We are proud to award Clifford A. Long this Certificate of Meritorious Service.

Response from Professor Long

My involvement with the MAA, its publications, and the activities of the Ohio Section have been highlights of my professional career. We are fortunate to have such a great professional society supporting mathematics and its teaching.

Citation

Paul T. Mielke, Indiana Section

Paul T. Mielke lives in Crawfordsville, Indiana, where he is Professor Emeritus of Mathematics at Wabash College. He attended Wabash College, from which he received his bachelor's degree, and he earned his Ph.D. at Purdue University, where he specialized in analysis. His mathematical career, except for a brief period he spent working in the aircraft industry, has been concentrated on the mathematical education and enlightenment of young people, especially at Wabash College. As Chairman, he led his department through a significant period of growth and was influential in starting the college's computer center.

During his nearly five decades of membership in the Mathematical Association of America, Professor Mielke has actively contributed at the national and sectional levels. Both informally and formally, he has been a constant source of organization, decorum, and inspiration within the Indiana Section. He served the Section as Secretary-Treasurer (1960–