

The Burt L. Newkirk Award

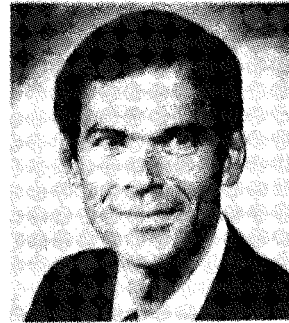
*Conferral at the Joint Lubrication Conference, October 15-18,
1979 in Dayton, OH*

THE BURT L. NEWKIRK AWARD was established in 1975 to honor an individual under 35 years of age, who has made a notable contribution to the field of tribology in research and development as established by papers accepted for publication in the ASME JOURNAL OF LUBRICATION TECHNOLOGY.

DR. THOMAS A. DOW, Research Scientist, Battelle Memorial, Columbus, Ohio, *"For his fundamental work encompassing the areas of metal-working lubrication, elastohydrodynamics and tribology which is recognized by industry as a valuable contribution towards a better understanding of those factors affecting the cost, reliability and efficiency of modern metal working technology."*

Dr. Dow has been with Battelle's Columbus Laboratories since 1971. His work has been primarily in the study of tribology, friction, lubrication and wear. His current research involves wear in disk and on-tread railroad brakes; the study of oil-in-water emulsions; wet rubber friction; piston ring lubrication; and the pressure and temperature distribution in gears, ball bearings and journal bearings.

A registered professional engineer in the state of Ohio, Dr. Dow received his bachelor's degree in mechanical engineering in 1966 from Virginia Polytechnic Institute. In 1968 he earned his master's from



Thomas A. Dow

Case Institute of Technology, and in 1972 his Ph.D. from Northwestern University.

A member of ASME, Dr. Dow has worked with the Society's Metal-working Lubrication Committee, which he chaired in 1972. Since then he has served as an ASME representative to the Joint Lubrication Conference, sponsored by ASME and the American Society of Lubrication.