

## **CAG Award for Scholarly Distinction in Geography**

### **Dr Wayne Robert Rouse**

Dr. Wayne Robert Rouse is an excellent scientist, of international standing, with a fine record of climatological research undertaken over the past 35 years.

Educated at McMaster and McGill, and trained at the Thornthwaite Laboratory, before taking up a university appointment, Wayne had a solid foundation in climatology and this has enabled him to conduct research on a broad range of topics. These include air pollution in urban areas, radiation and water budgets of agricultural land, advection in littoral zones, microclimatology in the boreal zone and climatic change impacts. Outstanding among these contributions is his work on evaporation and energy balance in the subarctic.

Wayne pioneered field research on the evaporation of high latitude sites, including woodlands, tundra, wetland and lake surfaces. This work has expanded to encompass the micro-climate of the Arctic tree line, the micro-climatic changes accompanying burning in the subarctic woodland, and methane production in wetlands. His accomplishments have established him as an authority on subarctic microclimatology. Latterly, he has assumed a major role as Principle Investigator in the Canadian GEWEX - Global Energy and Water Cycle Experiment, 1997-2000, and coordinates the research of colleagues in other Canadian Universities. The focus of this major project, which is a contribution to the World Climate Research program, is on the combined energy and water balance of high altitudes, using the Mackenzie Basin as the target area.

His scholarly achievements, his leadership in research and the service he has rendered to the scientific community make Dr. Wayne Rouse a worthy recipient of the CAG Award of Scholarly Distinction.