EDITORIAL

L.H. ERBE AND H.I. FREEDMAN

As its name suggests, the Second Geoffrey J. Butler Memorial Conference in Differential Equations and Mathematical Biology is dedicated to the memory and honor of our friend and colleague, Geoff Butler, who passed away at the age of forty-two on July 13, 1986 after a brief illness. His love of mathematics and mathematical education is well evidenced by his published works and his involvement with the Canadian and International Olympiads.

Shortly after his death, it was decided to have the first conference in Geoff Butler's memory. This conference took place from June 20–25, 1988, on the campus of the University of Alberta in Edmonton. The success of this conference led the organizers to agree a second time to hold a conference on the same themes, and thus four years later, the Second Butler Conference took place June 17–20, 1992. The Department of Mathematics and the Applied Mathematical Institute supplied facilities, supplies and secretarial and other help during both the planning and the conference periods. The steering committee of the conference consisted of J.F. Addicott, W. Allegretto, L.H. Erbe (co-chairman), H.I. Freedman (co-chairman), J.W. Macki, J. Muldowney, J. So, and C. Strobeck.

Previous to the conference, the Department of Mathematics established the Geoffrey James Butler Memorial Lectures to be given upon occasion by distinguished people on topics related to Geoff Butler's work. The first of these occurred at the previous conference when Professor Paul Waltman of Emory University, Atlanta, Georgia, gave three lectures under the title, *Competition in Chemostat-Like Models.* At the second conference, the Geoffrey James Butler Lectures were given by Jean Mawhin of Université Catholique de Louvain, Belgium, who gave three lectures under the titles *The Use of Topological Degree Techniques, The Use of Critical Point Theory, and The Use of Poincaré-Birkhoff Type Theorem.*

This issue of the Rocky Mountain Journal of Mathematics forms the Proceedings of the conference. After the List of Participants

appears Professor Mawhin's paper, followed by all other accepted papers (alphabetically by author).

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