



Pictured above are many of those who attended the Sixteenth Summer Symposium at Wolfville, Nova Scotia, Canada. Can you spot the first-timer?



Here we see the (nicely dressed) conference host, Terry Pearson, as he presents the annual Andy to this year's recipient, the surprised yet worthy winner, Peter Bullen.

**Report on the  
Summer Symposium in Real Analysis XVI  
Acadia University  
Wolfville, Nova Scotia  
August 13–15, 1992**

The Sixteenth Summer Symposium in Real Analysis was held August 13–15, 1992 on the campus of Acadia University in Wolfville, Nova Scotia. Terry Pearson served as host and conference organizer with assistance from Brian Thomson. The hospitality of Terry and his wife Linda, the hospitality of Acadia University, the beauty of Nova Scotia, the participants, and the mathematics discussed (formally and informally) made this meeting a memorable one. The support of the Office of the Dean of Pure and Applied Science (Michael Leiter) and of the Office of the President (James Perkin) of Acadia University are gratefully acknowledged. Furthermore, Terry's efforts before, during, and after the conference are warmly appreciated.

The conference featured invited hour addresses by:

**CHRIS FREILING** (*San Bernardino*)

**HANS HEINIG** (*Hamilton*)

**S. JAMES TAYLOR** (*Charlottesville*)

**CLAUDE TRICOT** (*Montréal*)

as well as eighteen twenty-five minute contributed talks. Social highlights included a bus excursion of natural and historical sites in the Wolfville area, a delightful buffet at the Pearson's home, and, of course, the traditional symposium banquet. At this year's banquet Terry Pearson recognized Professors Pieter Maritz and Peng Yee Lee for having travelled the greatest distances to attend the conference. Terry then asked Cliff Weil, Managing Editor of the **Exchange** to announce this year's recipient of the **Andy Award**, who is

**Peter Bullen.**

The participants at the symposium included:

Aliasghar Alikhani-Koopaei (*Isfahan, Iran*), John Baker (*Waterloo, Ontario*), George Bauer (*Minneapolis, Minnesota*), Jack Brown (*Auburn, Alabama*), Peter Bullen (*Vancouver, British Columbia*), George Cross (*Waterloo, Ontario*), Udayan Darji (*Raleigh, North Carolina*), Michael Evans (*Raleigh, North Carolina*), Henry Fast (*Detroit, Michigan*), Hajrudin Fejzic (*East Lansing, Michigan*), James Foran (*Kansas City, Missouri*), Chris Freiling (*San Bernardino, California*), Hans Heinig (*Hamilton, Ontario*), Ralph Henstock (*Ulster, Northern Ireland*), Tamas Keleti (*Budapest, Hungary*), Aleksandr Krapez (*Belgrade, Yugoslavia*), Peng Yee Lee (*Singapore*), Dorothy Maharam Stone (*Boston, Massachusetts*), Pieter Maritz (*Stellenbach, South Africa*), Sandra Meinershagen (*Maryville, Missouri*), Terry Pearson (*Wolfville, Nova Scotia*), Harvey Rosen (*Tuscoloosa, Alabama*), Karen Saxe (*St. Paul, Minnesota*), Don Spear (*Milwaukee, Wisconsin*), Arthur Stone (*Boston, Massachusetts*), S. James Taylor (*Charlottesville, Virginia*), Brian Thomson (*Vancouver, British Columbia*), Timothy Traynor (*Windsor, Ontario*), Claude Tricot (*Montréal, Québec*), Robert Vallin (*Slippery Rock, Pennsylvania*), and Clifford Weil (*East Lansing, Michigan*).

The program of the Wolfville Symposium is reproduced on the next three pages and is followed by summaries of the talks. The editorial board of the **Exchange** wishes to thank the speakers for preparing these summaries.

**PROGRAM of the WOLFVILLE SYMPOSIUM**

(The page number in the right hand column refers to the page of this issue on which a summary of the presentation is located.)

**Thursday Morning: Host: C. Weil**

08:45 – 09:00 Welcoming remarks by T. Pearson

09:00 – 10:00 *S. J. Taylor* ..... p. 12  
                     The fractal analysis of products  
                     and projections of measures

10:20 – 10:45 *P. Bullen* ..... p. 13  
                     Generalized Lebesgue points

10:45 – 11:10 *H. Fast* ..... p. 15  
                     The problem of integral-  
                     geometric uniqueness

11:10 – 11:35 *J. Foran* ..... p. 17  
                     On the translates of a set which meet  
                     it in a set of positive measure

11:35 – 12:00 *R. Henstock* ..... p. 18  
                     Measure spaces and division spaces

**Friday Morning: Host: M. Evans**

09:00– 10:00 *H. Heinig* ..... p. 19  
                     Weighted inequalities in function spaces

10:20 – 10:45 *P. Maritz* ..... p. 21  
                     Extreme points and the complexity  
                     theorem of A. A. Lyapunov

10:45 –11:10 *D. Spear* ..... p. 22  
                     A construction which controls dimensions

**Friday Afternoon: Host: C. Weil**

- 13:30 – 14:30 *C. Freiling* ..... p. 23  
 Totalization: Newton's problem  
 and Fourier's problem
- 14:50 – 15:15 *P. Lee* ..... p. 25  
 The stochastic integrals of  
 Itô and Henstock
- 15:15 – 15:40 *S. Meinershagen* ..... p. 26  
 Packing measures in different bases  
 and probability theory
- 15:40 – 16:15 *R. Vallin* ..... p. 28  
 An introduction to shell porosity

**Saturday Morning: Host: B. Thomson**

- 09:00 – 09:25 *A. Alikhani-Koopaei* ..... p. 30  
 On the Baire class of  $E$ -derivatives  
 and extreme  $E$ -derivatives
- 09:25 – 9:50 *H. Fejzic* ..... p. 32  
 On approximate Peano derivatives
- 10:10 – 10:35 *J. Brown* ..... p. 34  
 More on intersections of continuous  
 functions and smooth functions
- 10:35 – 11:00 *J. Baker* ..... p. 35  
 Questions concerning the inverse  
 function theorem
- 11:00 – 11:25 *D. Maharam Stone* ..... p. 36  
 Decreasing sequences of  $\sigma$ -fields
- 11:25 – 11:50 *A. Stone* ..... p. 37  
 Baire domination

**Saturday Afternoon: Host: *B. Thomson***

- 13:30 – 14:30 *C. Tricot* ..... p. 281  
Length and fractal dimension  
of parametrized curves
- 14:50 – 15:15 *T. Keleti*..... p. 38  
The mountain climber’s problem and  
the complexity of continuous functions
- 15:15 – 15:40 *U. Darji* ..... p. 40  
Symmetric behavior in functions
- 15:40 – 16:15 *H. Rosen* ..... p. 42  
Dense extendable connectivity functions
- 18.30 Closing of the Summer Symposium and Symposium Banquet