

## FIFTH SUMMER SYMPOSIUM ON REAL ANALYSIS

The Fifth Summer Symposium on Real Analysis was held on the campus of the University of Missouri-Kansas City from May 29 until June 2, 1982. The theme of the conference was Non Absolute Integration and featured a series of nine lectures on the subject by Professor Peter S. Bullen of the Department of Mathematics at the University of British Columbia. A Topical Survey based on these lectures will appear in a future issue of the Exchange. In addition to Professor Bullen's lectures, there were a number of twenty minute contributed papers. A list of participants and a symposium program can be found below. The symposium was hosted by the Department of Mathematics at U.M.K.C. and the conference director was Professor James Foran.

Participants included P.S. Bullen, M.J. Evans, R.J. Fleissner, J. Foran, K.M. Garg, D. Hancock, P.D. Humke, L. Larson, P. Leibnitz, C.M. Lee, W. Miley, R.J. O'Malley, D. Solomon, B. Thomson, C. Weil.

## FIFTH SUMMER SYMPOSIUM ON REAL ANALYSIS

Department of Mathematics - University of Missouri-Kansas City

May 29 to June 2, 1982

Saturday, May 29

9:00 Coffee and Donuts

9:50 Introductory Remarks  
Professor Paul Liebnitz

10:00 NON ABSOLUTE INTEGRATION, BASIC TECHNIQUES  
Professor P.S. Bullen

1:00 BASIC TECHNIQUES (con't)  
Professor Bullen

2:30 REMARKS ON THE DENJOY INTEGRAL  
Professor J. Foran

Sunday, May 30

9:00 Coffee and Donuts

10:00 TRIGONOMETRIC INTEGRALS  
Professor Bullen

- 1:00 TRIGONOMETRIC INTEGRALS (con't)  
Professor Bullen
- 2:30 SETS WHERE UNILATERAL DERIVATES DIFFER  
Professor P.D. Humke
- 3:00 REPRESENTING CHARACTERISTIC FUNCTIONS WITH DERIVATIVES  
Professor C. Weil

Monday, May 31

- 9:00 Coffee and Donuts
- 10:00 INTEGRATION BY PARTS  
Professor Bullen
- 1:00 INTEGRATION BY PARTS (con't)  
Professor Bullen
- 2:30 REPRESENTING BAIRE 1 FUNCTIONS WITH DERIVATIVES  
(A report on a paper by Preiss)  
Professor Weil
- 3:00 REMARKS ON MONOTONICITY THEOREMS  
Professor M.J. Evans

Tuesday, June 1

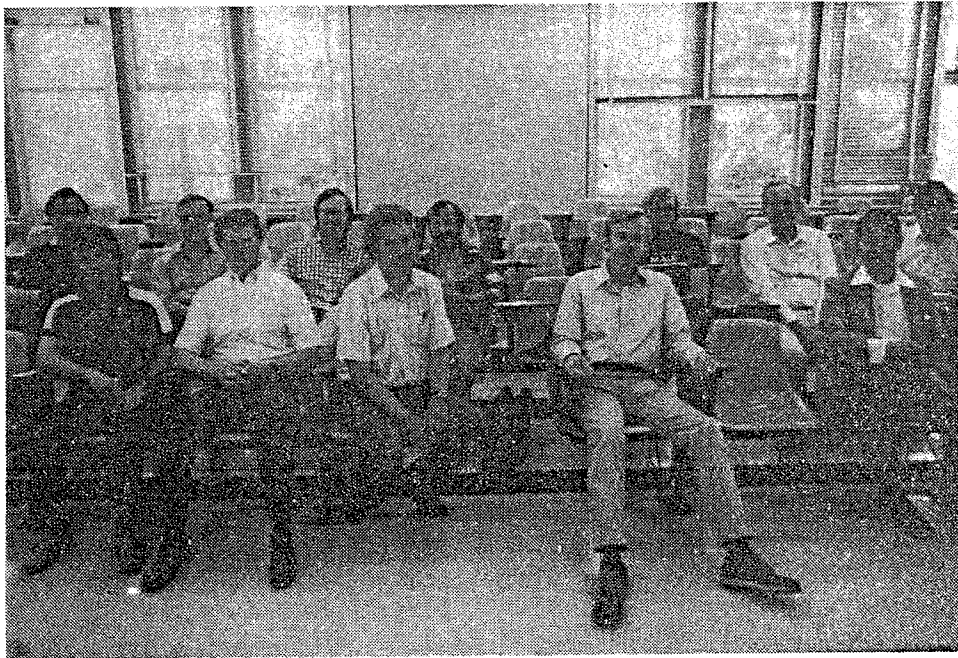
- 9:00 Coffee and Donuts
- 10:00 THE MARCINKIEWICZ-TOLSTOV THEOREM  
Professor Bullen
- 1:00 THE MARCINKIEWICZ-TOLSTOV THEOREM (con't)  
Professor Bullen
- 8:00 BANQUET  
Presentation of the ANDY to  
Professor Richard Fleissner

Wednesday, June 2 9:00 Coffee and Donuts

- 9:30 CONCLUDING COMMENTS AND PERSPECTIVES  
Professor Bullen
- 10:30 REMARKS ON THE RIEMANN-COMplete INTEGRAL  
Professor B.S. Thomson

It should be noted that lively discussion sessions followed each lecture.

PARTICIPANTS: Real Analysis Symposium, Kansas City, Missouri, 1982.



From left to right: R. Fleissner, W. Miley, B. Thmson, M. Evans, P. Humke, J. Foran, K. Garg, D. Hancock, L. Larson, P. Bullen, D. Solmon, and C-M. Lee. Not pictured: P. Leibnitz, R. O'Malley, and C. Weil.



Conference director, J. Foran, presents the adolescent Andy to R. Fleissner who then delivered a (what seemed to some to be) well rehearsed acceptance speech.