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CURRICULUM VITA

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EDUCATION:

B.S. with Honors	Davidson College	1960
M.S.	University of Washington	1962
Ph.D.	University of Washington	1966

THESIS ADVISOR: J. M. G. Fell

THESIS TITLE: A Description of the Topology on the Dual Space of
 Certain Locally Compact Groups

PUBLICATIONS:

Books

1. with W. Fulks, *Fourier Analysis*, Anjou Press, Boulder, CO, 1979, pp. 192.
2. *Functional Analysis, A Primer*, Marcel–Dekker, New York,, 1991, pp. 266.
3. Co-edited with David R. Larson, *Contemporary Mathematics, The functional and harmonic analysis of wavelets and frames*, American Mathematical Society,, Providence, 1999, pp. 307.
4. *Analysis of Functions of a Single Variable*, Available on-line..

Articles

- [1] *A weak containment theorem for groups with a quotient R-group*, Trans. AMS **128** (1967), 277–290.
- [2] *A description of the topology on the dual space of certain locally compact groups*, Trans. AMS **132** (1968), 175–215.
- [3] *Hilbert–Schmidt representations of groups*, Proc. AMS **21** (1969), 502–506.
- [4] *A note on groups with finite dual spaces*, Pacific J. Math. **31** (3) (1969), 569–472.
- [5] *A separable group having a discrete dual space is compact*, J. Func. Anal. **2** (1972), 131–148.
- [6] *(*)Multiplier Representations of Abelian Groups*, J. Func. Anal. **3** (1973), 299–324.
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- [16] with A. Ramsay, *Some pathology on Mackey’s theory for non-separable groups*, J. Func. Anal. **39** (1980), 375–380.
- [17] with T. Sund, (*) *The Hausdorff dual problem for Connected Groups*, J. Func. Anal. **43** (1981), 60–68.
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- [19] *On the continuity of Mackey’s extension process*, J. Func. Anal. **56** (2) (1984), 233–250.
- [20] *Unimodularity and atomic Plancherel measure*, Math. Ann. **266** (1984), 513–518.
- [21] with A. Ramsay and W. Mitchell, *Representations of the discrete Heisenberg group and cocycles of an irrational rotation*, Mich. Math. J. **31** (1984), 263–273.
- [22] (*) *Measures invariant under a linear group*, Proc. AMS **94** (1985), 179–186.
- [23] with K. Merrill, *Representations of the Mautner group and cocycles of an irrational rotation*, Mich. Math. J. **33** (1986), 221–229.
- [24] *On Circle-Valued Cocycles of an Ergodic Measure-Preserving Transformation*, Isr. J. Math. **60** (1) (1987).
- [25] *A Note on Virtual Amenability for Groups*, Colloquia Mathematica **LVI** (1988), 129–136.
- [26] with K. Merrill, *Equivalence of Cocycles under an Irrational Rotation*, Proc. Amer. Soc. **104** (1988), 1049–1053.
- [27] *On Functions that are Trivial Cocycles for a Set of Irrationals*, Proc. Amer. Math. Soc. **104** (1988), 1211–1215.
- [28] (*) *A Functional Analytic Proof of a Borel Selection Theorem*, Jour. Func. Anal. **94** (1990), 437–450.
- [29] (*) *Processing a Radar Signal and Representations of the Discrete Heisenberg Group*, Colloquium Mathematicum **LXI** (1990), 195–203.
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- [41] with H. Medina and K. Merrill, *Generalized Multiresolution analyses and a construction procedure for all wavelet sets in \mathbb{R}^n* , Journal of Fourier Analysis and Applications **5** (1999), no. 6, 563-573.
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Ph.D. STUDENTS:

1. Kenneth Joy, 1977
2. Wesley Mitchell, 1979
3. Kathy Merrill, 1983
4. Peter Ohring, 1987
5. Mark Willis, 1993
6. Melissa Richey, 1999
7. Jennifer Courter, 1999
8. Eric Weber, 1999
9. Sharon Schaffer, 2000.
10. Curtis Caravone, 2001.
11. Keri Kornelson, 2001.
12. Veronika Furst, 2006.