Scholarship of Leon M. Hall

Publications


26. *Calculus with Analytic Geometry I*, (with M.E. Kirgan), Center for Independent Study, Extension Division, University of Missouri, (Revision of the study guide for the University of Missouri Independent Study Calculus I course), 1998.


**Accepted for Publication, but Not Yet in Print**

**Submitted for Publication or in Preparation**

1. Exponentials, polynomials, and series on time scales (with B.D. Haile), in preparation.
Other Writing

1. *Notes on the Great Theorems*, Text for General Honors Seminar on The Great Theorems in Mathematics, Department of Mathematics and Statistics, University of Missouri-Rolla, 1987, and UMR Math 381, Great Theorems in Mathematics, 1998-

2. *Special Functions*, Lecture notes for UMR Math 483, Special Functions; available online at http://lmhall.math.umr.edu/SPFNS/spfns.html

Electronic and Media Productions

1. Spirograph Mathematics, January 9, 1992. This is one show in the television series Teachers to Teachers, produced by UMR and KCPT-TV, Kansas City, and distributed to public television stations nationwide by SERC, the Satellite Educational Resources Consortium. The series presents current and innovative issues in specific content areas designed to benefit secondary school teachers. For each show, in addition to the live broadcast, a 15 minute videotape and supporting printed material, designed for use in the classroom, is available.

2. What Good is a Square Wheel? January 16, 1992. This is one show in the television series Teachers to Teachers, produced by UMR and KCPT-TV, Kansas City, and distributed to public television stations nationwide by SERC, the Satellite Educational Resources Consortium. The series presents current and innovative issues in specific content areas designed to benefit secondary school teachers. For each show, in addition to the live broadcast, a 15 minute videotape and supporting printed material, designed for use in the classroom, is available.

3. 20,000 Problems Under the Sea Database, July 1998. I volunteered (on behalf of the UMR Mathematics and Statistics Department) space and a dedicated computer so that this database of over 20,000 problems from many sources could be available on the world wide web at http://problems.math.umr.edu. The database itself is maintained by Mr. Mark Bowron.

Published Problem Solutions

