

## TABLE OF CONTENTS

<b>Editor's Preface</b>	
M. Hazewinkel	vii
<b>Preface</b>	
R. Askey	xi
<b>Jacobi Functions and Analysis on Noncompact Semisimple Lie Groups</b>	
T. H. Koornwinder	1
<b>Orthogonal Polynomials and Chevalley Groups</b>	
D. Stanton	87
<b>Special Functions and Group Theory in Theoretical Physics</b>	
L. C. Biedenharn, R. A. Gustafson, M. A. Lohe, J. D. Louck, and S. C. Milne	129
<b>Lattice Gauge Theory, Orthogonal Polynomials and q-Hypergeometric Functions</b>	
G. E. Andrews and E. Onofri	163
<b>The Laguerre Calculus on the Heisenberg Group</b>	
R. W. Beals, P. C. Greiner, and J. Vauthier	189
<b>Radar Ambiguity Functions, Nilpotent Harmonic Analysis, and Holomorphic Theta Series</b>	
W. Schempp	217
<b>A Factorization Theorem for the Fourier Transform of a Separable Locally Compact Abelian Group</b>	
L. Auslander	261
<b>Band and Time Limiting, Recursion Relations and Some Nonlinear Evolution Equations</b>	
F. A. Grünbaum	271
<b>Harmonics and Combinatorics</b>	
J. J. Seidel	287
<b>Subject Index</b>	305