

OPPORTUNITIES IN

METEOROLOGY

by Miles F. Harris

Produced with the cooperation
of the American Meteorological Society



VGM Career Horizons

A Division of National Textbook Company
8259 Niles Center Road, Skokie, Illinois 60076

CONTENTS

ABOUT THE AUTHOR	iii
FOREWORD	v
ACKNOWLEDGMENTS	ix
1. CAREERS IN METEOROLOGY	13
<i>What Is Meteorology? Career Areas and Specialization, Who Employs Meteorologists? Professional and Nonprofessional Careers, Education and Training, Earnings of Meteorologists, Employment Outlook, Personal Qualifications.</i>	
2. THE CHALLENGE OF METEOROLOGY	28
<i>Meteorology and Society, History of Modern Meteorology, The Ocean of Air, The Aims of Meteorology, The Future of Meteorology.</i>	
3. PLANNING A METEOROLOGICAL EDUCATION	51
<i>Educational Requirements for Meteorologists, Other Goals and Meteorological Curricula, Undergraduate Study, Graduate Study, Cost of Education and Financial Assistance, Educational Opportunities After Employment.</i>	
4. METEOROLOGY IN THE CIVIL SERVICE	74
<i>Observing, Forecasting, and Warning Services, Climatological Services, Satellite Meteorology, Research Activities, Careers in NOAA.</i>	
5. METEOROLOGY IN THE MILITARY SERVICES	100
<i>The Air Weather Service, Careers in the Air Weather Service, The Naval Weather Service, Careers in the Naval Weather Service.</i>	

6. TEACHING AND RESEARCH	119
<i>Meteorology in the Universities, University Careers, Research, Requirements for a Research Career, Consulting.</i>	
7. METEOROLOGY IN BUSINESS AND INDUSTRY	131
<i>Airline Meteorology, Meteorological Consulting Firms, Weather Broadcasting, Industrial Meteorology, Certificates and Seals of Approval, Career Requirements.</i>	
8. EMPLOYMENT OUTLOOK, SALARIES, AND BENEFITS	141
<i>Employment Prospects, Salaries, Other Benefits, Women in Meteorology.</i>	
9. GETTING STARTED	156
<i>Jobs in Civil Service, The Military Services, The Private Sector, Planning a Career.</i>	
10. SCIENTIFIC AND PROFESSIONAL SOCIETIES	165
<i>The American Meteorological Society, The American Geophysical Union, The American Geological Institute.</i>	
SELECTED BIBLIOGRAPHY	177
<i>Books, Periodicals.</i>	
COLLEGES AND UNIVERSITIES IN THE UNITED STATES AND CANADA WITH CURRICULA IN ATMOSPHERIC SCIENCE, 1969-1970	179
INDEX	183