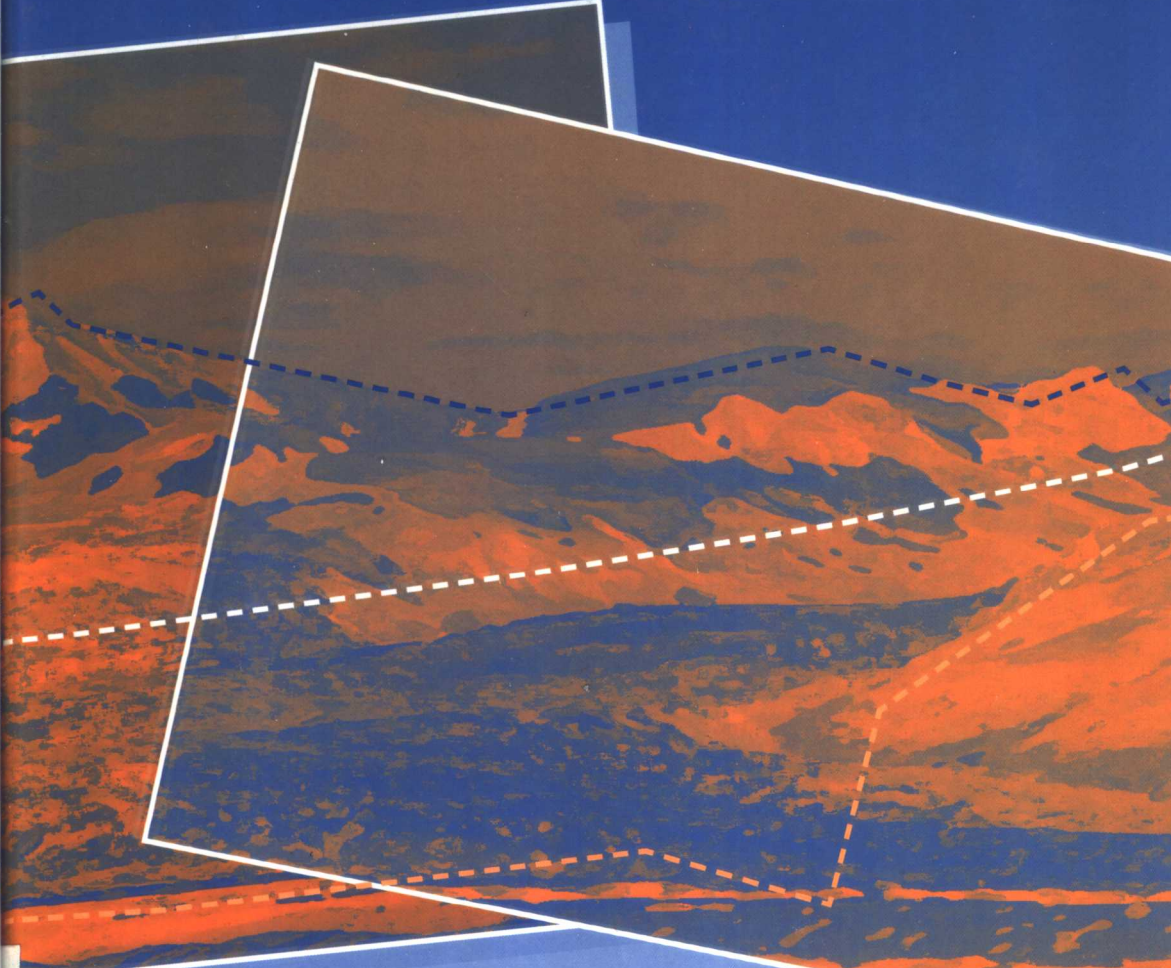


Trends in Outdoor Recreation, Leisure and Tourism



**Edited by
W.C. Gartner and D.W. Lime**



CABI Publishing

Trends in Outdoor Recreation, Leisure and Tourism

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CABI Publishing is a division of CAB International

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A catalogue record for this book is available from the British Library, London, UK.

Library of Congress Cataloging-in-Publication Data

Trends in outdoor recreation, leisure, and tourism / edited by W.C. Gartner and D.W. Lime.
p. cm.

Includes bibliographical references and index.

ISBN 0-85199-403-2 (alk. paper)

1. Outdoor recreation. 2. Leisure. 3. Tourism. I. Gartner, William C. II. Lime, David W.

GV191.6.T74 2000

99-087665

ISBN 0 85199 403 2

Typeset in 9/11pt Melior by York House Typographic Ltd, London.
Printed and bound in the UK by Biddles Ltd, Guildford and King's Lynn.

Trends in Outdoor Recreation, Leisure and Tourism

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Dr Dorothy H. Anderson is Professor in the Department of Forest Resources at the University of Minnesota. She coordinates the Recreation Resource Management undergraduate and graduate programme and the planning, policy and law concentration in the Natural Resources Environmental Studies undergraduate programme. Dr Anderson has 25 years experience in conducting research with federal and state agencies including the US Department of Agriculture (USDA) Forest Service, US Department of the Interior (USDI) National Park Service, Bureau of Land Management and the Minnesota Department of Natural Resources Division of Parks and Recreation. Her research has focused on developing and testing management frameworks to better plan, manage and monitor recreational use on public lands. Dr Anderson's research has also looked at ways in which management frameworks, such as the benefits-based management framework, can be extended beyond recreational use as landscape level management tools.

Carter J. Betz is an Outdoor Recreation Planner with the Outdoor Recreation and Wilderness Assessment Research unit of the USDA Forest Service, Southern Research Station, Athens, Georgia. His speciality is database development, management and analysis. He contributed to both the 1989 and 1998 Forest Service Renewable Resources Planning Act (RPA) Assessments of Outdoor Recreation and Wilderness, including authorship of the chapter on recreation resources in the 1998 Assessment. Currently, he provides research support for the multi-agency National Survey on Recreation and the Environment (NSRE) 2000. Betz has an MS in recreation resources from North Carolina State University and previously served as a Research Associate in NCSU's Office of Park and Tourism Research.

Dr Rita J. Black recently finished a 2-year postdoctoral appointment with the Institute for Tourism and Recreation Research at the University of Montana-Missoula. Her research interests include sport tourism and the social dimensions of sport and recreation, especially as they relate to gender.

Dr Tommy L. Brown is a Senior Research Associate and Leader of the Human Dimensions Unit at Cornell University. His research in outdoor recreation, tourism, and human dimensions of fish and wildlife management over the past 30 years has been diverse. Long-standing research interests include recreation participation trends and associated

factors, attitudinal studies, market segmentation of recreation user groups and other stakeholders, incorporating human dimensions information into management decision making, and survey research methods. A recent major effort has been coediting a text on human dimensions of wildlife management with colleagues D.J. Decker and W.F. Siemer, sponsored by The Wildlife Society. Tommy is a member of The Wildlife Society, American Fisheries Society and Rural Sociological Society. He has been an active participant in each of the 5-year Outdoor Recreation and Tourism Conferences.

Dr Dimitrios Buhalis is Senior Lecturer in Tourism at the Department of Tourism, University of Westminster in London. Dimitrios is also Adjunct Professor at the Institut de Management Hotelier International (Cornell University–Ecole Supérieure des Sciences Economiques et Commerciales ESSEC) in Paris. Other professional activities include: Reviews Editor of the *International Journal of Tourism Research* and Books Editor of the *IT and Tourism: Applications-Methodologies and Techniques* journals; Associate Editor for the *Encyclopaedia of Tourism*; Mediterranean Editor for *Anatolia International Journal of Tourism and Hospitality Research*; Books Editor for *Tourism*, the Tourism Society journal; and Board Member of the *Journal of International Hospitality, Leisure and Tourism Administration*. Dimitrios is Chairman of the Association of Tourism Teachers and Trainers; Executive Committee member of the International Federation of Information Technology and Tourism and the Tourism Society; and Chairman of the ENTER 1998, 1999 and 2000 conferences on Tourism and Information Technology.

Dr Henry Campa III is an Associate Professor of Wildlife Ecology in the Department of Fisheries and Wildlife at Michigan State University (MSU). His research interests are in the areas of wildlife–habitat relationships, wildlife nutrition and ecosystem management. He teaches courses in upland ecosystem management, conservation biology, and wildlife nutrition. Prior to working at MSU, he was a Wildlife Research Biologist with the Michigan Department of Natural Resources. Dr Campa has received a Lilly Endowment Teaching Fellowship and the Teacher-Scholar Award at MSU. He holds a BS in wildlife management from the University of Missouri–Columbia, MS and PhD degrees in wildlife ecology from MSU, and is a Certified Wildlife Biologist with The Wildlife Society.

Dr Nevenka Čavlek is Assistant Professor and faculty member of the Department of Tourism at the Faculty of Economics, University of Zagreb, Croatia. She joined the Faculty after 9 years experience working in the field of the tour operating business. Dr Čavlek belongs to the younger generation of Croatian tourism experts and is well known as a result of a large number of articles and papers published by her on the topic. Her latest book (1998) focuses specifically on tour operators and international tourism. She is also editor of the scientific journal *Acta Turistica*, has worked since 1992 on the *Croatian Tourism Magazine* as a columnist dealing with international tourism, and edits the International Tourism News Programme on Croatian Television. Dr Čavlek's discipline and expertise includes: Tourism Economics, Multinational Corporations in Tourism and Management of Tour Operators.

Dr David N. Cole is research biologist with the Aldo Leopold Wilderness Research Institute (ALWRI), Missoula, Montana. He has degrees in geography from the University of California, Berkeley, and the University of Oregon. He has conducted research related to the management of wilderness, especially on the biophysical impacts of recreation use for the past 25 years for the USDA Forest Service's Wilderness Management Research Unit, Systems for Environmental Management and ALWRI. His recent work has been diverse, addressing ecological restoration visitor education and factors that influence the quality of recreation experiences. He is married, with two young children, and spends as much time as possible whitewater rafting and hiking.

Dr H. Ken Cordell earned his PhD degree in economics and forestry at North Carolina State University. As a USDA Forest Service scientist, he has worked on the application of social science theory and methods in outdoor recreation, wilderness, and, generally, natural resources management. Recently, Dr Cordell directed an ongoing series of national studies, including the US National Recreation Study. He is a national authority on recreation demand and supply trends and serves as adjunct faculty at several major universities.

Dr John L. Crompton is Professor of Recreation, Park and Tourism at Texas A&M University. Dr Crompton's primary interests are in the areas of marketing and financing public leisure and tourism services. He is author or coauthor of seven books and more than 350 articles and monographs which have been published in the recreation, tourism, sport and marketing fields. He is past recipient of the National Recreation and Park Association's National Literary Award, the NRPA Roosevelt Award for outstanding service; the Society of Park and Recreation Educators' Distinguished Teaching Award, the Travel and Tourism Research Association's Travel Research Award and the Texas A&M Vice-Chancellor's Award in Excellence in Graduate Teaching. He is a past president of the American Academy of Park and Recreation Administration; a past president of the Society of Park and Recreation Educators; and a current member of the NRPA Board of Trustees.

Dr Graham M.S. Dann obtained his PhD from the University of Surrey in 1975. Graham spent the next 21 years lecturing in sociology at the University of the West Indies in Barbados. In 1996 he was appointed Professor of Tourism at the University of Luton. A founder member of the International Academy for the Study of Tourism, and of the Research Committee on International Tourism of the International Sociological Association, he has research interests in tourist motivation and the semiotics of tourism promotion.

Dr Daniel J. Decker is a professor in the Department of Natural Resources at Cornell University, where he is co-leader of the Human Dimensions Research Unit. He received his PhD from Cornell University. His research of 25 years has focused on the human dimensions of wildlife management, especially improving understanding of diverse stakeholders in management and using that insight for wildlife programme planning, implementation and evaluation. Research during the 1990s targeted stakeholder involvement in wildlife management, especially stakeholder expectations for participation in decision making and the role of community-based management in a vision of 'next-generation wildlife management'. A feature of this pursuit is the articulation of a model of wildlife management and policy making that integrates human and biological dimensions in wildlife management and policy making, and considers how human attitudinal and behavioural considerations can be addressed effectively in these endeavours.

Dr Sara Dolnicar is assistant professor at the Institute for Tourism and Leisure Studies of the University of Economics and Business Administration, Vienna. Her research interests are centred on consumer psychology, tourism market segmentation and adaptive techniques in analysing tourist data. Dr Dolnicar is a participant in the Joint Research Programme on 'Adaptive Modelling and Information Systems in Economics and Management Science' which is sponsored by the Austrian Research Foundation. Dr Dolnicar is the current Secretary General of the Austrian Society for Applied Research.

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Dr Jody W. Enck is a Research Associate in the Human Dimensions Research Unit at Cornell University. He received a BS in wildlife biology from the University of Vermont, an MS in environmental and forest biology from the State University of NY at Syracuse, and a PhD in resource policy, management and human dimensions from Cornell University. His research interests include investigating recreationists' motivations and satisfactions, exploring factors affecting the social feasibility of restoring extirpated wildlife species, and analysing hunting policies as they relate to wildlife management. He also teaches an upper level undergraduate course in the human dimensions of natural resource management.

Dr Daniel L. Erkkila is a tourism and travel specialist with the University of Minnesota Extension Service and serves as associate director of the University's Tourism Center. He is also an adjunct associate professor within the University's College of Natural Resources, Department of Forest Resources. Dr Erkkila has more than 20 years of experience in natural resources and tourism, with positions in private business as a natural resource consultant, as well as in the public sector, including USDA Forest Service positions as an operations research analyst at the forest level and policy analyst in Washington, DC. His extension work for the University's Tourism Center includes development of a tourism business retention and expansion programme and his research interests include regional economic impacts from tourism and travel, nature-based tourism, sustainable development, and tourism and travel transportation systems.

Dr John Fletcher is Professor of Tourism and Head of the International Centre of Tourism and Hospitality Research, Bournemouth University. He received his doctorate from the University of Wales in economics and was Director of the Institute of Economic Research, University College of North Wales, Bangor. Before moving to Bournemouth, he was leader of the tourism group at the University of Surrey. His research interests have been in the development of interactive software for tourism impact and forecasting models. He has undertaken numerous tourism impact and development studies in the Caribbean, the South Pacific, the Indian Ocean and throughout Europe. He works closely with the World Travel and Tourism Council and is on the editorial board of leading academic journals.

Dr William C. Gartner is the Director of the Tourism Center and Professor of Applied Economics at the University of Minnesota. Bill has conducted numerous research studies in the area of tourism image, development, seasonal home impacts, tourism marketing and methods for tourism research. He is active regionally, nationally and internationally, having served as secretary, vice-president, president and Chairman of the Board of the CenStates chapter of the Travel and Tourism Research Association, on the editorial board of many tourism journals, and as secretary, vice-president and president for the International Academy for the Study of Tourism. He has also been involved in international development work including major projects in Ghana and Israel. He is the author of numerous tourism articles published in professional journals and most recently a book, published by Van Nostrand Reinhold, entitled *Tourism Development: Principles, Processes and Policies*.

Dr Donald Getz is Professor of Tourism and Hospitality Management, Faculty of Management, at the University of Calgary. He also holds a visiting professorship at the Australian International Hotel School in Canberra, and has strong research links with Edith Cowan University in Perth, Western Australia. He teaches, conducts research, writes and consults in the area of recreation and tourism planning and destination management. Don has authored two books on events: *Festivals, Special Events, and Tourism* (1991) and *Event Management and Event Tourism: An International Journal* (1997). He is co-founder and coeditor of *Festival Management and Event Tourism: An International Journal*. Don has coedited and contributed to a third book, entitled *The Business of Rural Tourism* (Thomson International Business Press, 1997), and has worked with several colleagues to produce a workbook entitled *Planning For Sustainable Tourism*. Reflecting his interest in rural development and wine, Dr Getz recently completed a book entitled *Wine Tourism*. Other current research themes include family businesses in tourism and hospitality, and event evaluation concepts and methods. Increasingly, Don is examining global leisure and tourism trends and giving speeches with a 'futurist flavour'.

Dr William E. Hammitt is Professor of Wildland Recreation in the Departments of Parks, Recreation and Tourism Management, and Forest Resources at Clemson University. He has been at Clemson since 1990, teaching and conducting research in the area of wildland recreation. His research speciality is recreation behaviour and visitor management. He was previously employed at the University of Tennessee for 12 years. Dr Hammitt is an author and/or coauthor of more than 150 papers and articles in professional and trade publications in his field. He is a past associate editor of the *Journal of Leisure Research*, *Leisure Sciences* and currently is an associate editor for the *Journal of Human Dimension of Wildlife and Fish Management*. He is a senior author of the text, *Wildland Recreation: Ecology and Management*, 1987, 1998. He is the recipient of two Fulbright Awards, Peru and Norway, and The Theodore and Franklin Roosevelt Award for Excellence in Recreation and Park Research (1998).

Dr Karla A. Henderson is professor and chair in the Department of Recreation and Leisure Studies at the University of North Carolina at Chapel Hill. She is the author of several books and numerous articles addressing gender and leisure as well as research methods. Karla has over 20 years of experience in higher education and has served the profession in a number of capacities including being president of the Society of Park and Recreation Educators, president of the Research Consortium of the American Alliance of Health, Physical Education, Recreation, and Dance, and president of the Academy of Leisure Sciences. She has been on the Board of Trustees of the National Recreation and Parks Association, the Board of Directors of the World Recreation and Leisure Association and the American Camping Association.

Dr Ray Hutchison is Professor of Sociology and Urban and Regional Studies at the University of Wisconsin-Green Bay. He received his MA and PhD in sociology from the University of Chicago and has taught at DePaul University, the University of California-San Diego and the University of Nevada-Las Vegas. His research on ethnic, racial and immigrant groups has been supported by funding from the USDA Forest Service, the W.T. Grant Foundation, and the University of Wisconsin Institute on Race and Ethnicity. He is coauthor with Mark Gottdiener of *The New Urban Sociology* (McGraw-Hill) and series editor of *Research in Urban Sociology* (JAI Press). Dr Hutchison's discipline and expertise includes urban sociology, race and ethnicity, immigrant and refugee populations, and the leisure and recreation activity of urban populations.

Dr Peter F. Keller is Director for Tourism at Switzerland's Secretariat of State for Economic Affairs (SECO) and Professor at the School for Economics and Management of the University

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Dr Bernard Lane is Director of the Rural Tourism Unit at the University of Bristol, responsible for a programme on rural and sustainable tourism development issues. He has been a consultant on rural tourism for the Paris-based Organization for Economic Cooperation and Development (OECD), for the government of Australia, for development agencies and tourist boards in Canada, France, Ireland, Japan, New Zealand, Norway and Poland and for many communities and local authorities throughout Britain. He also works with a range of private sector tourism enterprises. In 1992 he founded and is coeditor of the international *Journal of Sustainable Tourism*.

Dr Will F. LaPage teaches parks, recreation and tourism in the Department of Forest Management at the University of Maine. He has taught at the University of New Hampshire, University of Wyoming and Colorado State University. Prior to coming to Maine, he served as the director of the Wolf Education and Research Center, in Idaho, director of New Hampshire State Parks, and as a senior recreation research scientist with the USDA Forest Service. His current research focuses on noneconomic and nontraditional uses and benefits of public parklands. Dr LaPage has been a consultant on parks and tourism in South Africa, Bulgaria, Jamaica, and with Croatian National Park directors; and he served as a member of President Reagan's Commission on American's Outdoors from 1985 to 1987. Dr LaPage has authored numerous technical reports on outdoor recreation trends and partnerships; and is completing his third book of outdoor poetry.

Dr Martha E. Lee is an associate professor in the School of Forestry at Northern Arizona University. Dr Lee teaches undergraduate and graduate classes in the human dimensions of ecosystem management, including wildland recreation management and planning. Her current research interests include documenting the benefits that users and nonusers receive from forest and park resources and understanding the relationships between the benefits of recreation and the wildland settings in which they occur. Dr Lee's discipline and expertise include: motivations for recreation behaviour, outcomes of recreation and leisure, visitor use management and attitudes and perceptions of wildland use and management.

Dr David W. Lime is a senior research associate and faculty member in the Department of Forest Resources at the University of Minnesota. He serves as the social science programme leader and unit leader for the Cooperative Park Studies Unit, a research partnership between the University of Minnesota and the National Park Service and US Geological Survey, Biological Resources Division. He also is a staff member with the University's Tourism Center. Dr Lime has over 30 years experience conducting research and other services with the USDI National Park Service, USDA Forest Service, Bureau of Land Management, and other federal and state land management agencies. Dr Lime's discipline and expertise includes: human geography, human behaviour concerning recreation and tourism, social science research methods, recreation resource management, resource-based tourism and visitor use management for parks and protected areas.

Dr Patrick Long is a Professor of Business at the University of Colorado at Boulder (UCB) where he teaches and conducts research in tourism. He also served as CEO/president of the

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Dr Stephen F. McCool is Professor, Wildland Recreation Management at the School of Forestry, The University of Montana. He received his PhD from the University of Minnesota during the Cretaceous Period. Dr McCool is currently interested in various paradigms of planning as they are applied to protected areas and tourism development. His work encompasses the concept of sustainability as applied to tourism and recreation planning, public participation in planning processes and use of systems such as Limits of Acceptable Change in developing planning frameworks for protected areas.

Dr Maureen H. McDonough is a Professor of Social and Community Forestry in the Department of Forestry at Michigan State University. She holds a BS degree in biology from Baldwin-Wallace College, a MSF in Wildlife Ecology from the University of Florida, and a PhD in Forest Resources from the University of Washington. She has been a faculty member at Michigan State University since 1980. Her work focuses on the interactions of people and natural resources and currently includes community forestry projects in Thailand and Detroit. She has studied public participation in natural resource decision making in the US, Thailand, Taiwan, Jamaica and the Dominican Republic. She is currently involved in projects to expand participation by underrepresented groups in both ecosystem planning and urban and community forestry in the USDA Forest Service and the Michigan Department of Natural Resources. She serves on the Michigan Urban and Community Forestry Council, the technology transfer committee of the Urban Forestry Center for the Midwestern States and was an invited panellist at the *Community Futures Forum: Building an Urban Natural Resource Agenda for the 21st Century* sponsored by the USDA Forest Service.

Dr Robert E. Manning is Professor of Natural Resources at the University of Vermont where he chairs the Recreation Management Program. He teaches courses and conducts research on the history, philosophy and management of parks, wilderness, and related areas. He conducts a programme of research with the US National Park Service on carrying capacity, crowding and management of outdoor recreation, and has spent year-long sabbatical leaves at Grand Canyon and Yosemite National Parks and the Washington Office of the National Park Service. Dr Manning is the author of *Studies in Outdoor Recreation*.

Dr Josef A. Mazanec has been full professor of business administration in tourism and director of the Institute for Tourism and Leisure Studies of the Vienna University of Economics and Business Administration (WU Wien) since 1981. He was a visiting scholar at the Alfred P. Sloan School of Management, MIT, Cambridge, Massachusetts, during the spring term 1992. Since 1997 he also functions as the Vice-rector for Research of the WU Wien and as the Speaker of the Joint Research Programme on 'Adaptive Models and Systems in Economics and Management Science'. His research interests are in hospitality and tourism management, explanatory models of consumer behaviour, strategic marketing, multivariate methods, decision-support systems and management science applications in leisure and tourism.

Dr Norma P. Nickerson is an associate research professor and Director of the Institute for Tourism and Recreation Research (ITRR) and faculty member in the School of Forestry at the University of Montana–Missoula. As ITRR director she is responsible for the legislatively funded travel research programme for the state of Montana which conducts market, economic and environmental research on travel and tourism in the state. Dr Nickerson serves as the research workshop co-coordinator of the Travel and Tourism Research Association (TTRA) annual conference and is the incoming president of the Greater Western Chapter of TTRA representing the states of Alaska, Montana, Washington, Idaho, Oregon, Nevada and California. Dr Nickerson's discipline and expertise includes: strategic planning, travel behaviour, tourism marketing, outdoor recreation impacts, economic impacts of travel and nature-based tourism.

Dr Ron Nickerson is an assistant professor in the Department of Recreation, Parks and Leisure Services at Minnesota State University (Mankato). His primary teaching responsibilities include outdoor recreation planning, commercial recreation and tourism, park administration and park and recreation policy. Dr Nickerson had 19 years of state government experience as a business manager and senior state park planner with the Minnesota Department of Natural Resources and a fiscal analyst with the Minnesota House of Representatives prior to his appointment to the Minnesota State University (Mankato) faculty. He has also served as an adjunct assistant professor in the Department of Forest Resources at the University of Minnesota with responsibilities for natural resource planning and management courses. Dr Nickerson's research interests and expertise include: benefits-based management, human behaviour concerning recreation and tourism; outdoor recreation planning, social science research methods, recreation resource policy and management, and park and recreation curriculum design.

Dr Michael E. Patterson is currently in his second year as an assistant professor on the Wildlife Biology and Recreation Management faculties in the School of Forestry at the University of Montana. He was previously an assistant professor in the Department of Parks, Recreation, and Tourism Management at Clemson University for 3 years. He received a PhD from Virginia Polytechnic Institute and State University in 1993 with a dissertation focusing on the nature and meaning of recreational experiences in woodland settings. His research interests focus on human dimensions of natural resource management. He is especially interested in research that explores human wildlife interactions and how these shape people's perceptions of and values toward wildlife; the nature of environmental beliefs, values, and philosophies that shape how people interpret and respond to wildlife conflicts; and approaches to conflict resolution.

Dr Richard R. Perdue is a professor and coordinator of the tourism management curriculum in the University of Colorado College of Business and Administration. He is an active researcher who has published extensively in the tourism research literature. He currently serves as coeditor of *Tourism Analysis* and on the editorial boards of the *Journal of Travel Research* and the *Journal of Travel and Tourism Marketing*. Additionally, he has served on the editorial boards of the *Journal of Leisure Research* and *Leisure Sciences*, on the board of directors of the Society of Park and Recreation Educators, on the tourism research review board for the National Coastal Resources Institute, and on the US Travel and Tourism Administration task force on accountability research. He has conducted tourism research and development projects for state tourism offices in North Carolina, Tennessee, Nebraska and Colorado, for the National Oceanic and Atmospheric Administration, for the National Marine Fisheries Service, and for numerous local and regional tourism development authorities. His current research is focused on service quality and marketing in the Colorado ski industry.

Dr George L. Peterson is a senior-level Scientist and Project Leader with the Rocky Mountain Research Station of the USDA Forest Service in Fort Collins, Colorado. The first 18 years of his 35-year career were in academic positions, first in Environmental Systems and Resources at the University of California at Los Angeles and then at Northwestern University, where he served as Assistant, Associate and Full Professor of Civil Engineering specializing in urban and regional planning, environmental resource management, and impact assessment. Dr Peterson's publications include numerous scientific and technical papers on outdoor recreation research, environmental psychology, impact analysis and natural resource economics, as well as five edited books. Since joining USDA Forest Service Research in 1982, he has worked primarily in nonmarket valuation, outdoor recreation research, and environmental resource damage assessment. Professional assignments and activities have included forest health policy, forest planning, road policy reform, USDA representative on the Economic Steering Committee for the Exxon-Valdez damage assessment, Leader of Economic Evaluation of Multifunctional Forestry for the International Union of Forestry Research Organization (IUFRO), Human Dimension representative on the IUFRO Task Force on Management and Conservation of Forest Genetic Resources, the UNEP Global Biodiversity Assessment, the Board of Research Advisors for the National Outdoor Leadership School, Associate Editor of *Leisure Sciences* and the *Journal of Leisure Research*, the Editorial Review Board of *Environment and Behavior*, and the Editorial Advisory Board of *Advances in Environment, Behavior, and Design*. He is also a Fellow of the Academy of Leisure Sciences.

Dr John J. Pigram is Director of the Center for Water Policy Research at the University of New England. He has widespread research interests in resources management, in particular, tourism, water resources, recreation and parks management. Current research interests include policy issues arising from resource allocation, environmental auditing, and impediments to the adoption of best management practice in the water and tourism industries. Professor Pigram is the author of several publications in resources management including *Outdoor Recreation and Resource Management*, *Outdoor Recreation Management* and *Issues in the Management of Australia's Water Resources*. Dr Pigram is a charter member of the International Academy for the Study of Tourism. He is also a member of the Universities Council on Water Resources, and the American Water Resources Association, vice-president of the International Water Resources Association, a member of the Board of Governors of the World Water Council and Chair of the Organizing Committee for the 10th World Water Congress in Melbourne, Australia, March 2000.

Anna Pollock has worked as a researcher, consultant, facilitator and entrepreneur in the tourism industry. As a researcher she has been instrumental in identifying trends associated with the development of new adventure and health tourism products in Canada. As a consultant, she has played a key role in the development of more systematic approaches to the delivery of tourism education in Western Canada. Her role as a facilitator has focused on the creation of an effective industry-driven tourism association for British Columbia, Canada. Currently she resides in England, where she manages an information technology enterprise. Her company, the Pembridge Group, develops and markets database management systems to tourism destinations in Europe and North America. She is a recognized leader in Canada's tourism industry.

Dr Dennis B. Propst, a native of the Shenandoah Valley (Virginia), is an Associate Professor in the Department of Park, Recreation and Tourism Resources at Michigan State University, where he has been a faculty member since 1983. His degrees are in biology (BS), outdoor recreation management (MS), and forestry (PhD). His academic interests include the economic impacts of recreation and tourism, human/natural resource interaction, leisure and

recreation behaviour, and natural resource management and planning. He has 15 years of research experience with various federal and state agencies pertaining to the economic impacts of outdoor recreation and has authored or coauthored numerous publications stemming from this work. He has also conducted 10 years of research and authored several journal articles related to perceived control, participation and choice in outdoor recreation. He teaches undergraduate and graduate courses in behaviour, environmental attitudes and natural resources policy and serves as an Ingham County (Michigan) Parks Commissioner.

Dr Greg Richards obtained a PhD in geography from University College London in 1982, and entered market research with RPA Marketing Communications. He worked on a number of travel and tourism projects, including surveys of the UK conference and exhibition industry, hotel feasibility studies and tourism development and marketing consultancy for local government. In 1984 he became a partner in Tourism Research and Marketing (TRAM), a consultancy specializing in tourism and event marketing. With TRAM he has worked on projects for the British Tourist Authority, the English Tourist Board, the Scottish Tourist Board, and numerous local authorities. Greg is coordinator of the European Association for Tourism and Leisure Education (ATLAS) and has directed a number of ATLAS projects for the European Commission on topics including cultural tourism, sustainable tourism and tourism education. He is currently directing a second European Cultural Tourism Survey, which covered some 30 cultural attractions and events in 12 European countries in 1997. ATLAS is also undertaking a project for DGXVI of the European Commission on crafts tourism, aiming to support local crafts and regional cultures through the promotion of craft products to tourists.

Dr Ingrid E. Schneider is an Assistant Professor at Arizona State University in the Department of Recreation Management and Tourism where she teaches undergraduate and graduate courses in leisure behaviour and outdoor recreation management. Her academic training includes a BS degree in technical communication from the University of Minnesota, a MS degree in forest resources, specifically outdoor recreation management, from the University of Minnesota, and a PhD from Clemson University, Department of Parks, Recreation and Tourism Management. Her research interests include visitor behaviour, recreation conflict and response to conflict, stress, diversity and sustainable tourism.

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William F. Siemer is a Research Support Specialist with the Human Dimensions Research Unit at Cornell University. He holds an MS in the human dimensions of wildlife management from Michigan State University and a BS in wildlife management from the University of Missouri, Columbia. Since coming to Cornell in 1987, he has conducted human dimensions studies on a wide range of topics, including wildlife-related activity involvement, attitudes towards wildlife, wildlife-related risk perception, wildlife damage management, hunting access, and educational programme evaluation. He is a Certified Wildlife Biologist and is currently serving as coeditor of an undergraduate wildlife management text, *The Human Dimensions of Wildlife Management in North America*.

Dr Stephen L.J. Smith is Professor of Recreation and Leisure Studies, University of Waterloo, Waterloo, Ontario. He earned his PhD in 1973 at Texas A&M in Recreation and Resources Development. Stephen consults for Canadian government agencies and tourism businesses. He has served as a Special Projects Officer with Tourism Canada and with the Canadian Tourism Commission and currently serves as Chairman of the Research Committee of the Canadian Tourism Commission. Steve is an elected Fellow of the International Academy for the Study of Tourism, a member of the Travel and Tourism Research Association International, and is active with regional and local tourism destination marketing organizations. He has given guest lectures and seminars at numerous universities throughout the world. His specialities are tourism measurement, product development strategies, and geo-economic analysis of tourism development. Steve publishes frequently in journals and is the producer of a video on tourism development and the author of several books.

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Dr Patricia A. Stokowski is an Associate Professor with the Recreation Management Program, in the School of Natural Resources at the University of Vermont, where she teaches and conducts research on topics related to outdoor recreation and tourism planning. Before moving to Vermont in 1998, she was a faculty member at Texas A&M University and the University of Colorado–Boulder. Her PhD (1988) is from the College of Forest Resources at the University of Washington. Dr Stokowski is the author of two books: *Riches and Regrets: Betting on Gambling in Two Colorado Mountain Towns* (1996, University Press of Colorado) and *Leisure in Society: A Network Structural Perspective* (1994, Mansell Press). Her current academic interests centre on rural community development, social impacts research, and rhetorical issues in sense of place studies. Beyond the halls of academia, Dr Stokowski is also a gold-medallist figure skater and professional ice dance coach.

Gregory R. Super is an economist and programme manager in the Recreation, Heritage and Wilderness Resources Staff at the USDA Forest Service national headquarters in Washington, District of Columbia. His USDA Forest Service career has included forest planning, strategic planning, campground management, firefighting and the development of recreation fee systems. Mr Super is a graduate of Colorado State University (BS) and Utah State University (MS). He lives in Arlington, Virginia, with his wife, Sue, and son, James.

Jon Teigland is a Senior Social Scientist at Western Norway Research Institute. He was responsible for Norway's first national holiday and recreation surveys in the early 1970s. Trends and processes influencing consumer behaviour and travel demand internationally have been a major research interest since then. Applying research findings to decision making processes both at policy, planning and at project level is another issue of interest. For the past 10 years, Teigland has done impact assessments of the effects on tourism and recreation from major projects, including hydro power and highway developments, mega-events such as the Olympic Games and the designation of national parks. Jon has done impact assessments and planned regional tourism developments on several continents, among them two pilot tourism and recreation regional plans in Saudi Arabia.

Dr Gail A. Van der Stoep is an Associate Professor at Michigan State University (MSU) in the Department of Park, Recreation and Tourism Resources. For the past 15 years, much of her professional work has focused on interpretive communications, and has included serving as president of the National Association for Interpretation. She also is an adjunct faculty member with the MSU Museum. Her current research, outreach and training efforts are integrative in nature and include work in community-based tourism development, heritage and nature-based tourism, use of communications as a resource management tool, human dimensions of resource management, and integrated maritime resource management. As Faculty Liaison with MSU's Center for Maritime and Underwater Resource Management (CMURM), these areas of expertise are applied in coastal and marine park areas, including international work in Anguilla.

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Dr Stephen Wanhill is Travelbag Professor of Tourism at the School of Service Industries, Bournemouth University, and Head of Tourism Research at the Research Centre of Bornholm, Denmark, where he is involved in a multi-annual programme, funded by the Danish Social Science Foundation, researching tourism in the peripheral areas of Europe. His experience as a practitioner and as an academic in the field of tourism spans more than 25 years and he has previously held professorial posts at the University of Surrey and the University of Wales, Cardiff. He has been a parliamentary Specialist Adviser on tourism to the UK House of Commons and a board member of the Wales Tourist Board. His research interest lies in the area of tourism development and he has published on development policy, tourism projects, investment incentives and the impact of tourism. He is editor of *Tourism Economics* and has collaborated with John Fletcher as author of *Tourism: Principles and Practice*.

Dr J. Douglas Wellman was a member of the Forestry faculty at Virginia Tech from 1976 until 1990, during which time he taught courses in natural resources policy and outdoor recreation behaviour and pursued scholarly work in outdoor recreation policy, public involvement in natural resource planning, urban forestry and professional education. In 1990, he joined the College of Forest Resources at North Carolina State University as Associate Dean for Academic Affairs, in which position he helped develop innovative interdisciplinary undergraduate and graduate programmes in natural resources management. In 1998, he became the founding director of the Faculty Center for Teaching and Learning, a university-wide faculty development office at North Carolina State. Dr Wellman is author/coauthor of more than 100 publications and presentations.

Dr Peter Williams is a strategic planner, researcher and educator who has worked for more than two and a half decades on projects related to the tourism industry. As a strategic

planner, he has worked around the globe for clients on issues related to the development, marketing and on-going management of tourism destinations and businesses. As a researcher, he is Director of the Centre For Tourism Policy and Research at Simon Fraser University in Vancouver, Canada. Located in super. natural British Columbia, this leading edge tourism institute focuses its research on projects which encourage more sustainable forms of tourism development. As an educator, Dr Williams is a professor in the University's School of Resource and Environmental Management, where he teaches graduate courses in tourism policy and planning. He is also a past president and former Chairman of the Board for the International Travel and Tourism Research Association – an organization dedicated to encouraging excellence in tourism research and strategic planning.

Dr Peter A. Witt is Professor and Head, Department of Recreation, Park and Tourism Sciences at Texas A&M University. Besides departmental administration, Dr Witt's major interests are in the area of evaluating outcomes of recreation programmes being offered by recreation and park departments for at-risk youth. Dr Witt is also involved in efforts to identify best practices and characteristics of successful programmes in the recreation and parks field. Much of this work is based on models of risk, resiliency and protective factors. Dr Witt is the coordinator of the At-Risk Youth Recreation Consortium, a joint effort of eight universities, some 14 cities and the National Recreation and Park Association, who are jointly seeking to improve available information about the impact and value of park and recreation services for at-risk youth. Dr Witt has written or edited five books and authored more than 75 articles on the social psychological aspects of leisure involvement and recreation services for a variety of different user groups.