

From Jill Baron, Research Ecologist with the NPS Water Resources Lab at Colorado State University in Fort Collins, comes word of a new book, presenting the Loch Vale Watershed study.

Biogeochemistry of Subalpine Ecosystem: Loch Vale Watershed, 1991/approx. 240 pp., 90 illus./Hardcover \$89.00/ISBN 0-387-96705-1 (Ecological Studies, Vol. 90).

Published by Springer-Verlag and edited by Dr. Baron, with a Foreword by Jerry Franklin, this study increases understanding of natural biogeochemical pathways and the effects of acidic deposition in the alpine and subalpine environment of Rocky Mountain NP. The study characterizes precipitation, bedrock, soils, lakes and streams, aquatic organisms, and woody vegetation. It attempts to quantify major elemental and pollutant flux, and identifies sources, sinks, and controls of important ions.

Among the topics addressed in this synthesis are sources and seasonal variations in acidic deposition, buffering of surface waters through soil processes, geochemical mass balance, the chemical composition of surface waters, nutrient and growth dynamics of old-growth spruce-fir forests, and some methodological considerations.

A major objective of the Loch Vale Watershed study was to show the validity of ecosystem analysis as a resource management tool that allows quantitative assessment of the effects of human activities on natural systems. This book then is of interest both to researchers studying these processes and to managers concerned with potential loss of ecological integrity.

The book may be ordered from Springer-Verlag New York, Inc., P.O. Box 2485, Secaucus, NJ 07096-9812, add \$2.50 for postage and handling; or call toll-free 1-800-SPRINGER between 8:30 am and 4:30 pm Eastern Time, weekdays.