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ABSTRACT

This bibliography identifies, by author and subject matter, recreational research publications, by Forest Service scientists, that have been published from 1961 through 1982. Publications are classified under six major topic areas: (1) management of areas and facilities (including such topics as wilderness/backcountry resources and use of facilities); (2) management for recreation activities and experiences (including camping, hunting, hiking, winter activities, and water activities); (3) management and users (including trends research and market surveys, levels of use, user descriptions, visitor safety, and administration); (4) resource protection and rehabilitation (including timber management, impact of recreationists on resources, and site rehabilitation); (5) management planning and research (including impact analyses, policy questions, public involvement, developed recreational opportunities, and recreation research methodology); and (6) source documents (conference or symposium proceedings, other bibliographies, and texts or books written or edited by Forest Service authors). (JD)

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RECREATION RESEARCH PUBLICATIONS

Bibliography 1961-1982

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INTRODUCTION

USDA Forest Service recreation research is about 20 years old. In that time hundreds of articles, notes and papers have been published by Forest Service researchers and their cooperators. In 1967 a bibliography of Forest Service outdoor recreation research was issued that listed, by forest experiment station and author, publications from 1942 through 1966. Since then, 11 annual supplements have been published.

Most recreation researchers who have been around for the past 10 to 20 years have a pretty good idea about who wrote what publication and how to find it. But others are hard pressed to find what has been written about a particular subject and who wrote it. This bibliography is intended to facilitate their search. The object is to identify, by author and subject matter, recreation research publications by Forest Service scientists and their cooperators that have been published through 1982.

Some publications found in the original bibliography and its 11 supplements will not be found in this bibliography. These have been deleted at the request of the authors. Generally, new information has made the deleted citations obsolete or inadequate.

ORGANIZATION

This bibliography is organized in two ways: by Author; and by Subject Category.

The Author Index is a simple alphabetized listing by author and year of publication. Individual entrees are numbered to facilitate cross-referencing to subject categories.

The Subject Category identifies individual numbered publications contained in the author index. Publications are classified under six major categories, each having from 3 to 13 subclasses. The sixth major category contains source documents--conference or symposium proceedings sponsored or co-sponsored by the Forest Service, other bibliographies, and texts or books. These source documents generally address a variety of subjects.

Categorizing any set of publications is a very subjective process. The Subject Classification Index, page 79, identifies the six major categories and their subclasses. A short paragraph describes the types of publications that can be found in each major category. For example, if you want to know what Forest Service research has been published on "the economics and marketing of commercial recreation enterprises," you would turn to major category V, subclass 6; or, "timber management and its relationship to aesthetics," major category IV, subclass 9. Persual of the publications listed under major category III, subclass 9, will reveal 23 publications that deal with the carrying capacity concept as it relates to outdoor recreation.

OBTAINING A PUBLICATION

This bibliography is designed to facilitate the search for literature. It will not produce publications. In some cases it will be difficult to obtain a publication. Most of the periodicals that carry recreation research articles are maintained in local libraries. If a local library does not have a publication, it can often be obtained through inter-library loan. Many libraries are on Forest Service Experiment Station mailing lists and regularly receive publications.

Forest Service research publications (Research Note, Research Paper, General Technical Report, etc.), less than five years old can be obtained from Experiment Stations. Experiment Stations are abbreviated in parentheses after each citation; addresses are given on page 94. If a publication is not available from the publication office of an Experiment Station, the request is normally routed to the Station librarian. Each library maintains a file copy of its publications and these can usually be reproduced at cost. For Federal Government employees, land grant university employees, and others having access to the Technical Information System of the National Agricultural Library, the NAL, with a field liaison officer in Beltsville, MD, is another publication retrieval possibility. For users in the 17 western states, the Forest Service maintains a Western Forestry Information Network called WESTFORNET with service centers in Seattle, WA, Berkeley, CA, Ogden, UT, and Fort Collins, CO.

Both of these outlets plus the services of the Library of Congress and the National Technical Information System of the Department of Commerce should be explored before giving up hope. Finally, if you can locate the author of a publication listed in the bibliography, you may be able to obtain it from them directly.

BIBLIOGRAPHY

AUTHOR INDEX

- 0001 Allen, David J.; Holecek, Donald. 1981. Recreation resources and tourism in the Michigan economy. In: Proceedings, Natural Resources Outlook Conference: Natural Resources in Michigan's Economic Future; 1981 April 15-16: East Lansing, MI. Michigan State University Cooperative Extension Service; 1981: 133-168. (NC)
- 0002 Amidon, Elliot and Gould, E. M., Jr. 1962. The possible impact of recreation development on timber production in three California National Forests. U.S. Forest Serv. Pacific Southwest Forest and Range Exp. Sta. Tech. Pap. 68, 21 pp., illus. (PSW)
- 0003 Amidon, Elliot L., and Elsner, Gary H. 1968. Delineating landscape view areas. . .a computer approach. USDA Forest Serv. Pacific Southwest Forest and Range Exp. Sta., Berkeley, Calif., Res. Note PSW-180, 5 pp., illus. (PSW)
- 0004 Anderson, Dorothy H., Earl C. Leatherbery and David W. Lime. 1978. An annotated bibliography on river recreation. USDA For. Serv. Gen. Tech. Rep., NC-41. 62 p. (NC)
- 0005 Anderson, Dorothy, H. 1980. Long-time Boundary Waters' visitors change use patterns. Nat. 31(4): 2-5. (NC)
- 0006 Anderson, Dorothy H. 1981. The effect of user experience on displacement. In: Frazier, John W.; Epstein, Bart J., eds. Proceedings, Applied Geography Conferences; 1981 October 22-24; Tempe, AZ. Binghamton, NY: SUNY, Department of Geography; 1981; Vol. 4: 272-279. (NC)
- 0007 Anderson, Linda M. 1981. Land use designations affect perception of scenic quality in forest landscapes. For. Sci. 27: 392-400. (SE)
- 0008 Argow, Keith A., and Fedkiw, John. 1963. Recreation user fee income: How far does it go toward meeting costs? J. Forest. 61(10): 751-753, illus. (USDA)
- 0009 Arthur, Louise M., Terry C. Daniel and Ron S. Boster. 1977. Scenic assessment: an overview. Reprinted from: Landscape Planning, 4: 109-129. (RM)
- 0010 Aukerman, Robert and William T. Springer. 1976. Effects of recreation on water quality wildlands. Eisenhower Consortium Bulletin #2, Eisenhower Consortium for Western Environmental Forestry Research. illus. 25 p. (RM)
- 0011 Bachman, Earl E. 1967. Recreation facilities...a personal history of their development in the National Forests of California. USDA Forest Serv. Calif. Region, Pacific Southwest Forest and Range Exp. Sta., Berkeley, Calif., 52 pp., illus. (PSW)

- 0012 Ballman, Gary, Timothy B. Knopp, and L. C. Merriam, Jr. 1978. Preferences of Minnesota Canoe Association members compared to Kettle River users. Minn. For. Res. Note 269. Col. of For., Univ. of Minn., St. Paul, MN. 4 p. (NC)
- 0013 Barker, Philip A. 1980. Growing trees on recreation sites--or hospitality with trees. Hawkins, D. E.; Shafer, E. L.; Rovelstad, J. M., eds. Proceedings of the next decade; 1979 March 11-15; Washington, DC. Washington, DC: George Washington University. 133-137. (PSW)
- 0014 Beardsley, Wendell. 1967. Cost implications of camper and campground characteristics in central Colorado. USDA For. Serv., Fort Collins, Colo., Res. Note RM-86, 7 pp., illus. (RM)
- 0015 Beardsley, Wendell. 1970. Economic value of recreation benefits determined by three methods. USDA Forest Serv. Res. Note RM-176, 4 p. Rocky Mountain Forest and Range Exp. Sta., Fort Collins, Colo. (RM)
- 0016 Beardsley, Wendell. 1971. Bias and noncomparability in recreation evaluation models. Land Econ. (Univ. Wis.) XLVII (2): 175-180, illus. (INT)
- 0017 Beardsley, Wendell G. 1971. The economic impact of recreation development: A synopsis. In Recreation Symp. Proc., Syracuse, N.Y., Oct. 12-14, 1971: 28-32. USDA Forest Serv., Intermountain Forest and Range Exp. Sta., Ogden, Utah. (INT)
- 0018 Beardsley, Wendell G. and Roscoe B. Herrington. 1971. Economics and management implications of campground irrigation--a case study. USDA Forest Serv. Res. Note INT-129, 8 p., illus. (INT)
- 0019 Beardsley, Wendell and J. Alan Wagar. 1971. Vegetation management on a forested recreation site. J. Forest. 69: 728-731, illus. (INT)
- 0020 Beardsley, Wendell G., Roscoe B. Herrington, and J. Alan Wagar. 1974. Recreation site management: How to rehabilitate a heavily used campground without stopping visitors use. Iowa State Univ. 1-3, illus. (INT)
- 0021 Benson, Robert E. 1980. Esthetic impacts of harvesting and residue management: public preference ratings. In Proceedings, Environmental Consequences of Timber Harvesting in Rocky Mountain Coniferous Forests Symp., Sept. 11-13, 1979, Missoula, MT. USDA For. Serv. Gen. Tech. Rep., INT-90. 433-440. (INT)
- 0022 Benson, Robert E., Ullrich, James R. 1981. Visual impacts of forest management activities: findings on public preferences. Res. Pap. INT-262. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station. 14 p. (INT)
- 0023 Bevins, Malcolm I., and Daniel P. Wilcox. 1977. Vermont recreation and tourism data bank. Prepared by Department of Agricultural and Resource Economics, Vermont Agricultural Experiment Station, University of Vermont, Burlington, Vermont. Special Report to the Forest Service, U.S. Department of Agriculture, June 1977. 101 p. (NE)

- 0024 Bevins, M. I. and D. P. Wilcox. 1979. Evaluation of nationwide outdoor recreation participation surveys. 1959-1978, Vermont Agric. Exp. Stn., Burlington, VT. 161 p. (NE)
- 0025 Bevins, M. I., T. L. Brown, G. L. Cole, K. J. Hock, M. W. Kottke, W. F. LaPage, R. W. Stammer, and D. J. Stynes. 1979. Changing patterns of outdoor recreation participation in Northeastern U.S., Univ. of Delaware Agric. Exp. Stn. Bull. 427. Newark, Del. 80 p. (NE)
- 0026 Bevins, M. I., W. F. LaPage, and D. P. Wilcox. 1979. The campground industry--recent national trends, USDA For. Serv. Gen. Tech. Rep., NE-53, 1979. 41 p. (NE)
- 0027 Blahna, Dale J.; Fly, J. Mark. 1981. Physically handicapped. In: West, Patrick C., ed. Vestiges of a cage: Social barriers to participation in outdoor recreation by the mentally and physically handicapped. Monogr. 1. Vol. 1, Literature review and research needs. Ann Arbor, MI: University of Michigan, Natural Resource Sociology Lab; 1981: 7-53. (NC)
- 0028 Books, David J., Miron L. Heinselman, and Lewis F. Ohmann. 1971. Revegetation research on the Little Sioux burn. Natur. Twenty-Two(4): 12-21, illus. (NC)
- 0029 Danger, F. David and John F. Smith. 1973. Educational principles and techniques for interpreters. USDA Forest Serv. Tech. Rep. PNW-9, 24 p., illus. Pacific Northwest Forest and Range Exp. Sta., Portland, Oreg. (PNW)
- 0030 Boster, Ron S., and Terry C. Daniel. 1973. Measuring public responses to vegetative management. Ariz. Water Comm. (Phoenix, Ariz.) 16th Ariz. Watershed Symp. Proc., Sept. 20, 1972: 38-43, illus. (RM)
- 0031 Boster, Ron S., Paul F. O'Connell, and James Thompson. 1974. Recreation uses change mogollon rim economy. Forest Service Report, "Evaluation of the study area-mogollon rim area-land use planning study," December 1972. 1-7, illus. (RM)
- 0032 Boster, Ron. 1975. Methodologies for scenic assessment. Reprinted from: Visual Quality and the Coastal Zone. D. B. Harper and J. D. Warback (eds.). Proc. Conf. Workshop, SUNY, College of Environmental Science and Forestry, Syracuse, New York. illus. 78-102. (RM)
- 0033 Bowes, Michael D., and John F. Dwyer. 1980. Benefit-cost analysis in recreation: a reply to critics. Journal of Forestry, 78(1): 26-27. (NC)
- 0034 Branch, James R., and Stephen C. Fay. 1977. Recreation management planning for a multi-use scenic river corridor. In River Recreation Management and Research Symposium, January 24-27, 1977. Minneapolis, Minn. USDA, For. Serv. Gen. Tech. Rep., NC-28. illus. 142-146. (NC)
- 0035 Brown, Perry J., Beverly Driver and George Stankey. 1976. Human behavioral science and recreation management. Reprinted from: XVI IUFRO World Congress, Div. VI, June 1976, Oslo, Norway. 53-63. (RM)

- 0036 Brown, P. J., B. L. Driver, and C. McConnell. 1978. The opportunity spectrum concept and behavioral information in outdoor recreation resource supply inventories: background and application. In Proceedings, National Workshop on Integrated Inventories of Renewable Natural Resources, Jan. 8-12, 1978, Tucson, AZ. USDA For. Serv. Gen. Tech. Rep., RM-55, 1978. 73-48. (RM)
- 0037 Brown, Perry J., Driver, B. L., Berry, Joseph K. 1981. Use of the recreation opportunity spectrum for planning of arid lands. In: Lund, H. Gyde [et al.] tech. coords. Arid land resource inventories: Developing cost-efficient methods: Proceedings of the workshop; 1980 November 30-December 6; La Paz, Mexico. Gen. Tech. Rep. WO-28. Washington, D.C.: U.S. Department of Agriculture, Forest Service. 123-128. (RM)
- 0038 Brown, Perry J. 1982. Psychological benefits of outdoor recreation. In: Social Benefits of Outdoor Recreation: Kelly, J. R., ed. Champaign, IL: Leisure Behavior Research Laboratory, University of Illinois; 1982. 13-17. (RM)
- 0039 Brown, Perry J.; Manfredo, Michael J. 1982. Recreation Opportunity Spectrum planning--an arid lands case. Austral. J. Parks and Rec. 5: 45-49; 1982. (RM)
- 0040 Brush, Robert O., and Elwood L. Shafer. 1975. Application of a landscape preference model to land management. In Landscape Assessment, edited by Ervin H. Zube, Robert O. Brush, and Julius Gy Fabos. Published by Dowden, Hutchinson, and Ross, Inc., Stroudsburg, Pa. 173-177, illus. (NE)
- 0041 Brush, Robert O. 1976. Perceived quality of scenic and recreational environments. In Perceiving Environmental Quality, Kenneth H. Craik and Ervin H. Zube (eds.), Plenum Press, New York and London. 58 p. (NE)
- 0042 Brush, Robert O. 1976. Spaces within the woods: managing forests for visual enjoyment. J. of Forestry, 74(11). illus. 4 p. (NE)
- 0043 Brush, Robert O. 1978. Managing forests for esthetic benefits. In Urban Foresters Notebook. S. Little (ed.). USDA For. Serv. Gen. Tech. Rep., NE-49. 190 p. (NE)
- 0044 Brush, Robert O. 1979. The attractiveness of woodlands: perceptions of forest landowners in Massachusetts. For. Sci. 25(3): 495-506. (NE)
- 0045 Brush, Robert O., and James F. Palmer. 1979. Measuring the impact of urbanization on scenic quality: land use change in the Northeast. In Our National Landscape: A Conference on Applied Techniques for Analysis and Management of the Visual Resource, Lake Tahoe, NV, April 23-25, 1979. USDA For. Serv. Gen. Tech. Rep., PSW-35. 358-364. (NE)
- 0046 Brush, R. O. 1980. Forests can be managed for aesthetics: a study for forest landowners in Massachusetts. In Proceedings, National Urban Forestry Conference, Nov. 13-16, 1978, Wash., DC. G. Hopkins (ed.). SUNY, ESF Pub. 80-003, Vol. 1. 349-360. (NE)

- 0047 Brush, Robert. 1981. Forest esthetics as the owners see it. Amer. For. 87(5): 15-19, 46. (NE)
- 0048 Brush, Robert. 1981. Land form and scenic preference: a research note. Landsc. Pl. 8(3): 301-306. (NE)
- 0049 Bryan, Hobson. 1979. Conflicts in the great outdoors: toward understanding and managing for diverse sportsmen preferences. Social Stud. No. 4. Bur. Public Adm., Univ. of Alabama, University, AL. 98 p. (SE)
- 0050 Buckhouse, John C., George B. Coltharp, and Philip A. Barker. 1974. Impact of simulated recreation on soil compaction as modified by site and management techniques. Proc. Utah Acad. Sci., Arts, and Letters. 50: 17-24. (INT)
- 0051 Burch, William R., Jr. 1964. Two concepts for guiding recreation management decisions. J. Forest. 62: 707-712, illus. (PNW)
- 0052 Burch, William R., Jr. 1964. A new look at an old friend--Observation as a technique for recreation research. Pacific Northwest Forest and Range Exp. Sta. 19 pp., illus. (PNW)
- 0053 Burch, William R., Jr. 1964. Who goes into the Three Sisters Wilderness Area, and why do they go? Northwest Conifer 10(5): 10-11. (PNW)
- 0054 Burch, William R., Jr. 1965. Wilderness recreation research in the Forest Service, Pt. 2. Fifth Bien. Conf. Northwest Wilderness Proc. 1964: 36-40. (PNW)
- 0055 Burch, William R., Jr. 1965. The play world of camping: research into the social meaning of outdoor recreation. Amer. J. Sociol. 70: 604-612. (NW)
- 0056 Burch, William R., Jr. 1966. Wilderness--The life cycle and forest recreational choice. J. Forest. 64(9): 606-610, illus. (PNW)
- 0057 Burch, William R., Jr., and Wenger, Wiley D., Jr. 1967. The social characteristics of participants in three styles of family camping. USDA Forest Serv. Pacific Northwest Forest and Range Exp. Sta., Portland, Ore., Res. Pap. PNW-48, 30 pp., illus. (PNW)
- 0058 Burgess, Robert L., Roger N. Clark, and John C. Hendee. 1971. An experimental analysis of anti-litter procedures. J. Appl. Behav. Anal. 4(2): 71-75, illus. (PNW)
- 0059 Burke, Hubert D. 1964. Picnic-table use depends upon distance from parking area. J. Forest. 62: 752-753 (NE)
- 0060 Burke, Hubert D., Lewis, Glenn H., and Orr, Howard R. 1968. A method for classifying scenery from a roadway. Park Practice Guideline 22: 125-141, illus. (PNW)
- 0061 Burke, Hubert D. 1969. Wilderness engenders new management traditions. Living Wilderness 33(106): 9-13, illus. (PNW)

- 0062 Bury, Richard L. 1962. Measuring recreation use. In Recreation in wildland management - selected speeches and discussions. 14th Annu. Univ. Calif. Ext. Forestry Field School, Apr. 9-13, 1962. (n.p.) (PSW)
- 0063 Bury, Richard L. and Hall, James W. 1963. Estimating past and current attendance at winter sports areas...a pilot study. USDA Forest Serv. Res. Note PSW-33, 7 pp. (PSW)
- 0064 Bury, Richard L. 1964. Information on campground use and visitor characteristics. USDA Forest Serv. Res. Note PSW-43, 3 pp. (PSW)
- 0065 Bury, Richard L. 1964. Do campers fit our campgrounds? Trends in Parks and Recreation 1(1): 15-16, illus. (PSW)
- 0066 Bury, Richard L. and Margolies, Ruth. 1964. A method for estimating current attendance on sets of campgrounds...a pilot study. USDA Forest Serv. Res. Note PSW-42, 6 pp. (PSW)
- 0067 California Region. 1960. Wilderness area management--An administrative study of a portion of the High Sierra wilderness area. U.S. Dep. Agr., 63 pp. (USDA)
- 0068 California Region. 1963. Collecting user fees on National Forest recreation sites--An administrative study. U.S. Dep. Agr., 13 pp. (USDA)
- 0069 Camp, Harry W. 1960. Recreation for the future--USDA Forest Service viewpoint. Soc. Amer. Forest. Proc., Washington, D.C. (WO)
- 0070 Camp, Harry W. 1961. Recreation--A part of forest land management. Virginia Tech. Forest., Vol. XIII, 2 pp. (WO)
- 0071 Campbell, Frederick., Hendee, John C., and Clark, Roger. 1968. Law and order in public parks. Parks & Recreation III(12): 28-31, 51-55, illus. (PNW)
- 0072 Campbell, Frederick L., Hendee, John C., and Clark, Roger. 1969. You can preserve law and order in the parks. Better Camping 10(6): 36-40, illus. (PNW)
- 0073 Campbell, Frederick L. 1970. Participant observation in outdoor recreation. J. Leisure Res. 2: 226-236. (PNW)
- 0074 Campbell, Gene E.; Countryman, David W. 1981. Comparing estimated wilderness costs among National Forests. J. For. 79(9): 605-607; 1981. (INT)
- 0075 Canon, L. K., Steven Adler, and R. E. Leonard. 1979. Factors affecting dispersion of backcountry campsites. USDA For. Serv. Res. Note, NE-276, 1979. 6 p. (NE)
- 0076 Catton, William R., Jr., and Hendee, John C. 1968. Wilderness users, what do they think? Amer. Forests 74(9): 28-31, 60, 61, illus. (PNW)

- 0077 Catton, William R., Jr. 1969. Motivations of wilderness users. Pulp & Pap. Mag. of Can. WS Index 2528 (F3), 121-126. (PNW)
- 0078 Cherem, Gabriel Jerome. 1973. Looking through the eyes of the public or public images as social indicators of aesthetic opportunity. Proc. of Aesthetics College. (Ed. by Dr. Perry J. Brown, Colorado State Univ.), cosponsored by Utah State Univ. and the U.S. Army Corps of Engineers, Park City, Utah, Oct. 16-19, 1972: 11 p., illus. (NC)
- 0079 Christensen, Harriet H., and Roger N. Clark. 1978. Understanding and controlling vandalism and other rule violations in urban recreation areas. In Proceedings, National Urban Forestry Conference, Nov. 13-16, Wash., D.C. SUNY, ESF Pub. 80-003, Vol. 1. 63-84. (PNW)
- 0080 Christensen, Harriet H. 1982. Bystander intervention and litter control: Evaluation of an appeal-to-help program. Res. Pap. PNW-287. Portland, OR. U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station; 1982. 25 p. (PNW)
- 0081 Chubb, Michael, Westover, Theresa N. 1981. Antisocial behavior: Typology, messages, and implications for recreation resource managers. In: Proceedings of the annual meeting, Society of American Foresters; 1980 October 5-8; Spokane, WA. 271-278. (NC)
- 0082 Cieslinski, Thomas J., and Alan Wagar. 1970. Predicting the durability of forest recreation sites in northern Utah--preliminary results. USDA Forest Serv. Res. Note INT-117, 7 p., illus. Intermountain Forest and Range Exp. Sta., Ogden, Utah. (INT)
- 0083 Clark, Roger N. 1971. Undesirable behavior in forest campgrounds. In Recreation Symp. Proc., Syracuse, N. Y., Oct. 12-14, 1971: 150-155. USDA Forest Serv. Pacific Northwest Forest and Range Exp. Sta., Portland, Oreg. (PNW)
- 0084 Clark, Roger N. 1971. Values, behavior, and conflict in modern camping culture. J. Leisure Res. 3: 143-159. (PNW)
- 0085 Clark, Roger N., John C. Hendee, and Frederick L. Campbell. 1971. Depreciative behavior in forest campgrounds: An exploratory study. USDA Forest Serv. Res. Note PNW-161, 12 p. Pacific Northwest Forest and Range Exp. Sta., Portland, Oreg. (PNW)
- 0086 Clark, Roger N., John C. Hendee, and Robert L. Burgess. 1972. Litterbags. An evaluation of their use. USDA Forest Serv. Res. Note PNW-184, 5 p. Pacific Northwest Forest and Range Exp. Sta., Portland, Oreg. (PNW)
- 0087 Clark, Roger N., Robert L. Burgess, and John C. Hendee. 1972. The development of anti-litter behavior in a forest campground. J. Appl. Behav. Anal. 5(1): 1-5, illus. (PNW)

- 0088 Clark, Roger N. 1974. Social science, social scientists, and wildlife management. Thirth-Eighth Federal-Provincial Wildlife Conference Transactions, Victoria, B.C. 103-107. (PNW)
- 0089 Clark, Roger H., George H. Stankey, and John C. Hendee. 1974. An introduction to CODINVOLVE: A system for analyzing, storing, and retrieving public input to resource decisions. USDA Forest Serv. Res. Note PNW-223, 16 p. (PNW)
- 0090 Clark, Roger. 1976. Control of vandalism in recreation areas--fact, fictions, or folklore? Reprinted from: USDA, For. Serv. Gen. Tech. Rep., PSW-17. 62-72. (PSW)
- 0091 Clark, Roger. 1976. How to control litter in recreation areas: the incentive system. USDA, For. Serv. 10 p. (PSW)
- 0092 Clark, Roger N., and George H. Stankey. 1976. Analyzing public input to resource decisions: Criteria, principles and case examples of the codinvolve system. Nat. Res. J. 16(1): 214-236. (PNW)
- 0093 Clark, Roger. 1977. Alternative strategies for studying river recreationists. In River Recreation Management and Research Symposium, January 24-27, 1977, Minneapolis, Minn. USDA, For. Serv. Gen. Tech. Rep., NC-28. (PSW)
- 0094 Clark, Roger N., and Robert C. Lucas. 1978. The forest ecosystem of southeast Alaska: outdoor recreation and scenic resources. USDA For. Serv. Gen. Tech. Rep., PNW-66. 116 p. (PNW)
- 0095 Clark, Roger N., and George H. Stankey. 1979. The recreation opportunity spectrum: a framework for planning, management, and research. USDA For. Serv. Gen. Tech. Rep., PNW-98. 32 p. (INT)(PNW)
- 0096 Clark, Roger N., and George J. Stankey. 1979. Determining the acceptability of recreational impacts: an application of the outdoor recreation opportunity spectrum. In Proceedings, Recreation Impact on Wildlands Conference, Portland, OR. Ruth Ttner and others (eds.). USDA For. Serv. R-6-001, 1979. 32-42. (INT)(PNW)
- 0097 Clark, Roger N. 1982. Promises and pitfalls of the ROS in resource management. Aust. Parks and Recreation. 1982 May: 9-13. (PNW)
- 0098 Cole, David N. 1979. Reducing the impact of hikers on vegetation: an application of analytical research methods. In Proceedings, Recreational impact on wildlands Conference, Portland, OR. Ruth Ttner and others (eds.). USDA For. Serv. R-6-001, 1979.. 71-78. (INT)
- 0099 Cole, G. L., and W. F. LaPage. 1980. Camping and RV travel trends. In Proceedings, 1980 National Outdoor Recreation Trends Symposium. USDA For. Serv. Gen. Tech. Rep. NE-57. 165-177. (NE)

- 0100 Cole, David N. 1981. Managing ecological impacts at wilderness campsites: an evaluation of techniques. J. For. 79(2): 86-89. (INT)
- 0101 Cole, David N. 1981. Vegetational changes associated with recreational use and fire suppression in the Eagle Cap Wilderness, Oregon: some management implications. Biol. Conserv. 20: 247-270. (INT)
- 0102 Cole, David N.; Schreiner, Edward G. S., compilers. 1981. Impacts of backcountry recreation: Site management and rehabilitation--an annotated bibliography. Gen. Tech. Rep. INT-121. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1981. 58 p. (INT)
- 0103 Cole, David, N. 1982. Vegetation of two drainages in Eagle Cap Wilderness, Wallowa Mountains, Oregon. Res. Pap. INT-288. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1982. 42 p. (INT)
- 0104 Cole, David, N. 1982. Wilderness campsite impacts: Effects of amount of use. Res. Pap. INT-284. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1982. 34 p. (INT)
- 0105 Cooper, Tamsie and Shaw, William W. 1979. Wildlands management for wildlife viewing. In: Elsner, national landscape: Proceedings of the national conference on applied techniques for analysis and management of the visual resource; 1979 April 23-25; Incline Village, NV. Berkeley, CA: Gen. Tech. Rep. PSW-35. U.S. Department of Agriculture, Forest Service, Pacific Southwest Forest and Range Experiment Station. 700-705. (RM)
- 0106 Cordell, Harold K., and Maddock, Stephen J. 1969. Recreational policies of the major pulp and paper companies in the South. J. Forestry 67(4): 229-231, illus. (SE)
- 0107 Cordell, Harold K., and Sykes, Clinton V. 1969. User preferences for developed-site camping. USDA Forest Serv. Southeast. Forest Exp. Sta., Asheville, N.C., Res. Note SE-122, 6 pp., illus. (SE)
- 0108 Cordell, Harold K. and Talhelm, Daniel R. 1969. Planting grass appears impractical for improving deteriorated recreation sites. USDA Forest Serv. Southeast. Forest Exp. Sta., Asheville, N.C., Res. Note SE-105, 2 pp., illus. (SE)
- 0109 Cordell, Harold K., George A. James, and Russell F. Griffith. 1970. Estimating recreation use at visitor information centers. USDA Forest Serv. Res. Pap. SE-69, 8 p., illus. Southeastern Forest Exp. Sta., Asheville, N.C. (SE)
- 0110 Cordell, Harold K., and George A. James. 1971. Supplementing vegetation on southern Appalachian recreation sites with small trees and shrubs. J. Soil and Water Conserv. 26: 235-238, illus. (SE)

- 0111 Cordell, Harold K., and George A. James. 1972. Visitors' preferences for certain physical characteristics of developed campsites. USDA Forest Serv. Res. Pap. SE-100, 21 p., illus. Southeastern Forest Exp. Sta., Asheville, N.C. (SE)
- 0112 Cordell, Harold K., George A. James, and Gary L. Tyre. 1974. Grass establishment on developed recreation sites. Journal of Soil and Water Conservation, November-December. 29(6): 268-271. (SE)
- 0113 Cordell, Harold K. 1976. Substitution between privately and publicly supplied urban recreational open space. Reprinted from: Journal of Leisure Research, 8(3). 160-174. (SE)
- 0114 Cordell, H. K. 1977. Analysis of research needs for recreation and preserved lands management in Western North Carolina. In Proceedings of the Western North Carolina Research-Resource Management Conference. The Southern Appalachian Research-Resource Management Cooperative, Sept. 14-16, 1977. Raleigh, NC. 95-100. (SE)
- 0115 Cordell, H. K., M. H. Legg, and R. W. McLellan. 1978. The private outdoor recreation estate. In the Federal Role in the Private Sector of Outdoor Recreation, Heritage Conservation and Recreation Service. Chapter 2. 62 p. (SE)
- 0116 Cordell, H. Ken. 1980. The status and future of outdoor recreation on the South's private forests: In Proceedings, Recreation in the South's Third Forest, Apr. 1979, Louisiana State Univ., Baton Rouge, LA. Charles L. Shilling (ed.). 5-31. (SE)
- 0117 Cordell, H. Ken, and L. M. Anderson. 1980. Outdoor recreation research: current activities and needs. In Appendix to 1980 Proceedings National Outdoor Recreation Trends Sympo. USDA For. Serv. Gen. Tech. Rep., NE-57. 2-15. (SE)
- 0118 Cordell, H. Ken, Robert W. McLellan, and Michael H. Legg. 1980. Managing private rural land as a visual resource. In Tourism Planning and Development Issues. International Symposium on Tourism and the Next Decade, Mar. 1979, George Wash. Univ., Wash., DC. Donald E. Hawkins, Elwood L. Shafer, and James M. Rovelstad (eds.). 87-97. (SE)
- 0119 Cormier, P. L., Nystrom, P. S. 1981. Trends in New Hampshire private Campgrounds during the seventies. USDA For. Serv. Res. Paper NE-489. 12 pages. (NE)
- 0120 Craik, Kenneth, Coates, Gary, and Moffett, Kenneth. 1969. Human responsiveness to landscape: An environmental psychological perspective. Stud. Publication Sch. of Design 18: 170-193, illus. (Coop. agree. with Calif. Univ.). (PSW)
- 0121 Crandall, Rick. 1980. Motivations for leisure. Journal of Leisure Research, 12(T): 45-54. (NC)

- 0122 Crawford, Hewlette S., Robert G. Hooper, and Richard F. Harlow. 1973. Campgrounds and bird sounds. Va. Wildlife 34: 22-27, illus. (SE)
- 0123 Crow, G. E., Graber, R. E. 1981. Research indicates hikers threaten endangered alpine plant. Appalachia Bulletin Issue 47(5): 7-8. (NE)
- 0124 Cushwa, Charles T. 1962. Forest recreation--How much? Virginia Wildlife XXIII(1): 12. (SE)
- 0125 Cushwa, Charles T. and James, George A. 1962. Measurement of forest recreation use. Southern Lumbermen 205 (2561): 150-151, illus. (SE)
- 0126 Cushwa, Charles T. and McGinnes, Burd S. 1963. Sampling procedures and estimates of year-round recreation use on 100 square mile of the George Washington National Forest. Twenty-eighth N. Amer. Wildlife and Natural Res. Conf. Trans., March 4, 5, 6, pp. 458-465. (SE)
- 0127 Cushwa, Charles T., and McGinnes, Burd S. 1964. Recreational use of the North River Area, George Washington National Forest. Virginia Wildlife 25(11): 16-17. (SE)
- 0128 Cushwa, Charles T., McGinnes, Burd S., and Ripley, Thomas H. 1965. Forest recreation estimates and predictions in the North river area, George Washington National Forest. Virginia Polytech. Inst. Exp. Sta. Bull. 558, 48 pp., illus. (SE)
- 0129 Cushwa, Charles T. 1969. Research in the Boundary Waters Canoe Area. Naturalist 20(1): 1. (NC)
- 0130 Dailey, Tom and Dave Redman. 1975. Guidelines for roadless area campsite spacing to minimize impact of human-related noises. USDA For. Serv. Gen. Tech. Rep., PNW-35. 1-19, illus. (PNW)
- 0131 Dana, S. T. 1957. Problem analysis--Research in forest recreation. U.S. Dep. Agr. Forest Serv., Washington, D.C., 36 pp. (WO)
- 0132 Daniel, Terry C., Lawrence Wheeler, Ron S. Boster, and Paul R. Best, Jr. 1973. Quantitative evaluation of landscapes: An application of signal detection analysis to forest management alternatives. Man-Environ. Syst. 3: 330-344, illus. (RM)
- 0133 Daniel, Terry C., and Ron S. Boster. 1976. Measuring landscape esthetics: the scenic beauty estimation method. USDA, For. Serv. Res. Pap., RM-167. illus. 66 p. (RM)
- 0134 Daniel, Terry C., Linda M. Anderson, Herbert W. Schroeder and Lawrence Wheeler, III. 1977. Mapping the scenic beauty of forest landscapes. In Leisure Sciences, 1(1). 35-52. (RM)
- 0135 Daniel, T. C., E. H. Zube and B. L. Driver. 1979. Assessing amenity resource values. USDA For. Serv. Gen. Tech. Rep., RM-68. Illus. 70 p. (RM)

- 0136 Davis, Hugh C. 1967. The significance of the forest environment to contemporary society. Soc. Amer. Forest. Proc. Sept. 12-15, 1966, Seattle, Wash., pp. 208-209. (NC)
- 0137 Davis, Hugh C. 1970. Technological change and recreation planning. In Elements of Outdoor Recreation Planning. B. L. Driver (ed.). Sch. Nat. Resources, U. of Mich. Ann Arbor. pp. 113-120 (NC)
- 0138 Dawson, Chad P., Decker, Daniel J., Lime, David W., and Ward C. 1981. Characteristics and management preferences of 1979 summer river recreationists on the Upper Delaware River. In: Natural Resources Research and Extension Series No. 15. Ithaca, New York: U.S. Department of Natural Resources, Cornell University Agricultural Experiment Station. 31 p. (NC)
- 0139 deBettencourt, J. S., G. L. Petersen, and Pai Kang Wang. 1978. Managing wilderness travel: a Markov-based linear programming model. Environment and Planning, Vol. 10. 71-79. (NC)
- 0140 deBettencourt, James S.; Peterson, George L. 1981. Environmental threshold functions for user oriented resource planning and management. Water Resour. Bull. 17(6): 1050-1055; 1981. (NC)
- 0141 DeGraaf, Richard M., and Jack Ward Thomas. 1974. A banquet for the birds. Natur. Hist. 83(1): 40-45, illus. (NE)
- 0142 DeGraaf, Richard M., and Brian R. Payne. 1975. Economic values of nongame birds and some urban wildlife research needs. Trans. North Amer. Wildlife and Nat. Res. Conf. 40: 281-287. (NE)
- 0143 DeGraaf, Richard M. 1977. Bringing in the birds. Massachusetts Wildlife, 28(5): 14-17. (NE)
- 0144 DeGraaf, Richard M. 1978. New life from dead trees. National Wildlife, 16(4): 28-31. (NE)
- 0145 DeGraaf, Richard M. and Gretchin M. Witman. 1979. Trees, Shrubs and Vines for Attracting Birds: a Manual for the Northeast. The University of Massachusetts Press, Amherst, MA. 194 p. (NE)
- 0146 Dean, J., and G. Singer. 1979. Open space preservation in the New Jersey pinelands. Princeton University, Center for Environmental Studies Rep., PU/CES 79, Princeton, NJ. (NE)
- 0147 Devlin, Ann Sloan. 1973. Some factors in enhancing knowledge of a natural area. W.F.E. Preiser (Ed.), Environmental Design Research, Vol. 2 Stroudsburg, Pa.: Dowden, Hutchinson & Ross. 8 p.
- 0148 Dick, Ronald E., David T. McKee, and J. Alan Wagar. 1974. A summary and annotated bibliography of communication principles. Jour. of Environ. Ed., Summer 1974. 5(4): 8-13. (PNW)

- 0149 Dick, Ronald E., Eric Myklestad, and J. Alan Wagar. 1975. Audience attention as a basis for evaluating interpretive presentations. USDA For. Serv. Res. Pap., PNW-198. 7 p. (PNW)
- 0150 Downing, Kent B., Phillip B. Delucchi and William R. Williams. 1977. Impact of the douglas-fir tussock moth on forest recreation in the Blue Mountains. Published in cooperation with the USDA Douglas-Fir Tussock Moth Program. USDA, For. Serv. Res. Pap., PNW-224. illus. 14 p. (PNW)
- 0151 Downing, Kent, and Roger N. Clark. 1979. Users' and managers' perceptions of dispersed recreation impacts: a focus on roaded forest lands. In Proceedings, Recreational Impact on Wildlands Conference. USDA For. Serv. R-6-001, 1979. 18-23. (PNW)
- 0152 Driver, Beverly L. 1974. Quantification of outdoor recreationists' preferences. Research: camping and environmental education. The Penn. State Univ., University Park, Pa., Betty Van de Smissen and J. Myers, . Editors. HPER No. 11. 166-188. (RM)
- 0153 Driver, Beverly L. 1975. Toward a better understanding of the social benefits of outdoor recreation participation. In Southern States Recreation Research Applications Workshop, September 15-18, 1975, June 1976. 27 p. (RM)
- 0154 Driver, Beverly L., and John R. Bassett. 1975. Defining conflicts among river users: A case study of Michigan's Au Sable River. Naturalist. 26(1): 19-23. (RM)
- 0155 Driver, Beverly L., and Perry J. Brown. 1975. A social-psychological definition of recreation demand, with implications for recreation resource planning. Assessing demand for outdoor recreation, Wash. D.C., September 1975. 63-83. (RM)
- 0156 Driver, Beverly L., and Peter Greene. 1975. Man's nature: innate determinants of response to natural environments. Reprinted from: Children, Nature, and the Urban Environment: Proceedings of a Symposium Fair, May 19-23, 1975, Washington, D.C. USDA, For. Serv. Gen. Tech. Rep., NE-30. 63-70. (RM)
- 0157 Driver, B. L. and R. C. Knopf. 1976. Temporary escape: one product of sport fisheries management. Fisheries, (1)2: 21-29. (RM)
- 0158 Driver, Beverly L. 1977. Specificity in defining environmental preferences at the individual level. Reprinted from: Proceedings of a Workshop on the measure of Intangible Environmental Impacts. EPRI, EA-405-SR, WS-76-78, Special Report, March 1977. 4-8. (RM)
- 0159 Driver, Beverly L., and John R. Bassett. 1977. Problems of defining and measuring the preferences of river recreationists. Reprinted from: River Recreation Management and Research Symposium, January 24-27, 1977, Minneapolis, Minn. USDA, For. Serv. Gen. Tech. Rep., NC-28. 267-272. (RM)

- 0160 Driver, B. L., and R. W. Cooksey. 1977. Preferred psychological outcomes of recreational fishing. In Catch-and-Release Fishing as a Management Tool: a National Sport Fishing Symposium, Sept. 7-8, 1977. Humbolt State Univ., Arcata, CA. 27-40. (RM)
- 0161 Driver, Beverly L., and Richard C. Knopf. 1977. Personality, outdoor recreation and expected consequences. In Environment and Behavior 9(2), June 1977. 169-193. (RM)
- 0162 Driver, B. L., and Perry J. Brown. 1978. The opportunity spectrum concept and behavioral information in outdoor recreation resource supply inventories: a rationale. In Integrated Inventories of Renewable Natural Resources: Proceedings of the Workshop, Jan. 8-12, 1978. USDA For. Serv. Gen. Tech. Rep., RM-55, 1978. 24-31. (RM)
- 0163 Driver, B. L. 1979. Potential contributions of psychology to recreation resources management. In Environment and the Social Sciences: Perspectives and Applications. J. F. Wohlwill and D. H. Carson (eds.). The American Psychological Assn. 233-244. (RM)
- 0164 Driver, B. L. 1980. Outdoor recreation, a developing profession. In Proceedings, Trails and Rivers Symposium, Nov. 7-8, 1979. Wyoming Recreation Commission, Cheyenne, WY. 152 p. (RM)
- 0165 Driver, Beverly L., Knopf, Richard C. 1981. Some thoughts on the quality of outdoor recreation research and other constraints on its application. In: Proceedings, 1980 Conference on Social Research in National Parks and Wilderness Areas; 1980 March 21-22, Gatlinburg, TN. Atlanta, GA: U.S. Department of Interior, National Park Service, Southeast Regional Office. 85-99. (NC)
- 0166 Driver, B. L.; Koch, Niels Elers. 1981. Conditions which nurture the application of forest recreation research results. J. Tech. Trans. 6(1): 33-40; 1981. (RM)
- 0167 Driver, B. L.; Rosenthal, D. H. 1982. Measuring and improving effectiveness of public outdoor recreation programs: Report of the Workshop on Recreation Output Measures. Washington, D.C.; George Washington University; 1982. 40 p. (RM)
- 0168 Dwyer, John F., and Michael D. Bowes. 1978. Concepts of value for water-based recreation opportunities. Water International, 3(3): 11-15. (NC)
- 0169 Dwyer, John F., and Michael D. Bowes. 1978. Concepts of value for marine recreational fishing. Amer. Jour. Agric. Econ., 60(5): 1008-1012. (NC)
- 0170 Dwyer, John F., and Michael D. Bowes. 1979. Benefit-cost analysis for appraisal of recreation alternatives. Jour. of For., 7(3): 145-147. (NC)

- 0171 Dwyer, John F., John R. Kelly, Michael D. Bowes, and Marianne Bowes. 1979. Needed improvements in recreation benefits estimation. *Jour. of Leisure Research*, 11(4): 327-333. (NC)
- 0172 Dwyer, J. F. 1980. Estimating consumer satisfaction associated with an increase in public tourism supply: an economic approach. In: *Tourism Planning and Development Issues: Proceedings of the International Symposium on Tourism and the Next Decade*; 1979 March 11-15; Washington, D.C. George Washington University. 371-379. (NC)
- 0173 Dwyer, John F. 1980. Economic benefits of wildlife-related recreation experiences. In: *Wildlife Values*, Shaw, William W.; Zube, Ervin, H., eds. Institute Service Report No. 1, Center for Assessment of Noncommodity Natural Resource Values, University of Arizona. 62-69. (NC)
- 0174 Dwyer, John F. 1980. Managing urban forests for recreation. *Trends* 17(4): 11-14. (NC)
- 0175 Dwyer, John F. 1981. Wilderness in century III. *Parks and Rec.* 16(1): 60-63. (NC)
- 0176 Dwyer, John F., Espeseth, Robert D., McLaughlin, David L. 1981. Expected and actual local impacts of reservoir recreation. Chapter 10. In: Napier, Ted L., ed. *Outdoor Recreation Planning, Perspectives, and Research*; Dubuque, IA: Kendall/Hunt Publishing Company. 113-120. (NC)
- 0177 Echelberger, Herbert E., and Shafer, Elwood L., Jr. 1968. Some managers' viewpoints on campers and campground operation. USDA Forest Serv. Northeast. Forest Exp. Sta., Upper Darby, Pa., Res. Note NE-88, 6 pp., illus. (NE)
- 0178 Echelberger, Herbert E., and Elwood L. Shafer, Jr. 1970. Snow & (X) = use of ski slopes. *J. Marketing Res.* VII: 388-392. (NE)
- 0179 Echelberger, Herbert E. 1971. Vegetative changes at Adirondack campgrounds 1964 to 1969. USDA Forest Serv. Res. Note NE-142, 8 p., illus. Northeastern Forest Exp. Sta., Upper Darby, Pa. (NE)
- 0180 Echelberger, Herbert E., and George H. Moeller. 1973. Toward a better understanding of recreational boating in the Adirondack Lakes region. *Water Resour. Bull.* 9(6): 1266-1272, illus. (NE)
- 0181 Echelberger, Herbert E. 1974. Environmental perception and urban forestry. *Univ. Wisc. Urban For. Conf. Proc.* Stevens Point. 17-28. (NE)
- 0182 Echelberger, Herbert E. 1974. Poor "promotion-itis"? *J. Travel Res. (The Travel Res. Ass.--ITRA)* XII(3): 5-6, illus. (NE)
- 0183 Echelberger, Herbert E. 1974. Timber management and aesthetics: A dilemma. *N.Y. For.* 31(2): 21-23. (NE)

- 0184 Echelberger, Herbert E., D. H. Deiss, and D. A. Morrison. 1974. Overuse of unique recreation areas, a look at the social problems. *Journ. of Soil and Water Conserv.* 29(4): 173-176. (NE)
- 0185 Echelberger, Herbert E., G. H. Moeller, and R. E. Leonard. 1975. Recreation problems and opportunities. *Municipal Watershed Management Symposium Proceedings.* USDA For. Serv. Gen. Tech. Rep., NE-13. 154-161. (NE)
- 0186 Echelberger, H. E. 1976. Impacts of logging in northern hardwoods--Part 3--Public reactions. *Northern Logger and Timber Processor*, 25(2): 6-9, 34. (NE)
- 0187 Echelberger, Herbert E., and George H. Moeller. 1977. Use and users of the cranberry backcountry in West Virginia: insights for eastern backcountry management. *USDA, For. Serv. Res. Pap.*, NE-363. illus. 8 p. (NE)
- 0188 Echelberger, H. E., and Silas Little. 1978. Wooded areas managed for intensive recreation. In *Urban Foresters Notebook*. Silas Little (ed.). USDA For. Serv. Gen. Tech. Rep., NE-49, 1978. 6 p. (NE)
- 0189 Echelberger, H. E., R. E. Leonard and M. L. Hamblin. 1978. The trailguide system as a backcountry management tool. *USDA For. Serv. Res. Note* NE-266. 5 p. (NE)
- 0190 Echelberger, H. E. 1979. The semantic differential in landscape research. In *Our National Landscape*. USDA For. Serv. Gen. Tech. Rep., PSW-35. 524-531. (NE)
- 0191 Echelberger, Herbert E., and J. Alan Wagar. 1979. Noncommodity values of forests and woodlands. In *Planning the Uses and Management of Land*, Agronomy Monogr. No. 21, Amer. Soc. of Agronomy, Crop Sci. Soc. of America, Soil Sci. of America. Madison WI. Chapter 17. 429-433. (NE)
- 0192 Echelberger, H. E. 1980. Secrets of the skier survey. In *Ski Area Management*. 19(6):16,18,32. (NE)
- 0193 Echelberger, H. E., Adler, S., Canon, Lance K., Leonard, R. E. 1980. The backcountry campsite selection process. In: *Proceedings Wilderness Psychology Group Annual Conference; 1980 August 14-15; University of New Hampshire, Durham, NH.* 162-166. (NE)
- 0194 Echelberger, H. E., Leonard, R. E., Plumley, H. J. 1981. Validation of trailside registration boxes. *J. Soil and Water Conservation*. 36(1):53-54. (NE)
- 0195 Echelberger, Herbert E.; Canon, Lance K.; Leonard, Raymond E.; Alder, Steve. 1982. Social research in the backcountry: a compendium of survey questions. *Gen. Tech. Rep. NE-67.* Durham, NH: U.S. Department of Agriculture, Forest Service, Northeastern Forest Experiment Station; 1982: 131 p. (NE)

- 0196 Ekholm, Art. 1977. The impact of tourism in the Flagstaff trade area. In Northern Arizona Economic Review, Northern Arizona University, Flagstaff, Arizona, 3(4), Spring 1977. 1 p. (RM)
- 0197 Ellison, Lincoln. 1942. Trends of forest recreation in the United States. J. Forest. 40(8): 630-638. (INT)
- 0198 Elsner, Gary H. 1970. Camping use-axle count relationship: Estimation with desirable properties. Forest Sci. 16: 493-495, illus. (PSW)
- 0199 Elsner, Gary H. 1970. Determining the impact of demand on the visual resource. In An Economic Study of the Demand for Outdoor Recreation. A collection of papers presented at the Annu. Meet. of the Coop. Reg. Res. Tech. Comm. for Proj. Number WM-59, Rep. Number 2, Reno, Nev., 147-157B, illus. (PSW)
- 0200 Elsner, Gary H. 1971. A regression method for estimating the level of use and market area of a proposed large ski resort. J. Leisure Res. 3: 160-167, illus. (PSW)
- 0201 Elsner, Gary H. 1971. Computing visible areas from proposed recreation developments . . . a case study. USDA Forest Serv. Res. Note PSW-246, 10 p., illus. Pacific Southwest Forest and Range Exp. Sta., Berkeley, Calif. (PSW)
- 0202 Elsner, Gary H. 1971. Campground users. . . a computerized method for summarizing where they come from and how long they stay. USDA Forest Serv. Res. Note PSW-258, 5 p., illus. Pacific Southwest Forest and Range Exp. Sta., Berkeley, Calif. (PSW)
- 0203 Elsner, Gary H. 1971. Using error measures to compare models on recreation use. J. Leisure Res. 3: 277-278. (PSW)
- 0204 Elsner, Garry H. 1972. Wilderness management . . . a computerized system for summarizing permit information. USDA Forest Serv. Gen. Tech. Rep. PSW-2, 8 p., illus. Pacific Southwest Forest and Range Exp. Sta., Berkeley, Calif.
- 0205 Elsner, Gary H., and Ronald A. Oliveira. 1973. Predicting traffic load impact of alternative recreation developments. USDA Forest Serv. Res. Pap. PSW-96, 12 p., illus. Pacific Southwest Forest and Range Exp. Sta., Berkeley, Calif. (PSW)
- 0206 Elsner, Gary H. 1975. Computer management of recreation data: terrain and usage studies for land use planning. In Systems Analysis and Resource Management Group, Society of American Foresters at the University of Georgia, Athens, Georgia, August 11-13, 1975. illus. 351-367. (PSW)
- 0207 Elsner, Gary H., and Michael R. Travis. 1976. The role of landscape analytics in landscape planning. In Southern States Recreation Research Applications Workshop, September 15-18, 1975, Asheville, North Carolina. USDA, For. Serv. Gen. Tech. Rep., SE-9, June 1976. 74-87. (PSW)

- 0208 Elsner, Gary H. 1976. Quantifying landscape dimensions for land use planning. In XVI IUFRO World Congress Proceedings, Div. VI. Oslo, Norway, 1976. 29-37. (PSW)
- 0209 Elsner, Gary H. 1977. State-of-the-art methods for research, planning, and determining the benefits of outdoor recreation. USDA For. Serv. Gen. Tech. Rep., PSW-20. 62 p. (PSW)
- 0210 Elsner, Gary H. 1978. Forests, plains and wildlands--or how to get the most out of your landscape research budget. In Analysis & Development of the Visual Resources. Colorado Chapter, Amer. Soc. of Landscape Architects, Denver, CO. 43-44 (PSW)
- 0211 Elsner, Gary H. 1979. Computers and the landscape. In Proceedings, Our National Landscape: a conference on applied techniques for analysis and management of the visual resource, Apr. 23-25, 1979. Incline Village, NV. USDA For. Serv. Gen. Tech. Rep., PSW-35. 88-92. (PSW)
- 0212 Elsner, G. H., A. W. Magill, C. Schwarz and E. C. Thor. 1979. Planning other land uses for public rangelands. In Planning the Uses and Management of Land, Agron. Mono. No. 21. Amer. Soc. Agron., Crop Sci. Soc. Amer., and Soil Sci. Soc. Amer., Madison, WI. Chapter 14. 355-362. (PSW)
- 0213 Erickson, D. L., H. K. Cordell, and A. C. Davis. 1977. Public land policy: an evaluation of decision and citizen involvement systems. Jour. Env. Mgt. 356-377. (SE)
- 0214 Erickson, D. L. [and others]. 1980. RECAL: A computer program for selecting sample days for recreation use estimation. Gen. Tech. Rep. SE-19. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southeastern Forest Experiment Station. 11 p. (SE)
- 0215 Erickson, D. L., D. J. Liu, and H. K. Cordell. 1980. Automatic, time-interval traffic counts for recreation area management planning. In Proceedings, 1980 National Outdoor Recreation Trends Symposium, Vol. II. USDA For. Serv. Gen. Tech. Rep., NE-57. 115-124. (SE)
- 0216 Evison, Boyd. 1979. Research, monitoring, inventory, and education at Great Smoky Mountains National Park. In Selection, Management & Utilization of Biosphere Reserves. USDA For. Serv. Gen. Tech. Rep., PNW-82, 1979. 77-89. (PNW)
- 0217 Fabos, Julius Gy., and Kimball H. Ferris. 1975. Computechinics in the Landscape - new trends in computer technology, their utility and importance for landscape architects and others.. Landscape Architecture. 102-104. (NE)
- 0218 Fay, Stephen C. 1975. Groundcover vegetation management at backcountry recreation sites. USDA For. Serv. Res. Note, NE-201. 5 p. (NE)
- 0219 Fay, S. C., and R. E. Leonard. 1977. Handling backcountry privy wastes by bin composting. Appalachia. 118-122. (NE)

- 0220 Fay, Stephen, C., and R. H. Walke. 1977. The composting option for human waste disposal in the backcountry. USDA For. Serv. Res. Note, NE-246. 3 p. (NE)
- 0221 Fay, S.C., and R. E. Leonard. 1979. Composting privy wastes at recreation sites. Comp. Sci. 20(1): 36-39. (NE)
- 0222 Field, Donald E., and J. Alan Wagar. 1973. Visitor groups and interpretation in parks and other outdoor leisure settings. J. Environ. Educ. 5(1): 12-17. (PNW)
- 0223 Field, Rebecca, R. E. Leonard, E. L. Spencer, and V. V. Steenberg. 1979. The role of volunteers in trail research. Long Distance Trails--The Appalachian trail as a guide to future research and management needs. Wm. R. Burch, Jr., (ed.). Yale Univ., New Haven, CT. 33-36. (NE)
- 0224 Field, Donald R.; Wagar, J. Alan. 1982. People and interpretation. In: Sharpe, Grant W., ed. Interpreting the environment. 2nd ed. New York: John Wiley; 1982: 53-72. (PSW)
- 0225 Folkman, William S. 1979. Urban users of wildland areas as forest fire risks. USDA For. Serv. Res. Paper, PSW-137. illus. 22 p. (PSW)
- 0226 Forest Service Equipment Development Center. 1975. Surfacing forest trails with crushed rocks. USDA For. Serv. Equip. Center, Missoula Montana Equipment Development and Test Report No. 7700-5. 1-13, illus. (INT)
- 0227 Fox, Douglas G. (N.D.) Impact of concentrated recreational development on air quality. Man, Leisure, and Wildlands: A complex interaction. Proc. of First Eisenhower Consortium Res. Symp., Sept. 14-19, 1975, Vail, Colorado. Eisenhower Consortium Bulletin No. 1. 259-273, illus. (RM)
- 0228 Franklin, Jerry F. 1978. Wilderness ecosystems. In Wilderness Management. John C. Hendee, George H. Stankey, and Robert C. Lucas (eds.). USDA Misc. Publ. 1365. Chapter 10. 190-212. (PNW)
- 0229 Frissell, Sidney S., Jr. and Duncan, Donald P.. 1965. Campsite preference and deterioration in the Quetico-Superior Cance Country. J. Forest. 63(4): 256-260. (NC)
- 0230 Frissell, Sidney S., Jr., George H. Stankey. 1973. Wilderness environ. qual.: Search for social and ecological harmony. Proc. Soc. Amer. Forest. Annu. Meet 1972: 170-183, illus. (INT)
- 0231 Frissell, Sidney S. 1978. Judging recreation impacts on wilderness campsites. Jour. of For. 76(8): 481-483. (INT)
- 0232 Frissell, Sidney S., Jr., Robert G. Lee, George H. Stankey, and Ervin H. Zube. 1980. A framework for estimating the consequences of alternative carrying capacity levels in Yosemite Valley. Landscape Planning, 7: 151-170. (INT)

- 0233 Gilbert, C. Gorman, George L. Peterson, and David W. Lime. 1972. Toward a model of travel behavior in the Boundary Waters Canoe Area. Environ. and Behavior 4(2): 131-157, illus. (NC)
- 0234 Godin, V. B., and R. E. Leonard. 1976. Guidelines for managing backcountry travels and usage. Trends, April/May/June: 33-37. (NE)
- 0235 Godin, Victor B., and Raymond E. Leonard. 1977. Design capacity for backcountry recreation management planning. J. of Soil and Water Cons. 32: 161-164. (NE)
- 0236 Godin, Victor B., and Raymond E. Leonard. 1977. Permit compliance in eastern wilderness: preliminary results. USDA For. Serv. Res. Note, NE-238. 3 p. (NE)
- 0237 Godin, V. B., Raymond E. Leonard and Quentin Buck. 1977. Who is violating the law of the land? An analysis of rule infractions on the White Mountain National Forest. Appalachia, 41(4): 8-20. (NE)
- 0238 Godin, V. B., and R. E. Leonard. 1979. Management problems in designated wilderness areas. Jour. Soil and Water Conserv., 34(3): 141-143. (NE)
- 0239 Gosz, James R. 1982. Non-point source pollution of water by recreation: research assessment and research needs. Eisenhower Consortium Bull. 13. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station; 1982. 14 p. (RM)
- 0240 Gould, E. M., Jr. 1961. Planning a recreation complex. Amer. Forests 67(8): 30-35, illus. (PSW)
- 0241 Gould, E. M., Jr. 1962. Forestry and recreation. Harvard Forest Pap. No. 6, Petersham, Mass., 17 pp. (PSW)
- 0242 Gratzer, Miklos A., and Edward H. Alkiewicz. 1978. Attitudes and travel patterns of boaters in the Pocono/Lake Wallenpuapack Region of Pennsylvania. SUNY Col. of Env. Sci. and For., Syracuse, NY. 25 p. (NE)
- 0243 Graves, P. F. and W. F. LaPage. 1978. Participant satisfaction with public involvement in USDA FS recreation policy. In Involvement and Environment: Proceedings of the Canadian Conference on Public Participation, Oct. 1977. Banff, Alberta, Canada. 297-311. (NE)
- 0244 Greenleaf, Robert D. 1977. Recreation and tourism data, New Hampshire. This research was sponsored jointly by the Northeastern Forest Experiment Station, USDA, Forest Service, and the Recreation and Parks Program, School of Health Studies, University of New Hampshire, June 1977. 49 p. (NE)
- 0245 Greenleaf, R. D. and W. F. LaPage. 1979. Recreation in the forestry curriculum--observations. In Recreation Resource Management and the Professional Forester: Proceedings of the Soc. of Amer. Foresters Rec. Working Group Tech. Session, October 1978. St. Louis, MO. 412-415. (NE)

- 0246 Greenleaf, R. D. and M. Wiley. 1980. New Hampshire recreation and tourism data bank, Sch. of Health Studies, Univ. of New Hampshire, Durham, NH. 56 p. (NE)
- 0247 Grigal, D. F., and Lewis F. Ohmann. 1975. Classification, description, and dynamics of upland plant communities within a Minnesota wilderness area. Ecological Monographs. 45(4): 389-407. (NC)
- 0248 Haas, Glen E., Deborah J. Allen, and Mike J. Manfredo. 1979. Some dispersed recreation experiences and the resource settings in which they occur. In Assessing Amenity Resource Values. USDA For. Serv. Gen. Tech. Rep., RM-6870 p. (RM)
- 0249 Haas, G. E., B. L. Driver, and P. J. Brown. 1980. A study of ski touring experiences on the White River National Forest. In Proceedings, North American Symposium on Dispersed Winter Recreation, Feb 27-29, 1980. Univ. of Minn., St. Paul, MN. (RM)
- 0250 Haas, Glenn E., Driver, B. L., Brown, Perry J. 1980. Measuring wilderness recreation experiences. In: Proceedings of the wilderness psychology group annual conference; 1980 August 14-15; Durham, NH. Durham, NH: University of New Hampshire. 20-40. (RM)
- 0251 Halls, Lowell K. 1978. Effects of timber harvesting on wildlife, wildlife habitat and recreation values. In Proceedings of a Symposium on Complete Tree Utilization of Southern Pine. Charles W. McMillin (ed.). New Orleans, LA. 108-114. (SO)
- 0252 Hammitt, William E., McDonald, Cary D. 1981. Use patterns and impacts of innertube floating on a mountain stream. South. J. Appl. For. 5: 119-124. (SE)
- 0253 Hammitt, William E.; McDonald, Cary D.; Cordeil, H. K. 1981. Perceived need for a visitor management controls and corresponding support for various river use management strategies. In: Proceedings of the National Recreation and Parks Association Annual Convention; 1981 October 25; Minneapolis, MN: 1981. (SE)
- 0254 Hammitt, William E.; McDonald, Cary D. 1982. Response bias and the need for extensive mail questionnaire followups among selected recreation samples. Res. Note. J. Leisure Res. 14(3): 207-216; 1982. (SE)
- 0255 Hammon, Gordon A., and McDonald, John K. 1967. Recreation information management. Trends in Parks & Recreation 4(2): 29-32; illus. (SE)
- 0256 Hanson, Robert A. 1973. Outdoor challenge and mental health. Naturalist 24 (Spring--Special Issue) (No. One): 26, 29 & 30. (NC)
- 0257 Hanson, Robert A. 1977. An outdoor challenge program as a means of enhancing mental health. In Proceedings, Children, Nature, and the Urban Environment, May 19-23, 1975. Wash., D.C. USDA For. Serv. Gen. Tech. Rep., NE-30, 1977. 171-173. (NE)

- 0258 Harper, V. L. 1963. Outdoor recreation research in Federal agencies. Nat. Conf. Outdoor Recreation Res. Proc. 1963: 43-52, Ann Arbor, Mich. (WO)
- 0259 Harrison, Robin T., Roger N. Clark, and George H. Stankey. 1980. Predicting impact of noise on recreationists. Project Record, Apr. 1980. USDA For. Serv., San Dimas Equip. Dev. Cntr., San Dimas, CA. 32 p. illus. (PNW)(INT)
- 0260 Harry, Joseph, Gale, Richard, and Hendee, John. 1969. Conservation: an upper-middle class social movement. J. Leisure Res. 1(3): 246-254, illus. (PNW)
- 0261 Heasley, Daryl K., and Margaret E. Cawley. 1977. Activity and preferences of Pennsylvania fishermen: (Authors are affiliated with Pennsylvania State University, Department of Agricultural Economics and Rural Sociology, University Park, Pa.). illus. 48 p. (NE)
- 0262 Heck, N. A., D. B. Webster. 1973. Wilderness area simulation model--user's manual: 69 p., illus. (Avail. by purchase from national technical inform. service, 5285 Port Royal Rd., Springfield, VA 22151. Accession No. PB 233364-AS \$4.75 Paper \$4.45 Microfiche.
- 0263 Heinselman, Miron L. 1965. Vegetation management in wilderness areas and primitive parks. J. Forest. 63(6): 440-445. (NC)
- 0264 Heinselman, Miron L. 1966. Vegetation in wilderness areas. Trends in Parks & Recreation 3(1): 23-27, illus. (NC)
- 0265 Heinselman, Miron L. 1969. History of the virgin forests of the Boundary Waters Canoe Area, Minnesota (Abstract). Bull. Ecolog. Soc. Amer. 50: 100-101. (NC)
- 0266 Heinselman, Miron L. 1970. Vegetation ecology research for the Boundary Waters Canoe Area. The Quetico-Superior Found. 1970 Inst. on the Boundary Waters Canoe Area Proc., 62-70. (NC)
- 0267 Heinselman, Miron L. 1970. Preserving nature in forested wilderness areas and national parks. Nation. Parks & Conserv. 44(276): 8-14, illus. (NC)
- 0268 Heinselman, Miron L. 1971. Restoring fire to the ecosystems of the Boundary Waters Canoe Area, Minnesota, and to similar wilderness areas. Annu. Tall Timbers Fire Ecol. Cong. Proc. Aug. 20-21. 9-23, illus. (NC)
- 0269 Held, R. Burnell. 1980. Bridging the knowledge gap from landscape architect to natural resource manager. Landscape Res. 5(3): 28. (RM)
- 0270 Helgath, Sheila F. 1975. Trail deterioration in the Selway-Bitterroot Wilderness. USDA For. Serv. Res. Note, INT-103. 1-15, illus. (INT)
- 0271 Hendee, John. 1966. An evaluation of the North Cascades Study Report as a basis for decision making. Univ. Wash. Coll. Forest. Inst. Forest. Prod. Contemp. Contrib. 2, 12 pp., illus. (PNW)

- 0272 Hendee, John Clare. 1967. Recreation clientele--the attributes of recreationists preferring different management agencies, car campgrounds or wilderness in the Pacific Northwest. Diss. Abstr. XXVIII(5): 2 pp. (PNW)
- 0273 Hendee, John Clare, Catton, William R., Jr., Marlow, Larry D., and Brockman, C. Frank. 1968. Wilderness users in the Pacific Northwest--their characteristics, values, and management preferences. USDA Forest Serv. Pacific Northwest Forest & Range Exp. Sta., Portland, Ore., Res. Pap. PNW-61, 92 pp., illus. (PNW)
- 0274 Hendee, John Clare and Mills, Archie. 1968. Enchantment wilderness: management to preserve wilderness values. Living Wilderness, Spring 1968(101): 14-20, illus. (PNW)
- 0275 Hendee, John C. 1969. Appreciative versus consumptive use of wildlife refuges: Studies of who gets what and trends in use. Thirty-Fourth N. Amer. Wildlife and Natural Resources Conf. Trans. 1969: 252-264. (PNW)
- 0276 Hendee, John C. 1969. Rural-urban differences reflected in outdoor recreation participation. J. Leisure Res. 1(4): 333-341, illus. (PNW)
- 0277 Hendee, John C. 1969. Social aspects of outdoor recreation--the developed campground. Trends in Parks and Recreation 1969: 13-16, illus. (PNW)
- 0278 Hendee, John C., Gale, Richard P., and Harry, Joseph. 1969. Conservation, politics, and democracy. J. Soil and Water Conserv. 24(6): 212-215, illus. (PNW)
- 0279 Hendee, John C. 1970. Recreational values, use and management of natural areas. 43rd Annu. Meet. Northwest Sci. Ass. Proc., Natur. Areas--Needs and Opportunities Symp. 1970: 35-38. (PNW)
- 0280 Hendee, John C. and Robert W. Harris. 1970. Foresters' perception of wilderness-user attitudes and preferences. J. Forest. 68: 759-762, illus. (PNW)
- 0281 Hendee, John C., Richard P. Gale, and Joseph Harry. 1970. Conservation, politics, and democracy. Park Pract. Trends 7(3): 17-22, illus. (PNW)
- 0282 Hendee, John C. 1971. Membership in conservation groups and outdoor clubs. In Recreation Symp. Proc., Syracuse, N.Y., Oct. 12-14, 1971: 123-127. USDA Forest Serv. Pacific Northwest Forest and Range Exp. Sta., Portland, Oreg. (PNW)
- 0283 Hendee, John C. 1971. Sociology and applied leisure research. Pac. Sociol. Rev. 14(3): 360-368. (PNW)
- 0284 Hendee, John C. and Richard L. Bury. 1971. Does recreational development pay off? West. Conserv. J. XXVIII(1): 28-30, illus. (PNW)

- 0285 Hendee, John C., Richard P. Gale, and William R. Catton, Jr. 1971. A typology of outdoor recreation activity preferences. J. Environ. Educ. 3(1): 28-34, illus. (PNW)
- 0286 Hendee, John C., and Dale R. Potter. 1971. Human behavior and wildlife management: Needed research. Thirty-sixth N. Amer. Wildlife and Natur. Resour. Conf. Trans., Portland, Oreg. March 7-10, 1971: 383-396. (PNW)
- 0287 Hendee, John C. and Robert M. Pyle. 1971. Wilderness managers, wilderness users: A problem of perception. Natur. Twenty-Two(3): 22-26, illus. (PNW)
- 0288 Hendee, John C. 1972. Challenging the folklore of environmental education. J. Environ. Educ. 3(3): 19-23. (PNW)
- 0289 Hendee, John C. 1973. Management of wildlife for human benefits. Western Proc. fifty-second Ann. Conf. Western Ass. of Ste. Game and Fish Comm. July 16-19, 1972: 175-181. (PNW)
- 0290 Hendee, John C. and Robert C. Lucas. 1973. Mandatory wilderness permits: A necessary management tool. J. For. 71: 206-209, illus. (PNW and INT)
- 0291 Hendee, John C. and George H. Stankey. 1973. Biocentricity in wilderness management. BioScience Vol. 23: 535-538 (PNW & INT)
- 0292 Hendee, John C. 1974. A multiple satisfactions approach to game management. Wildlife Society Bulletin, Fall. 2(3): 104-113, illus. (PNW)
- 0293 Hendee, John C. 1974. A scientist's views on some current wilderness management issues. Western Wildlands. 1(2): 27-32. (PNW)
- 0294 Hendee, John C. 1974. Forestry's responses to increased demand for commodity and amenity values. Journal of Forestry. 72(12): 771-774, illus. (PNW)
- 0295 Hendee, John C., and Rabel J. Burdge. 1974. The substitutability concept: Implications for recreation research and management. J. of Leisure Res. 6(2): 157-162. (PNW)
- 0296 Hendee, John C., Roger N. Clark, and George M. Stankey. 1974. A framework for agency use of public input in resource decisionmaking. Jour. of Soil and Water Conservation. 29(2): 60-66, illus. (PNW)
- 0297 Hendee, John C., and Fremont J. Lyden. 1975. The public interest and professional advocacy. Proc. of Society of American Foresters Annual Meeting. 8 p. (PNW)
- 0298 Hendee, John C., and Dale Potter. 1975. Hunters and hunting: Management implications of research. Proc. Recreation Research Workshop. Sept. 15-18. 30 p., illus. (PNW)

- 0299 Hendee, John C., Mack L. Hogans and Russell W. Koch. 1976. Dispersed recreation on three forest road systems in Washington and Oregon: first year data. USDA For. Serv. Res. Pap., PNW-280, October 1976. illus. 21 p. (PNW)
- 0300 Hendee, John C., Roger N. Clark, Mack L. Hogans, Dan Wood and Russell W. Koch. 1976. Code-A-Site: a system for inventory of dispersed recreational sites in roaded areas, backcountry and wilderness. USDA, For. Serv. Res. Pap., PNW-209. illus. 31 p. (PNW)
- 0301 Hendee, John C. 1977. Public involvement in the USDA Forest Service roadless-area review: lessons from a case study. Reprinted from: Public Participation in Planning. Derrick Sewell and Terry Coppock (eds.). John Wiley & Sons, Ltd. Chapter 7. 80-103. (PNW)
- 0302 Hendee, John C., Roger N. Clark and Thomas E. Dailey. 1977. Fishing and other recreation behavior at high-mountain lakes in Washington State. USDA, For. Serv. Res. Note, PNW-304. 27 p. (PNW)
- 0303 Hendee, John C., George H. Stankey, and Robert C. Lucas. 1978. Wilderness management. USDA Misc. Publ. 1365. Illus. 381 p. (PNW)
- 0304 Hendee, J. C., Z. G. Smith, and R. M. Lake. 1979. Public involvement in resource decisions: RARE I and II and their implications for the future. In Proceedings, Multiple-use Management of Forest Resources Symposium, Sept. 1979. Clemson Univ., SC. D. Hook and B. Dunn (eds.). 217-232. (SE)
- 0305 Hendrix, W. G., and Julius Gy Fabos. 1974. Visual land use compatibility as a significant contributor to visual resource quality. Interp. Journ. Environ. Studies. Vol. 1. 1-8. (NE)
- 0306 Herrington, Roscoe B. 1967. Skiing trends and opportunities in the western states. USDA Forest Serv. Intermountain Forest and Range Exp. Sta., Ogden, Utah, in coop. with U.S. Econ. Develop. Admin. Res. Pap. INT-31, 90 pp., illus. (INT)
- 0307 Herrington, Roscoe B. and Tocher, S. Ross. 1967. Aerial photo techniques for a recreation inventory of mountain lakes and streams. USDA Forest Serv. Intermountain Forest and Range Exp. Sta., Ogden, Utah, Res. Pap. INT-37, 21 pp., illus (INT)
- 0308 Herrington, Roscoe B., and Wendell G. Beardsley. 1970. Improvement and maintenance of campground vegetation in central Idaho. USDA Forest Serv. Res. Pap. INT-87, 9 p., illus. Intermountain Forest and Range Exp. Sta., Ogden, Utah. (INT)
- 0309 Hogan, Timothy D.; Hora, Stephen C. 1982. Management costs of operating forest recreation areas in the Southwest. Eisenhower Consortium Institutional Series Report 5. Tempe, AZ: College of Business Administration, Arizona State University; 1982. 83 p. (RM)

- 0310 Hogans, Mack L. 1978. Using photography for recreation research. USDA For. Serv. Res. Note, PNW-327, 1978. Illus. 11 p. (PNW)
- 0311 Hogans, Mack L. 1979. A 3-year pattern of dispersed recreation and forest fires in Pacific Northwest Forests. USDA For. Serv. Res. Note, PNW-338. Illus. 17 p. (PNW)
- 0312 Holecek, Donald F. 1981. Governmental assistance programs: quid pro quo for permitting public access. In: Opportunities for Enhancing Public Benefit from Private Land: Proceedings of the 9th Annual Airline House Conference on the Environment; 1980 May 2-3; Division of Public Service Activities, American Bar Association, Washington, D.C. 16. (NC)
- 0313 Hooper, Robert G., Hewlette S. Crawford, and Richard F. Harlow 1973. Bird density and diversity as related to vegetation in forest recreational areas. J. Forest. 71: 766-769, illus. (SF)
- 0314 Hopkins, Walter S. 1963. Impacts of recreation on competition for use of water. Western Resources Conf. 1963: 151-162, Univ. Colo., Boulder, Colo. (USDA)
- 0315 Hopkins, Walter S. 1963. Forest Service research in forest recreation. 18th Annu. Meeting, Soil Conserv. Soc. Amer. Proc. 1963: 93-98, Logan, Utah. (WO)
- 0316 Hopkins, Walter S. 1964. Outdoor recreation research in the USDA Forest Service. Trends in Parks & Recreation 1(1): 4-9. (WO)
- 0317 Hopkins, Walter S. 1966. Myths and facts about forest recreation: A review of forest recreation research in the Forest Service. Trends in Parks & Recreation 3(1): 19-22. (WO)
- 0318 Hopkins, Walter S. 1968. Outdoor recreation--some human resource considerations on a land resource base. The First Recreation Manage. Inst., Texas A&M Univ., College Station, Texas, Proc. 1967: 8.1-8.9. (WO)
- 0319 Hopkins, Walter S. 1968. Forest recreation research--some problems, some accomplishments, some goals. Forest. and Recreation of the 1968 Winter Meeting, Allegheny Sect. Soc. Amer. Foresters, Pittsburgh, Pa., Proc. 1968: 8-13. (WO)
- 0320 Hopkins, Walter S. and Whittaker, James C. 1968. Research--seeking the keys to quality. Fourth Annu. East. Conf. on Camping Areas Held in Conj. with Second Annu. Nat. Conf. of the Fam. Camping Fed. Boston, Mass., Selec. Proc. 1968: 49-59. (WO)
- 0321 Hopkins, Walter S. 1969. Forest Recreation Research. A review of problems, approaches, methodology, and results of the Forest Service program of outdoor recreation research. Statistical Reporter 1969(70-5): 61-69, illus. (WO)

- 0322 Hopkins, Walter S. 1970. Some questions and some thoughts regarding our environment--or what do we do for an encore? In Rocky Mountain-High Plains Park and Rec. J., Occas. Pap. Park and Rec. Admin. Colo. State Univ., Fort Collins, Colo., 5(2): 73-85. (USDA)
- 0323 Hopkins, Walter S. 1970. Some social and aesthetic needs and opportunities of outdoor recreation on forest lands. In Frontiers in Conserv., 1st Annu. Meet. Soil Conserv. Soc. Amer., Colo. State Univ., Fort Collins, Colo., Proc. 969: 108-112. (USDA)
- 0324 Hopkins, Walter S. 1970. Are foresters adequately contributing to the solution of America's critical social problems? J. Forest. 68: 17-21. (WO)
- 0325 Hopkins, Walter S. 1970. Expanding outdoor recreation research and interagency cooperation. In Rocky Mountain-High Plains Park and Rec. J. Fifth Annu. Rocky Mountain-High Plains Park and Rec. Conf. 1970 Proc., Colo. State Univ., Fort Collins, Colo. 5(1): 20-29. (WO)
- 0326 Hopkins, Walter S. 1970. Forest recreation research. Travel Res. Bull. The Travel Res. Ass. (ITRA) IX(1): 1-6. (WO)
- 0327 Hopkins, W. S., and W. F. LaPage. 1970. The future of American forest recreation areas. Sixth World Forest. Congr. Proc. (June 1966, Madrid, Spain), Vol. III: 3610-3617. (WO)
- 0328 Hopkins, Walter S. 1971. Expanding & strengthening outdoor recreation research. In Recreation Symp. Proc., Syracuse, N.Y., Oct. 12-14, 1971: 197-199. (WO)
- 0329 Hopkins, Walter S. 1972. Forest recreation...How much is too much? The Campfire Chatter XVI(2): 30-34.
- 0330 Howard, Gordon E., and B. A. Stanley-Saunders. 1980. Impacts of recreation activities associated with streams: a problem analysis. Clemson Univ., SC. (SE)
- 0331 Hrubes, Robert J., Kent P. Connaughton, and Robert W. Sassaman. 1979. Roadless area-intensive management tradeoffs on the Sierra National Forest, CA. USDA For. Serv. Res. Pap. PSW-149. 11 p. (PSW)
- 0332 Hughes, Jay M. 1964. Bureaucracy, communication, and wilderness. Fifth Bien. Conf. Northwest Wilderness Proc. 1964: 76-91. (PNW)
- 0333 Hughes, Jay M. 1965. Wilderness land allocation in a multiple use forest management framework in the Pacific Northwest. USDA Forest Serv. Res. Note PNW-26, 4 p. (PNW)
- 0334 Hutchinson, Jay G., and David W. Lime. 1972. In search of campsites. Naturalist, Twenty-three (Special Issue 3 & 4): 18-23, illus. (NC)

- 0335 Hutchison, S. Blair. 1962. Recreation opportunities and problems in the National Forests of the northern and intermountain regions. USDA Forest Serv. Int. Forest and Range Exp. Sta. Res. Pap. 66, 33 pp., illus. (INT)
- 0336 Intermountain Forest and Range Experiment Station. 1977. Summary - MOSAIC - a system for displaying a proposed modification before its impact on the environment. (Information concerning this publication can be obtained by writing SEAM, Forest Service, 145 Grand Avenue, Billings, Montana, 59102) illus. 9 p. (INT)
- 0337 James, George A., and Ripley, Thomas H. 1963. Instructions for using traffic counters to estimate recreation visits and use. USDA Forest Serv. Res. Pap. SE-3, 12 pp., illus. (SE)
- 0338 James, George A. and Ripley, Thomas H. 1963. Overuse--A threat to our developed recreation areas. Amer. Rec. J. 4(3): 5-6. (SE)
- 0339 James, George A., Johnson, Frank M., and Barick, Frank B. 1964. A key to better hunting--Forest roads and trails. Wildlife in N.C., March, pp. 14-15. (SE)
- 0340 James, George A. and Harper, Robert A. 1965. Recreation use of the Ocala National Forest in Florida. USDA Forest Serv. Res. Pap. SE-18, 28 pp., illus. (SE)
- 0341 James, George A., Johnson, Frank M., and Barick, Frank B. 1965. Relations between hunter access and deer kill in North Carolina. Twenty-Ninth N. Amer. Wildlife and Natural Resources Conf. Trans., March 9, 10, 11, pp. 454-463. (SE)
- 0342 James, George A. 1966. Instructions for using traffic counters to estimate recreation visits and use on developed sites. USDA Forest Serv. Southeastern Forest Exp. Sta. unnumbered publication, 12 pp., illus. (SE)
- 0343 James, George A. and Rich, John L. 1966. Estimating recreation use on a complex of developed sites. USDA Forest Serv. Res. Note SE-64, 8 pp., illus. (SE)
- 0344 James, George A. 1967. Recreation use estimation on Forest Service lands in the United States. USDA Forest Serv. Southeast. Forest Exp. Sta., Asheville, N.C., Res. Note SE-79, 8 pp., illus. (SE)
- 0345 James, George A. and Harper, R. A. 1967. How much and what kind. Florida Wildlife 21 (2): 18-19, illus. (SE)
- 0346 James, George A. and Taylor, Gordon D. 1967. Recreation use estimation in the United States and Canada. XIV. IUFRO-Kongress, Munchen 1967 Papers, VII, Section 26: 14-29. (SE)

- 0347 James, George A. and Tyre, Gary L. 1967. Use of water-meter/records to estimate recreation visits and use on developed sites. USDA Forest Serv. Southeast. Forest Exp. Sta., Asheville, N.C., Res. Note SE-73, 3 pp. (SE)
- 0348 James, George A. 1968. The future of hunting in the South Atlantic States. Missouri Univ. School of forestry, The Missouri Log XXI: 31-33, illus. (SE)
- 0349 James, George A. 1968. Pilot test of sampling procedures for estimating recreation use on winter-sports sites. USDA Forest Serv. Southeast. Forest Exp. Sta., Asheville, N.C., Res. Pap. SE-42, 9 pp., illus. (SE)
- 0350 James, George A. and Cottrell, Richard L. 1968. To cut or not to cut. J. Forest. 66: 57-59, illus. (SE)
- 0351 James, George A. and Henley, Robert K. 1968. Sampling procedures for estimating mass and dispersed types of recreation use on large areas. USDA Forest Serv. Southeast. Forest Exp. Sta., Asheville, N.C., Res. Pap. SE-31, 15 pp., illus. (SE)
- 0352 James, George A., Cordell, Harold K., Barick, Frank B., Downing, Robert L. 1969. Small-game hunting on western North Carolina wildlife management areas. Part 1--Characteristics of hunters. Wildlife in N.C. 33(10): 8-10, illus. (SE)
- 0353 James, George A., Cordell, Harold K., Barick, Frank B., Downing, Robert L. 1969. Small-game hunting on western North Carolina wildlife management areas. Part 2--Importance and use of forest roads and trails. Wildlife in N.C. 33(11): 10-12, illus. (SE)
- 0354 James, George A., and Harold K. Cordell. 1970. Importance of shading to visitors selecting a campsite at Indian Boundary Campground in Tennessee. USDA Forest Serv. Res. Note SE-130, 5 p., illus. Southeastern Forest Exp. Sta., Asheville, N.C. (SE)
- 0355 James, George A. 1971. Forest recreation research in the Southeast--demand exceeds supply. N.C. Recreation and Park Rev. 24(3): 21, 22, 26. (SE)
- 0356 James, George A. 1971. Inventorying recreation use. In Recreation Symp. Proc., Syracuse, N.Y., Oct. 12-14, 1971: 78-95. USDA Forest Serv. Southeastern Forest Exp. Sta., Asheville, N.C. (SE)
- 0357 James, George A. and Hans T. Schreuder. 1971. Estimating recreation use on the San Geronio Wilderness. J. Forest. 69: 490-493, illus. (SE)
- 0358 James, George A., Nelson W. Taylor, and Melvin L. Hopkins. 1971. Estimating recreational use of a unique trout stream in the Coastal Plains of South Carolina. USDA Forest Serv. Res. Note SE-159, 7 p., illus. Southeastern Forest Exp. Sta., Asheville, N.C. (SE)
- 0359 James, George A., H. Peter Wingle, and James D. Griggs. 1971. Estimating recreation use on large bodies of water. USDA Forest Serv. Res. Pap. SE-79, 7 p., illus. Southeastern Forest Exp. Sta., Asheville, N.C. (SE)

- 0360 James, George A., and Anthony K. Quinkert. 1972. Estimating recreational use at developed observation sites. USDA Forest Serv. Res. Pap. SE-97, 6 p., illus. Southeastern Forest Exp. Sta., Asheville, N.C. (SE)
- 0361 James, George A., Gordon R. Sanford, and Andrew Searcy, Jr. 1972. Origin of visitors to developed recreational sites on National Forests. J. Leisure Res. 4: 108-118, illus. (SE)
- 0362 James, George A., and Hans T. Schreuder. 1972. Estimating dispersed recreation use along trails and in general undeveloped areas with electric-eye counters. Some preliminary findings. USDA Forest Serv. Res. Note SE-181, 8 p., illus. Southeastern Forest Exp. Sta., Asheville, N.C. (SE)
- 0363 James, George A. 1974. Physical site management. USDA For. Serv. Tech. Bull., NC-9. 67-82. (SE)
- 0364 Jansen, E. F., Jr., C. T. K. Ching, G. E. Frick, and C. W. Chandler. 1971. Economic effects of Pawtuckaway State Park. II. Park user characteristics. N.H. Agr. Exp. Sta. Res. Rep. No. 17, 19 p., illus. (NE)
- 0365 Johnston, Warren E., and Gary H. Elsner. 1976. Outdoor recreation is a sector for economic development. In XVI IUFRO World Congress Proceedings, Div. IV, Oslo, Norway, 1976. (Warren E. Johnston is affiliated with University of California, Davis, California). 110-120. (PSW)
- 0366 Johnston, Warren E., and Gary H. Elsner. 1972. Variability in use among ski areas: A statistical study of the California market region. J. Leisure Res. 4: 43-49. (PSW)
- 0367 Johnson, R. Roy; Carothers, Steven W. 1982. Riparian habitat and recreation: interrelationships and impacts in the Southwest and Rocky Mountain region. Eisenhower Consortium Bull. 12. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station; 1982. 31 p. (RM)
- 0368 Kaplan, Rachel. 1972. The dimensions of the visual environment: Methodological considerations. In Environ. Design: Res. and Pract., Proc. Environ. Design Res. Ass. Conf. Three, Los Angeles, Calif., 1972: 6-7-1 to 6-7-5. (NC)
- 0369 Kaplan, Rachel. 1973. Predictors of environmental preference: Designers and "clients." In Environmental Research Design, Wolfgang F. E. Preiser (ed.), Dowden, Hutchinson & Ross, Inc., Stroudsburg, Pa., Vol. 1: 265-274. (NC)
- 0370 Kaplan, Rachel. 1979. Visual resources and the public: an empirical approach. In Proceedings, Our National Landscape: a conference on applied techniques for analysis and management of the visual resource, Apr. 23-25, 1979. Incline Village, NV. USDA For. Serv. Gen. Tech. Rep., PSW-35. 209-215. (NC)

- 0371 Kaplan, Rachel. 1980. Citizen participation in the design and evaluation of a park. *Environ. and Behav.* 12(4): 494-507. (NC)
- 0372 Kaplan, Rachel. 1981. Evaluation of a vest-pocket park. Res. Pap. NC-195. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station. 12 p. (NC)
- 0373 Kaplan, Stephen, Rachel Kaplan, and John S. Wendt. 1972. Rated preferences and complexity for natural and urban visual material. *Perception & Psychophysics* 12(4): 354-356, illus. (NC)
- 0374 Kaplan, Stephen, and John S. Wendt. 1972. Preference and the visual environment: Complexity and some alternatives. In *Environ. Design: Res. and Pract.*, Proc. Environ. Design Res. Ass. Conf. Three, Los Angeles, Calif., 6-8-1 to 6-8-5, illus. (NC)
- 0375 Kaplan, Stephen. 1973. Cognitive maps, human needs and the designed environment. In *Environmental Research Design*, Wolfgang F. E. Preiser (ed.), Dowden, Hutchinson & Ross, Inc., Stroudsburg, Pa., Vol. 1: 275-287 (NC)
- 0376 Kaplan, Stephen. 1979. Perception and landscape: conceptions and misconceptions. In *Proceedings, Our National Landscape: a conference on applied techniques for analysis and management of the visual resource*, Apr. 23-25, 1979. Incline Village, NV. USDA For. Serv. Gen. Tech. Rep., PSW-35. 241-248. (NC)
- 0377 Kaplan, Stephen. 1982. Where cognition and affect meet: A theoretical analysis of preference. In: Bart, Polly; Chen, Alexander; Francescato, Guido, eds. *Proceedings, Thirteenth International Conference of the Environmental Design and Research Association, Knowledge for Design*; College Park, MD. Washington, D.C.: Environmental Design and Research Association; 1982: 183-188. (NC)
- 0378 Kelly, John R. 1981. (ed.). Social benefits of outdoor recreation. *Leisure Behavior Research Laboratory*, The University of Illinois, Champaign, IL. 83 pp. (NC)
- 0379 King, David A. 1965. Characteristics of family campers using the Huron-Manistee National Forests. USDA Forest Serv. Res. Pap. LS-19, 11 pp., illus. (NC)
- 0380 King, David A. 1965. Some socioeconomic comparisons of Huron and Manistee National Forest family campers with market populations. *Papers of the Michigan Academy of Science, Arts, and Letters*, Vol. L (1964 meeting). 17 pp., illus. (NC)
- 0381 King, David A. 1966. Activity patterns of campers. USDA Forest Serv. Res. Note NC-18, 3 pp. (NC)
- 0382 King, David A. 1968. Socioeconomic variables related to campsite use. *Forest Sci.* 14(1): 45-54. (NC)

- 0383 King, John C., and Arnett C. Mace, Jr. 1972. Can we keep our canoe country waters clean? Volunteer (Minn. Dept. Natur. Resour.) 35(205): 57-61, illus. (NC)
- 0384 King, David A. 1979. User-based assessments of the value of fish and wildlife resources. In Assessing Amenity Resource Values. T. C. Daniel, E. H. Zube, and B. L. Driver (tech. coord.) USDA For. Serv. Gen. Tech. Rep., RM-68. 70 p. (RM)
- 0385 Klock, Glen. 1973. Mission Ridge--a case history of soil disturbance and revegetation of a winter sports area development. USDA For. Serv. Res. Note PNW-199, 10 pp. (PNW)
- 0386 Klock, Glen, McColley, P. D. 1979. Soil factors influencing the quality of wilderness recreation impact. In: Recreational impact on wildlands. Proceedings of a conference; 1978 October 27-29; Seattle, WA. R-6-001-1979. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Region. 66-69. (PNW)
- 0387 Knopf, Richard C. 1981. Toward effective interpretation: the importance of orientation. In: Proceedings of the Second Conference on Scientific Research in the National Parks; 1; 1979 November 26-30; San Francisco, CA: National Technical Information Service Document NPS/ST-80/02-6; Washington, D.C. U.S. Department of the Interior, National Park Service. 10-18. (NC)
- 0388 Knopf, Richard C., B. L. Driver, and John R. Russell. 1973. Motivations for fishing. Trans. Thirty-Eighth N. Amer. Wildlife and Natur. Resour. Conf., March 18-21, 1973: 191-204. (NC)
- 0389 Knopf, Richard C., and John D. Barnes. 1979. Determinants of satisfaction with a tourism complex: a case study of visitors to Gettysburg, PA. In Proceedings, IUFRO Meeting on Recreation Economics, International Union of Forestry Research Organizations, March 11-15, 1979. Wash., D.C. IUFRO Publ. P4.03.00. 178-205. (NC)
- 0390 Knopf, Richard C. 1981. Cognitive map formation as a tool for facilitating information transfer in interpretive programming. J. Leisure Res. 13(3): 232-242; 1981. (NC)
- 0391 Knopf, Richard C. 1982. Management problems in river recreation--what river floaters are telling us. Naturalist 33(2): 12-17; 1982. (NC)
- 0392 Knopp, Timothy B., Gary Ballman, and Lawrence C. Merriam, Jr. 1979. Toward a more direct measure of river user preferences. Jour. of Leisure Research, 11(4): 317--326. (NC)
- 0393 Kojima, Michimasa, and J. Alan Wagar. 1972. Computer-generated drawings of ground form and vegetation. J. Forest. 70: 282-285, illus. (PNW)

- 0394 Koth, Barbara; Field, Donald R.; Clark, Roger N. 1982. Cruiseship travelers to Alaska: Implications for onboard interpretation. *The Interpreter*. 13(1): 39-46; 1982. (PNW)
- 0395 Kottke, Marvin. W., Malcolm L. Bevins, Gerald L. Cole, Kenneth J. Hock, Wilbur F. LaPage. 1975. Analysis of the campground market in the Northeast. *USDA For. Serv. Res. Pap.*, NE-322. 1-35, illus. (NE)
- 0396 Krumpe, Edwin E.; Brown, Perry J. 1982. Redistributing backcountry use through information related to recreation experiences. *J. For.* 80(6): 360-362, 364; 1982. (PNW)
- 0397 Kuehner, Richard A. and Gary H. Elsner. 1978. Response of visitors to the rainbow trail: an evaluation of an interpretive area in the Lake Tahoe Basin, CA. *USDA For. Serv. Res. Pap.*, PSW-131. Illus. 17 p. (PSW)
- 0398 LaPage, Wilbur F. 1963. Some sociological aspects of forest recreation. *J. Forest*. 61(1): 32-36. (NE)
- 0399 LaPage, Wilbur F. 1964. Under the camper's feet. *Amer. Recreation J.* 5: 103-104. (NE)
- 0400 LaPage, Wilbur F. 1966. Success of campgrounds studied as guide to recreation planning. *USDA Forest Serv. Res. Note* NE-43, 7 pp., illus. (NE)
- 0401 LaPage, Wilbur F. 1967. Successful private campgrounds, a study of factors that influence the length and frequency of camper visits. *USDA Forest Serv. Northeast. Forest Exp. Sta., Upper Darby, Pa., Res. Pap.* NE-58, 22 pp., illus. (NE)
- 0402 LaPage, Wilbur F. 1967. Camper characteristics differ at public and commercial campgrounds in New England. *USDA Forest Serv. Northeast. Forest Exp. Sta., Broomall, Pa., Res. Note* NE-59, 8 pp., illus. (NE)
- 0403 LaPage, Wilbur F. 1967. Some observations on campground trampling & ground cover response. *USDA Forest Serv. Northeast. Forest Exp. Sta., Upper Darby, Pa., Res. Pap.* NE-68, 11 pp., illus. (NE)
- 0404 LaPage, Wilbur F. 1967. Recreation research and public land management goals. *N.Y. Forest., N.Y. Sect. Soc. Amer. Foresters, Albany, N.Y., Proc.* XXIV(3): 1-6. (NE)
- 0405 LaPage, Wilbur F. 1967. The successful campground formula. *Family Camping Area Manage. Conf. Proc.* (Sponsored by Coop. Ext. N.Y. State in coop. with Campground Owners of N.Y.), Nov. 17-18, 1967, Cornell Univ., Ithaca, N.Y., pp. 35-52, illus. (NE)
- 0406 LaPage, Wilbur F. 1968. The role of customer satisfaction in managing commercial campgrounds. *USDA For. Serv. Res. Pap.* NE-105, 23 pp., illus. (NE)

- 0407 LaPage, Wilbur F. 1969. Planning the campground. Campfire Chatter XIII(4): 34-35, illus. (NE)
- 0408 LaPage, Wilbur F. 1969. Planning the campground. The planner's dilemma. Campfire Chatter XIII(5): 18-19, illus. (NE)
- 0409 LaPage, Wilbur F. 1969. The camper views the interview. J. Leisure Res. T(2): 181-186, illus. (NE)
- 0410 LaPage, Wilbur F. 1969. Campground marketing: the heavy-half strategy. USDA For. Serv. Res. Note NE-93, 6 pp., illus. (NE)
- 0411 LaPage, Wilbur F. 1969. The family camping phenomenon--motivation--ways and means--accommodations. SE. Park and Recreation Inst. for Planning Maintenance and Operation Proc. 14: 14-19. (NE)
- 0412 LaPage, Wilbur F. 1970. The mythology of outdoor recreation planning. S. Lumberman 221(2752): 118-121, illus. (NE)
- 0413 LaPage, Wilbur F. 1970. Planning the campground. Campground names and first impressions. Campfire Chatter XIV(1): 26-27, illus. (NE)
- 0414 LaPage, Wilbur F. 1970. Planning the campground. Let's plan for people. Campfire Chatter XIV(3): 30-31, illus. (NE)
- 0415 LaPage, Wilbur F. 1970. Planning the campground. The myths of campground planning. Campfire Chatter XIV(5): 24-25. (NE)
- 0416 LaPage, Wilbur F. 1970. Campground and camper market research. Fam. Camping Leader VII(III): 1, 5-8, illus. (NE)
- 0417 LaPage, W. F. 1970. Meeting the social needs of tomorrow's campers. Planning Tomorrow's Campground Workshop Proc. Univ. Vt. Ext. Serv. Brieflet 1197, 6-18. (NE)
- 0418 LaPage, Wilbur F. 1971. Trends in camping participation. USDA Forest Serv. Res. Pap. NE-183, 22 p., illus. Northeastern Forest Exp. Sta., Broomall, Pa. (NE)
- 0419 LaPage, Wilbur F. 1971. Cultural "fogweed" and outdoor recreation research. In Recreation Symp. Proc., Syracuse, N.Y., Oct. 12-14, 1971: 186-193. USDA Forest Serv. Northeastern Forest Exp. Sta., Upper Darby, Pa. (NE)
- 0420 LaPage, Wilbur F., and Edward G. Fisher. 1971. Geographical variation in camper expenditures. USDA Forest Serv. Res. Note NE-139, 8 p., illus. (NE)
- 0421 LaPage, Wilbur F., and Dale P. Ragain. 1971. A second look at the heavy half of the camping market. USDA Forest Serv. Res. Pap. NE-196, 9 p., illus. (NE)

- 0422 LaPage, Wilbur F. 1972. Understanding camping market growth. In 2nd Annu. Fam. Fed. Amer. Camping Congr. Resume "Camping Opportunities in the 70's." May 9-10, 1972, Palmer House, Chicago, Ill. 60605 (Fam. Camping Fed., Bradford Woods, Martinsville, Indiana 46151): 47-66, illus. (NE)
- 0423 LaPage, Wilbur F., Paul L. Cormier, and Steven C. Maurice. 1972. The commercial campground industry in New Hampshire-A report on a 1971 campground census. USDA Forest Serv. Res. Pap. NE-255, 41 p., illus. Northeastern Forest Exp. Sta., Upper Darby, Pa. (NE)
- 0424 LaPage, Wilbur F., and Dale P. Ragain. 1972. Campground marketing--the impulse camper. USDA Forest Serv. Res. Note NE-150, 4 p. (NE)
- 0425 LaPage, Wilbur F., Walter S. Hopkins, and J. Richard Williams. 1973. Hey, just took what's happened to camping. In U.S. Dep. Agr. Yearbook "Handbook for the home." 1973: 66-71, illus. (NE)
- 0426 LaPage, Wilbur F. 1973. New Hampshire's commercial campgrounds. Forest Notes (Summer) (Soc. for the Prot. of N.H. Forests) No. 115: 20-22, illus. (NE)
- 0427 LaPage, W. F. 1973. Growth potential of the family camping market. USDA Forest Serv. Res. Pap. NE-252, 25 p. Northeastern Forest Exp. Sta., Broomall, Pa. (NE)
- 0428 LaPage, W. F. 1973. Market research models for outdoor recreation development planning. In "Research for travel patterns: Interpretation and utilization." The Travel Res. Ass. Fourth Annu. Conf. Proc., Sun Valley, Idaho, August 12-15, 1973: 121-130, illus. (NE)
- 0429 LaPage, Wilbur F. 1974. Market analysis for recreation managers. In Outdoor Recreation Advances in Application of Economics. Proceedings of a National Symposium. USDA For. Serv. Gen. Tech. Rep., WO-2, 1977. 77-81. (NE)
- 0430 LaPage, W. F., and A. C. Haaland. 1974. Annotated bibliography of camping market surveys. USDA Forest Serv. Gen. Tech. Rep. NE-11, 39 p. (NE)
- 0431 LaPage, Wilbur F., and D. P. Ragain. 1974. Family camping trends. An eight-year panel study. Journal of Leisure Research, 1974, 6(Spring). 101-112, illus. (NE)
- 0432 LaPage, Wilbur F., P. L. Cormier, G. T. Hamilton, and A. D. Cormier. 1975. Differential campsite pricing and campground attendance. USDA For. Serv. Res. Pap., NE-330, 6 p. (NE)
- 0433 LaPage, Wilbur F. 1976. New roles for government and industry in outdoor recreation. In Southern States Recreation Research Applications Workshop, September 15-18, 1975, Asheville, North Carolina. USDA For. Serv. GTR SE-9. 218-228. (NE)

- 0434 LaPage, Wilbur F. 1976. Public outdoor recreation: a policy wasteland. In Soil Conservation Society of America, 31st Annual Meeting, August 1-4, 1976, Minneapolis, Minn. 183-188. (NE)
- 0435 LaPage, Wilbur F. 1977. A plea for mediocrity in recreation research goals. Reprinted from: Parks and Recreation, August 1977. 25, 26 & 50. (NE)
- 0436 LaPage, Wilbur F., and P. L. Cormier. 1977. Images of camping-barriers to participation? Reprinted from: Journal of Travel Research, 15(4): 21-25, Spring 1977. (NE)
- 0437 LaPage, Wilbur F. 1978. Recreation resource management and the professional forester. Proceedings of the Rec. Work. Group Tech. Session at the Annual Meeting of the Soc. of Amer. For., St. Louis, MO. Oct. 24, 1978. 402-445. (NE)
- 0438 LaPage, Wilbur F., and Gerald L. Cole. 1979. 1978 national camping market survey. USDA For. Serv. Res. Pap., NE-450. Illus. 34 p. (NE)
- 0439 LaPage, W. F. 1979. Market analysis for recreation managers. In Land & Leisure: Concepts and Methods on Outdoor Recreation. Second ed. Maaroufa Press, Chicago, IL. 259-265. (NE)
- 0440 LaPage, W. F., Ryan, D. J. 1980. Federal outdoor recreation research: Its private sector impacts. Chapter 9 in Appendix IV to The Third Nationwide Outdoor Recreation Plan, U.S. Dept. Interior, HCRS. pp. 231-254. (NE)
- 0441 LaPage, W. F. 1980. The camping market and the camping industry. In Proceedings, Campgrounds and Camping 1980 Conference, Nov. 1978, Land Between the Lakes, Brandon, Spring, TN. So. Ill. Univ. Carbondale. 56-62. (NE)
- 0442 LaPage, W. F. 1981. A further look at the informal interview as a technique for recreation research. J. Leisure Research. 13(2):174-176. (NE)
- 0443 LaPage, W. F., Bevins, M. I. 1981. American campground industry 1979 economic analysis and 1980 occupancy data. Pub. by Nat. Campground Owner's
- 0444 LaPage, W. F., Bevins, M. I. 1981. Satisfaction monitoring for quality control in campground management. USDA For. Serv. Res. Paper NE-484. 6 pages. (NE)
- 0445 Lake States Forest Experiment Station. 1961. Outdoor recreation in the Upper Great Lakes Area. USDA Forest Serv. Lake States Forest Exp. Sta. Pap. 89, 104 pp., illus. (NC)
- 0446 Landis, John D. 1979. Forecasting the demand for skiing in the Western U.S. In First Annual National Conference on Recreation Planning and Development, Apr. 18-21, 1979. Snowbird, UT. 12 p. (PSW)

- 0447 Landis, John D. 1979. The skier report: forecasting the demand for skiing in the Western United States. Inst. Transp. Studies Res. ITS-UCB-78-13, Univ. Calif., Berkeley, CA. 149 p. (PSW)
- 0448 Lane, Richard D. 1959. Northeastern forests: We see them for the people. Soc. Amer. Foresters Proc. 1959: 75-77, San Francisco, Calif. (NE)
- 0449 Lane, Richard D. 1964. Private recreation enterprises--pie in the sky? Soil Conserv. Soc. Amer. Proc. 1964: (19)37-42, Ankeny, Iowa. (NE)
- 0450 Leatherberry, Earl C. 1976. Northern Wisconsin snowmobilers: their characteristics and management preferences. USDA, For. Serv. Res. Pap., NC-135. illus. 5 p. (NC)
- 0451 Leatherberry, Earl C. 1979. River amenity evaluation: a review and commentary. Water Research Bull., 15(5): 1281-1292. (NC)
- 0452 Leatherberry, Earl C. 1979. Minnesota canoe and kayak owners: their characteristics and patterns of use. USDA For. Serv. Res. Pap., NC-171. 8 p. (NC)
- 0453 Leatherberry, Earl C. 1980. Unstaffed trail registration compliance in backcountry recreation area: some preliminary findings. In Fifth National Trail Symposium, Duluth, MN. 103-104. (NC)
- 0454 Leatherberry, Earl C. 1980. Comparing attitudes of Wisconsin residents and snowmobilers regarding use of snowmobiles on public land. In Proceedings, North American Symposium on Dispersed Winter Recreation. Office of Spec. Programs, Agric. Ext. Serv., Univ. of Minn. Educ. Serv., 2-3: 78-81. (NC)
- 0455 Leatherberry, Earl C., David W. Lime, and Jerrilyn LaVarre Thompson. 1980. Trends in river recreation. In Proceedings, 1980 National Outdoor Recreation Trends Symposium. USDA For. Serv. Gen. Tech. Rep., NE-57. 147-164. (NE)
- 0456 Leatherberry, Earl C. 1981. Evaluating river recreation potential. Water Spectrum 13(3): 31-38. (NC)
- 0457 Leatherberry, Earl C., Lime, David W. 1981. Unstaffed trail registration compliance in a backcountry recreation area. Res. Pap. NC-214. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station. 11 p. (NC)
- 0458 Leonard, R. E. 1976. Design capacity: a possible approach to some backcountry recreation management problems. Appalachia, 42(2): 20-21. (NE)
- 0459 Leonard, R. E. 1976. Design concept for management decisionmaking at dispersed recreation sites. Paper presented at Ruth E. Farrington Fund Quantitative Ecology Workshop, Dec. 1-3. Durham, NH. (NE)
- 0460 Leonard, R. E., H. J. Plumley, and W. R. Holman. 1977. A design capacity system. In Proceedings National Trails Symposium, Sept. 8-10, 1977. Lake Junaluska, NC. 160-163. (NE)

- 0461 Leonard, R. E., and A. M. Whitney. 1977. Trail transect: a method for documenting trail changes. USDA For. Serv. Res. Pap., NE-389. Illus. 8 p. (NE)
- 0462 Leonard, R. E., and S. C. Fay. 1978. A compost bin for handling privy wastes: its fabrication and use. USDA For. Serv. Res. Note, NE-254. Illus. 6 p. (NE)
- 0463 Leonard, R. E., H. E. Echelberger, and M. Schnitzer. 1978. Use characteristics of the Great Gulf Wilderness. USDA For. Serv. Res. Pap. NE-428. 9 p. (NE)
- 0464 Leonard, R. E., and H. J. Plumley. 1979. The use of soils information for dispersed recreation planning. In Conference Proceedings Recreation Impacts on Wildlands Symposium, Oct. 27-29, 1978. Seattle, WA. USDA Forest Service No. R-6-001-1979. Portland, Oregon. 50-63. (NE)
- 0465 Leonard, R. E. 1979. Physical and biological carrying capacity considerations in trails planning. In Proceedings, Trails and Rivers Symposium, Nov. 7-8, 1979. Laramie, WY. (NE)
- 0466 Leonard, R. E. 1979. Protecting the Long Trail Resource: a problem analysis. Wm. R. Burch, Jr., (ed.). Long Distance Trails--the Appalachian Trail as a guide to future res. & mgt. needs. Yale Univ., New Haven, CT. 84-103. (NE)
- 0467 Leonard, R. E. and H. J. Plumley. 1979. Human waste disposal in eastern backcountry. Journal of Forestry, 77(5): 349-352. (NE)
- 0468 Leonard, Raymond E. 1980. Research needs for managing off-road motorcycles. In: Andrews, Richard N.; Nowak, Paul F., eds. Off-road vehicle use; a management challenge. The Office of Environ. Quality, USDA and School of Natural Resources, Univ. of Michigan. 277-282. (NE)
- 0469 Leonard, R. E., Canon, Lance, Adler, Steven, Echelberger, H. E. 1980. Unobtrusive modification of dispersed recreation behavior: One step at a time. In: Proceedings Wilderness Psychology Group Annual Conference; 1980 August 14-15; University of New Hampshire, Durham, NH. 190-201. (NE)
- 0470 Leonard, R. E., H. E. Echelberger, H. J. Plumley, and L. W. Van Meter. 1980. Management guidelines for monitoring research on backcountry trails. USDA For. Serv. Res. Note NE-286, 20 p. (NE)
- 0471 Leonard, R. E., Spencer, E. L., Plumley, H. J. 1981. Backcountry facilities: Design and maintenance. Appalachian Mountain Club, Boston, MA. 214 p. (NE)
- 0472 Leuschner, William A. 1970. Skiing in the Great Lake States: The industry and the skier. USDA Forest Serv. Res. Pap. NC-46, 42 p., illus. North Central Forest Exp. Sta., St. Paul, Minn. (NC)

- 0473 Leuschner, William A., and Roscoe B. Herrington. 1971. The skier: His characteristics and preferences. In Recreation Symp. Proc., Syracuse, N.Y., Oct. 12-14, 1971: 135-142, illus. USDA Forest Serv. North Central Forest Exp. Sta., St. Paul., Minn. (NC)
- 0474 Lewis, Gordon D. 1975. The benefits of vacation home developments to county governments. In Man, Leisure, and Wildlands: A complex interaction. Proc. First Eisenhower Consortium Research Symposium, Sept. 14-19, 1975, Vail, Colo. Eisenhower Consortium Bulletin No. 1 114-120. (RM)
- 0475 Lime, David W. 1969. Superior National Forest auto campgrounds. The Conserv. Volunteer 32(185): 32-35, illus. (NC)
- 0476 Lime, David W. 1969. Wilderness-like recreation opportunities adjacent to the Boundary Waters Canoe Area. Naturalist 20(1): 36-41, illus. (NC)
- 0477 Lime, David W. and Cushwa, Charles T. 1969. The aesthetic importance of wildlife to auto campers in the Superior National Forest. Twenty-sixth Northeast Fish and Wildlife Conf. Trans. 1969: 1-9, illus. (NC)
- 0478 Lime, David W. and Cushwa, Charles T. 1969. Wildlife aesthetics & auto campers in the Superior National Forest. USDA Forest Serv. North Central Forest Exp. Sta., St. Paul, Minn., Res. Pap. NC-32, 8 pp., illus. (NC)
- 0479 Lime, David W. 1970. Research for determining use capacities of the Boundary Waters Canoe Area. Natur. 21(4): 8-13, illus. (NC)
- 0480 Lime, David W. 1971. Factors influencing campground use in the Superior National Forest of Minnesota. USDA Forest Serv. Res. Pap. NC-60, 18 p., illus. North Central Forest Exp. Sta., St. Paul, Minn.
- 0481 Lime, David W. and George H. Stankey. 1971. Carrying capacity: Maintaining outdoor recreation quality. In Recreation Symp. Proc., Syracuse, N.Y., Oct. 12-14, 1971: 174-184. USDA Forest Serv. North Central Forest Exp. Sta., St. Paul, Minn. (NC)
- 0482 Lime, David W. 1972. Behavioral research in outdoor recreation management: An example of how visitors select campgrounds. 198-206. In Environment and the Social Sciences: Perspectives and Applications. Ed. by J. F. Wohlwill and D. H. Carson, Amer. Psychol. Ass. (NC)
- 0483 Lime, David W. 1972. Large groups in the Boundary Waters Canoe Area--Their numbers, characteristics, and impact. USDA Forest Serv. Res. Note NC-142, 4 p. North Central Forest Exp. Sta., St. Paul, Minn. (NC)
- 0484 Lime, David W., and Grace A. Lorence. 1974. Improving estimates of wilderness use from mandatory travel permits. USDA Forest Serv. Res. Pap. NC-101, 7 p, illus. North Central Forest Exp. Sta., St. Paul, Minn. (NC)

- 0485 Lime, David W., and Roland G. Buchman. 1974. Putting wilderness permit information to work. Journal of Forestry, October 1974. 72(10): 622-626, illus. (NC)
- 0486 Lime, David W. 1975. Backcountry river recreation: Problems and research opportunities. Naturalist 26. 2-17. (NC)
- 0487 Lime, David W. 1975. Principles of recreation carrying capacity. In Southern States Recreation Research Applications Workshop, September 15-18, 1975, Asheville, North Carolina. USDA, For. Serv. Gen. Tech. Rep., SE-9. 12 p. (NC)
- 0488 Lime, David W. 1975. Sources of congestion and visitor dissatisfaction in the boundary waters canoe area. Proc. of the Third Waters Canoe Area Institute, sponsored by the Quetico-Superior Foundation, 1975, May 9, 1975, Duluth, MN. 68-72. (NC)
- 0489 Lime, David W. 1976. Wildlife is for nonhunters, too. J. Forest. 74(9), illus. 600-604. (NC)
- 0490 Lime, David W. 1977. The magic number: does it exist? In Lake Superior Visitor: Profit of Loss Conf. Proc. Sigurd Olson Inst., March 1977, Northland College, Ashland, Wisconsin. 26-28. (NC)
- 0491 Lime, David W., and Robert C. Lucas. 1977. Good information improves the wilderness experience. Naturalist, 28(4): 18-20. (INT)
- 0492 Lime, D. W., D. H. Anderson, and S. F. McCool. 1978. An application of the simulator to a river recreation setting. In Simulation of Recreation Use for Park and Wilderness Management. John Hopkins Univ. Press, Baltimore and London. 153-174. (NC)
- 0493 Lime, David W., D. H. Anderson, and L. D. Mech. 1978. Interpreting wildlife through guided expeditions. Jour. Interpretation, 3(2): 10-16. (NC)
- 0494 Lime, David W., Dorothy H. Anderson, and L. David Mech. 1978. Guided expeditions to encounter wildlife: a plus for forest recreation users in Minnesota. In Proceedings, Assn. of Interpretive Naturalists, April 5-7, 1978. Arizona-Sonora Desert Museum, Tucson, AZ. 60-76. (NC)
- 0495 Lime, David W. 1979. Carrying capacity. Trends, 16(2): 37-40. (NC)
- 0496 Lime, David W. 1979. Managing visitor use on whitewater rivers. Trends, 16(2): 24-27. (NC)
- 0497 Lime, David W. 1979. Visitor observation: a tool for appraising interpretive activities. In Proceedings, Assn. of Interpretive Naturalists Workshop, Feb. 13-17, 1979. Bloomington, MN. 49-55. (NC)

- 0498 Lime, David W. 1980. River recreation research: a nationwide perspective. In Proceedings, Trails and Rivers Symposium, Nov. 7-8, 1979. Univ. of Wyoming, Dep. Rec. and Park Adm., Laramie, WY. 119-126. (NC)
- 0499 Lime, David W., Knopf, Richard C. 1980. Assessing trends in river recreation. Landscape Res. 5(3): 17-18. (NC)
- 0500 Lime, David W. 1981. Outfitted and nonoutfitted river runners--who are they and what do they think? In: Proceedings, 1981 Recreation Use Allocation Conference; 1981 April 3-5; Reno, NV. Reno, NV: University of Nevada; 1981: 51-58. (NC)
- 0501 Lime, David W., Field, Donald R. 1981. Highlights. In: Some Recent Products of River Recreation Research. Gen. Tech. Rep. NC-63. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station. 3 p. (NC)
- 0502 Lime, David W., Knopf, Richard C., Peterson, George L. 1981. The national river recreation study: growing new data base with exciting potential. In: Some recent products of river recreation research. Gen. Tech. Rep. NC-63. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station. 1-8. (NC)
- 0503 Lindsay, J. J. and H. E. Echelberger. 1976. Forest recreation research priorities in the Northeast. Subcommittee report RP 2.07 in the Regional and National Agricultural and Forestry Research Planning System. 23 pp.
- 0504 Little, Silas. 1978. Management of natural areas. USDA For. Serv. Gen. Tech. Rep., NE-49. 5 p. (NE)
- 0505 Litton, R. Burton, and Twiss, Robert H. 1967. The forest landscape: some elements of visual analysis. Soc. Amer. Forest. Proc. Sept. 12-15, 1966, Seattle, Wash, pp. 212-214. (PSW)
- 0506 Litton, R. Burton, Jr. 1968. Forest landscape description and inventories--a basis for land planning and design. USDA Forest Serv. Pacific Southwest Forest and Range Exp. Sta., Berkeley, Calif., Res. Pap. PSW-49, 64 pp., illus. (PSW)
- 0507 Litton, R. Burton, Jr., and Kenji Shiozawa. 1971. Visual landscape units of the Lake Tahoe region. In Scenic analyses of the Lake Tahoe region, a guide to planning. (Prepared for Tahoe Reg. Plann. Agency and Forest Serv., USDA) May 1971: 6-14, illus. (PSW)
- 0508 Litton, R. Burton, Jr. 1972. Aesthetic dimensions of the landscape. In Natural Environments--Studies in Theoretical and Applied Analysis. Ed. by John V. Krutilla. Publ. for Resources for the Future, Baltimore and London: Johns Hopkins Univ. Press. 262-291, illus. (PSW)

- 0509 Litton, R. Burton, Jr. 1973. Landscape control points: A procedure for predicting and monitoring visual impacts. USDA Forest Serv. Res. Pap. PSW-91, 22 p., illus. Pacific Southwest Forest and Range Exp. Sta., Berkeley, Calif. (PSW)
- 0510 Litton, Burton, Jr. 1974. Visual vulnerability of forest landscapes. Journal of Forestry. 72(7): 1-4, illus. (PSW)
- 0511 Litton, R. Burton, Jr. 1975. Esthetic resources of the lodgepole pine forest. Management of Lodgepole Pine Ecosystems Symposium Proceedings, edited by David M. Baumgartner, Washington State Univ., Cooperative Extension Serv., Pullman, Wash. 285-296. (PSW)
- 0512 Litton, Burton R. 1977. River landscape quality and its assessment. Reprinted from: River recreation Management and Research Symposium, January 24-27, 1977, Minneapolis, Minn. USDA, For. Serv. Gen. Tech. Rep., NC-28. illus. 46-52. (NC)
- 0513 Litton, R. B., Jr., and R. J. Tetlow. 1978. A landscape inventory framework: scenic analyses of the Northern Great Plains. USDA For. Serv. Gen. Tech. Rep. PSW-135. 83 p. (PSW)
- 0514 Litton, R. B., Jr. 1979. Descriptive approaches to landscape analysis. In Proceedings, Our National Landscape: a conference on applied techniques for analysis and management of the visual resource, Apr. 23-25, 1979. Incline Village, NV. USDA For. Serv. Gen. Tech. Rep., PSW-35. 77-87. (PSW)
- 0515 Litton, R. B., Jr. 1980. Applying visual research concept methods from forestry to the urban scene. In Proceedings, National Urban Forestry Conf., Nov. 13-16, 1978, Wash., DC. G. Hopkins, (ed.). SUNY, ESF Pub. 80-003, Vol. I. 340-348. (NE)(PSW)
- 0516 Litton, R. B., Jr., and P. M. McDonald. 1980. Silviculture and visual resources. In Proceedings, 1979 Convention, Soc. of Amer. Foresters, Oct. 14-17, 1979. Boston, MA. 97-102. (PSW)
- 0517 Litton, R. Burton, Jr. 1980. Oaks and the California landscape. Proceedings of the Symposium on the ecology, management, and utilization of California oaks. 1979 June 26-28; Claremont, CA. Gen. Tech. Report PSW-44, Berkeley, CA. Pacific Southwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture. 161-166. (PSW)
- 0518 Litton, R. Burton, Jr. 1982. Visual assessment of natural landscapes. In: Sadler, Barry; Carlson, Allen. eds. Environmental aesthetics: essays in interpretation. Western Geogr. Series 20(20): 97-115; 1982. (PSW)
- 0519 Lloyd, R. Duane, and Virilis L. Fisher. 1972. Dispersed versus concentrated recreation as forest policy. Seventh World Forest. Congr. Proc. (Buenos Aires, Argentina) Oct. 4-18, 1972: 196(E)-1-2, 1-16, illus. (WO)

- 0520 Lloyd, R. Duane. 1972. Wilderness and options. Capabilities of Montana's Resources. Governor's Symposium Series: Proceedings, October 25-26, 1972. Univ. of Montana, School of Forestry, Missoula, Montana. 38-53, illus. (NE)
- 0521 Love, L. D. 1964. Summer recreational use of selected National Forest campgrounds in the central Rocky Mountains. USDA Forest Serv. Res. Pap. RM 5, 23 pp., illus. (RM)
- 0522 Lucas, Robert C. 1963. Visitor reaction to timber harvesting in the Boundary Waters Canoe Area. USDA Forest Serv. Res. Note LS-2, 3 pp., illus. (NC)
- 0523 Lucas, Robert C. 1963. Bias in estimating recreationists' length of stay from sample interviews. J. Forest. 61(12): 912-914. (NC)
- 0524 Lucas, Robert C. 1964. The recreational capacity of the Quetico-Superior Area. USDA Forest Serv. Res. Pap. LS-15, 34 pp., illus. (NC)
- 0525 Lucas, Robert C. and Priddle, George B. 1964. Environmental perception: a comparison of two wilderness areas (abstr.), Annals, Ass. Amer. Geogr. 54(3): 428-429. (NC)
- 0526 Lucas, Robert C. 1964. Wilderness - user concepts. Naturalist 15(4): 22-29, illus. (Reprinted from paper given at Western Resources Conference, Boulder, Colo., July 1964.) (NC)
- ~~0527 Lucas, Robert C. 1964. Wilderness perception and use: The example of the Boundary Waters Canoe Area. Natur. Resources J. 3(3): 394-411. Reprinted in Burton, Ian, and Kates, Robert W., (eds.) Readings in resource management and conservation. Chicago: Univ. Chi. Press, 1965, pp. 363-374, illus. (NC)~~
- 0528 Lucas, Robert C. 1964. The recreational use of the Quetico-Superior Area. USDA Forest Serv. Res. Pap. LS-8, 52 ppl, illus. (NC)
- 0529 Lucas, Robert C. 1964. The status of recreation research related to users. Soc. Amer. Forest. Proc., pp. 127-130, Oct. 23, 1963, Boston, Mass. (NC)
- 0530 Lucas, Robert C. 1965. The importance of fishing as an attraction and activity in the Quetico-Superior Area. USDA Forest Serv. Res. Note LS-61, 3 pp. (NC)
- 0531 Lucas, Robert C. 1965. A new research program for the Boundary Waters Canoe Area. The Naturalist 16(4): 8-15, illus. (NC)
- 0532 Lucas, Robert C. and Schweitzer, Dennis L. 1965. Outdoor recreation surveys: length-of-stay bias and its correction by computer. USDA Forest Serv. Res. Note LS-68, 2 pp. (NC)
- 0533 Lucas, Robert C. 1966. The contribution of environmental research to wilderness policy decisions. The J. Social Issues 22(4): 116-126. (NC)

- 0534 Lucas, Robert C. 1966. Research on lakes and water-based recreation--prepared statement. Univ. Minn. Water Resources Res. Center Bull. 5, Water Resources Res. and Educational Needs in Minn., pp. 103--107. (NC)
- 0535 Lucas, Robert C. 1966. Research needs generated by new directions in forest policy. Soc. Amer. Forest. Proc., pp. 73-75, 1965, Detroit, Mich. (NC)
- 0536 Lucas, Robert C. 1967. The changing recreational use of the Boundary Waters Canoe Area. USDA Forest Serv. N. Cent. Forest Exp. Sta., St. Paul, Minn., Res. Note NC-42, 4 pp. (NC)
- 0537 Lucas, Robert C. 1969. Research needs for National Parks. Canadian Nat. Parks: today and tomorrow. Conf. Organ. by the Nat. and Prov. Parks Assn. of Can. and the Calgary Univ., Calgary, Alberta, Proc 1968: 904-930. (INT)
- 0538 Lucas, Robert C. 1970. User evaluation of campgrounds on two Michigan National Forests. USDA Forest Serv. Res. Pap. NC-44, 15 p., illus. North Central Forest Exp. Sta., St. Paul, Minn. (NC)
- 0539 Lucas, Robert C. 1970. User concepts of wilderness and their implications for resource management. 297-303, illus. In Environmental Psychology: Man and His Physical Setting, ed. by Harold M. Proshansky, William H. Ittelson, Leanne G. Rivlin, Environmental Psychology Program, the City University of New York. (NC)
- 0540 Lucas, Robert C., Hans T. Schreuder, and George A. James. 1971. Wilderness use estimation: A pilot test of sampling procedures on the Mission Mountains Primitive Area. USDA Forest Serv. Res. Pap. INT-109, 44 p., illus. Intermountain Forest and Range Exp. Sta., Ogden Utah.
- 0541 Lucas, Robert C. 1971. The challenge and the response . . . to Forest Service wilderness management in the Rockies. Natur. Twenty-Two(3): 2-5, illus. (INT)
- 0542 Lucas, Robert C. 1971. Natural amenities, outdoor recreation and wilderness. In Ecology Economics Environment, ed. by R. W. Behan and Richard W. Weddle, Mont. Forest and Conserv. Exp. Sta., Sch. Forest., Univ. Mont., Missoula, 131-150, illus. (INT)
- 0543 Lucas, Robert C. 1971. Hikers and other trail users. In Recreation Symp. Proc., Syracuse, N.Y., Oct. 12-14, 1971: 113-122. USDA Forest Serv. Intermountain Forest and Range Exp. Sta., Ogden, Utah. (INT)
- 0544 Lucas, Robert C. 1973. Wilderness: A management framework. Wilderness cannot survive the draw-a-line-and-leave-it-alone philosophy. J. Soil and Water Conserv. 28: 150-154, illus. (INT)
- 0545 Lucas, Robert C. 1974. Forest Service wilderness research in the Rockies. Western Wildlands, Spring 1974. 5-12, illus. (INT)

- 0546 Lucas, Robert C. 1975. Low compliance rates of unmanned trail registers. USDA For. Serv. Res. Note, INT-200. 6 p. (INT)
- 0547 Lucas, Robert C., and Robert P. Rinehart. 1976. The neglected hiker. Backpacker Magazine, February. 5 p., illus. (INT)
- 0548 Lucas, Robert C., and Mordechai Shechter. 1977. A recreation visitor travel simulation model as an aid to management planning. Reprinted from: Simulation and Games, 8(3), September 1977. 375-384. (INT)
- 0549 Lucas, Robert C. 1977. Symposium summary. In Proceedings, River Recreation Management and Research Symposium. USDA For. Serv. Gen. Tech. Rep., NC-28, 1977. 417-420. (INT)
- 0550 Lucas, Robert C. 1978. What we know of wildland recreation users. In Proceedings, Wildland Recreation Conference, Banff, Alberta, Canada. Univ. of Alberta, Edmonton, Canada. 66-100. (INT)
- 0551 Lucas, Robert C. 1978. Impact of human pressure on parks, wilderness, and other recreational lands. In Sourcebook on the Environment: A guide to the Literature. Kenneth A. Hammond, George Macinko, and Wilma B. Fairchild, (eds.). The Univ. of Chicago Press, Chicago, IL. 221-239. (INT)
- 0552 Lucas, Robert C. 1979. Perceptions of nonmotorized recreational impacts: a review of research findings. In Recreational Impact on Wildlands Conference. Ruth Ittner and others (eds.). USDA For. Serv. R-6-001. 24-31. (INT)
- 0553 Lucas, Robert C. 1980. Use patterns and visitor characteristics, attitudes, and preferences in nine wilderness and other roadless areas. USDA For. Serv. Res. Pap., INT-253. 89 p. (INT)
- 0554 Lucas, Robert C. 1981. Redistributing wilderness use through information supplied to visitors. Res. Pap. INT-277. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station. 15 p. (INT)
- 0555 Lucas, Robert C. 1981. Wildland and recreation research needs: A Forest Service viewpoint. In: Gum, Russell L.; Arthur, Louise M., eds. Outdoor recreation and the public interest: Proceedings of the 1979 meeting of W-133; 1981 March. Spec. Rep. 610. Corvallis, OR: Oregon State University; 1981: 31-42. (INT)
- 0556 Lucas, Robert C., Kovalicky, Thomas J. 1981. Self-issued wilderness permits as a use measurement system. Res. Pap. INT-270. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station. 18 p. (INT)
- 0557 Lucas, Robert C. 1982. Recreation regulations--when are they needed? J. For. 80(3): 148-151; 1982. (INT)

- 0558 Maddock, Stephen J., Gehrken, George A., and Guthrie, W. Alan. 1965. Rural male residents' participation in outdoor recreation. USDA Forest Serv. Res. Note SE-49, 2 pp. (SE)
- 0559 Maddock, Stephen J., Gehrken, George A., and Guthrie, W. Alan. 1966. Outdoor recreation preferences of rural residents. Virginia Wildlife XXVII(3): 20, illus. (SE)
- 0560 Maddock, Stephen J., and Gehrken, George A. 1967. Are company hunting policies understood by hunters? Southern Lumberman, Christman Issue 215(2680): 195, 198, illus. (SE)
- 0561 Magill, Arthur W. 1962. We must preserve campground habitat. Recreation LV(6): 297-298. (PSW)
- 0562 Magill, Arthur W. 1963. Evaluating ecological trends on campgrounds. USDA Forest Serv. Res. Note PSW-N16, 3 pp. (PSW)
- 0563 Magill, Arthur W. and Nord, Eamor C. 1963. An evaluation of campground conditions and needs for research. USDA Forest Serv. Res. Note PSW-4, 8 pp., illus. (PSW)
- 0564 Magill, Arthur W. and Twiss, Robert H. 1965. A guide for recording aesthetic and biologic changes with photographs. USDA Forest Serv. Res. Note PSW-77, 8 pp., illus. (PSW)
- 0565 Magill, Arthur W., and Leiser, Andrew T. 1967. New help for worn out campgrounds. Family Camping Leader 4(4): 16-18, illus. (PSW)
- 0566 Magill, Arthur W. 1970. Five California campgrounds. . . conditions improve after 5 years' recreational use. USDA Forest Serv. Res. Pap. PSW-62, 18 p., illus. Pacific Southwest Forest and Range Exp. Sta., Berkeley, Calif. (PSW)
- 0567 Magill, Arthur W., and Andrew T. Leiser. 1972. Growing plants on view landscapes and recreation areas. Guideline 2(5): 57, 59-61, illus. (PSW)
- 0568 Magill, Arthur W. 1974. Dispersal of recreationists on wildlands. Outdoor Recreation Research: Applying the results. USDA For. Serv. Gen. Tech. Rep., NC-9. 92-97. (PSW)
- 0569 Magill, Arthur W. 1976. Campsite reservation systems...the camper's viewpoint. USDA, For. Serv. Res. Pap., PSW-121, 1976. 15 p. (PSW)
- 0570 Magill, Arthur W. 1976. The message of vandalism. In Vandalism and Outdoor Recreation Symposium Proceedings. USDA, For. Serv. Gen. Tech. Rep., PSW-17. 50-54. (PSW)
- 0571 Magill, Arthur W. 1977. Methods to control negative impact of recreation use. In River Recreation Management and Research Symposium, January 24-27, 1977, Minneapolis, Minn. USDA, For. Serv. Gen. Tech. Rep., NC-28. 402-404. (PSW)

- 0572 Magill, Arthur W. 1978. The challenge of interpretation in urban forestry. Reprinted from: The Interpreter, Winter, 1977-78. 9(4): 7-9. (PSW)
- 0573 Magill, Arthur W. 1979. Campsite reservations: a public service. In Proceedings, Conference on Campgrounds and Camping 1980: Trends, Research, Future Needs, Nov. 5-8, 1978, Land-Between-the-Lakes, TN. Southern Illinois Univ., Carbondale, IL. Illus. 17-24. (PSW)
- 0574 Magill, Arthur W., Rowan A. Rowntree, and Robert O. Brush. 1979. Visual impacts in the urban-wildland interface. In Proceedings, Our National Landscape: A Conference on Applied Techniques for Analysis and Management of the Visual Resource, April 23-25, 1979. Incline Village, NV. USDA For. Serv. Gen. Tech. Rep., PSW-35, 1979. Illus. 752 p. (PSW)
- 0575 Manfredo, Michael J., Perry J. Brown, and Glenn Haas. 1979. Fishermen values in wilderness. In Proceedings, Annual Meeting, Western Association of Fish and Wildlife Agencies. San Diego, CA. July 18-20. (RM)
- 0576 Manfredo, Michael J., Brown, Perry J. 1981. Use of recreation opportunity planning to inventory arid lands in eastern Oregon--a demonstration. In: Lund, H. Gyde [et al.] tech. coords. Arid land resource inventories: Developing cost-efficient methods: Proceedings of the workshop; 1980 November 30-December 6, La Paz, Mexico. Gen. Tech. Rep. WO-28. Washington, D.C.: U.S. Department of Agriculture, Forest Service. 331-337. (RM)
- 0577 Marans, Robert W., Fly, J. Mark. 1981. Recreation and the quality of life: Recreational resources, behaviors, and evaluation of people in the Detroit Region. Ann Arbor, MI: Survey Research Center, University of Michigan, Research Report Series. 234 p. (NC)
- 0578 Marcin, Thomas C., and David W. Lime. 1977. Our changing population structure: what will it mean for future outdoor recreation use? Reprinted from: Proceedings of the National Symposium on Outdoor Recreation, November 11-13, 1974, New Orleans, Louisiana. illus. 42-53. (NC)
- 0579 Marcus, Leslie F., Gould, Ernest M., Jr., and Bury, Richard L. 1961. Measuring the recreation use of National Forests. USDA Forest Serv. Pacific Southwest Forest and Range Exp. Sta. Tech. Pap. 59, 26 pp., illus. (PSW)
- 0580 Martin, Burnham H.; Taylor, Dorothy T. Informing backcountry visitors, a catalog of techniques. Appalachian Mountain Club, Boston, MA. 104p. (NE)
- 0581 Martinelli, M. 1976. Meteorology and ski area development and operation. Reprinted from: Proceedings of the Fourth National Conference on Fire and Forest Meteorology, November 16-18, 1976, St. Louis, Mo. USDA, For. Serv. Gen. Tech. Rep., RM-32. 142-146. (RM)
- 0582 McCay, Roger E. 1976. Ohio trail users. USDA, For. Serv. Res. Note, NE-228. illus. 3 p. (NE)

- 0583 McCay, Roger E., and George H. Moeller. 1976. Compatibility of Ohio trail users. USDA, For. Serv. Res. Note, NE-225. illus. 4 p. (NE)
- 0584 McCay, Roger E., David A. Gansner, and Jane R. Riddle. 1978. Preparing directories to local outdoor recreation facilities. USDA For Serv. Gen. Tech. Pap., NE-46. Illus. 20 p. (NE)
- 0585 McCay, Roger E., David A. Gansner, and John J. Padaline. 1978. Measuring the attitudes and awareness of environmental education camp users. USDA For. Serv. Res. Pap., NE-426. Illus. 13 p. (NE)
- 0586 McCool, Stephen F., Lawrence C. Merriam, Jr., and Charles T. Cushwa. 1969. The condition of wilderness campsites in the Boundary Waters Canoe Area. Minn. Forest Res. Notes No. 202, 4 p. (NC)
- 0587 McCool, Stephen F. 1970. Travel method preferences of Boundary Waters Canoe Area campers. Univ. Minn., Minn. Forest. Res. Notes No. 219, 4 p.
- 0588 McCool, Stephen F., and Lawrence C. Merriam, Jr. 1970. Factors associated with littering behavior in the Boundary Waters Canoe Area. Univ. Minn., Minn. Forest. Res. Notes No. 218, 4 p. (NC)
- 0589 McCool, Stephen F., and Lawrence C. Merriam, Jr. 1971. Camper-outfitter interaction and the Boundary Waters Canoe Area, Superior National Forest, Minnesota. Univ. Minn., Minn. Forest. Res. Notes No. 225, 4 p. (NC)
- 0590 McCurdy, Dwight R. 1963. Ohio's private outdoor and forest recreation industry. Ohio Conserv. Bull. 27(12): 16-18, illus. (NE)
- 0591 McCurdy, Dwight R. 1964. Income from recreation. Ohio Woodlands 2(1): 4-5, illus. (NE)
- 0592 McCurdy, Dwight R. 1964. Making woodland recreation pay. Soc. Amer. Foresters Proc. 1964: 156-158, illus., Denver, Colo. (NE)
- 0593 McCurdy, Dwight R. 1965. The forest recreation provider--who is he? J. Soil and Water Conserv. 20(3): 2 pp., illus. (NE)
- 0594 McCurdy, Dwight R. and Mischon, Raymond M. 1965. A survey of Ohio's forest picnic businesses. USDA Forest Serv. Res. Note CS-37, 6 pp., illus. (NE)
- 0595 McCurdy, Dwight R. and Mischon, Raymond M. 1965. Outdoor recreation and Ohio bankers. The Ohio Banker 57(11): 8-9, 28, illus. (NE)
- 0596 McCurdy, Dwight R., and Mischon, Raymond M. 1965. A look at the private campground user. USDA Forest Serv. Cent. States Forest Exp. Sta. Res. Pap. CS-18, 12 pp., illus. (NE)

- 0597 McLellan, Robert W.; Senter, Herman F. 1981/82. Recreational use of private lands in urban areas. Clemson, SC: College of Forest and Recreation Resources; Department of Recreation and Park Administration; October 1981; Res. Report No. RPA 1981/82-2. 70 p. (SE)
- 0598 Merriam, L. C., Jr., Kent Goeckermann, J. A. Bloemendal, and T. M. Costello. 1971. A progress report on the condition of newly established campsites in the Boundary Waters Canoe Area. Univ. Minn., Minn. Forest. Res. Notes No. 232, 4 p. (NC)
- 0599 Merriam, L. C., Jr., C. K. Smith, D. E. Miller, Ching tiao Huang, J.C. Tappeiner, II, Kent Goeckermann, J. A. Bloemendal, and T. M. Costello. 1973. Newly developed campsites in the Boundary Waters Canoe Area--A study of 5 years' use. Sta. Bull. 511, Forest Series 14, Agr. Exp. Sta., Univ. Minn., 28 p., illus. (NC)
- 0600 Merriam, L. C., and C. K. Smith. 1974. Visitor impact on newly developed campsites in the Boundary Waters Canoe Area. Journal of Forestry, October 1974. 72(10): 1-4. (NC)
- 0601 Merriam, L. C., Peterson, R. F., Knopp, T. B. 1980. Changes in boundary waters camping places--reflections over fourteen years. Nat. 31(4): 28-31. (NC)
- 0602 Merz, Robert W. 1963. A private forest playground in southern Illinois. The Northern Logger 12(1): 22, 23, 44, 45, illus. (NC)
- 0603 Metro, Laura J.; Dwyer, John F.; Dreschler, Erwin S. 1981. Forest experiences of fifth-grade Chicago Public School students. Res. Pap. NC-216. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station; 1981. 6 p. (NC)
- 0604 Mitchell, Clifford C., Schomaker, John H. 1980. Wilderness travel simulator: a GPSS/360 users's manual with exercises. Moscow, ID: University of Idaho; Forest, Wildlife and Range Experiment Station; Contribution No. 134. 74 p. (NC)
- 0605 Moeller, George H. 1969. The snowmobile: boondocks bonanza or bust? Northern Logger 18(5): 24, 43, and 45, illus. (NE)
- 0606 Moeller, George H and Ronald I. Beazley. 1970. A simple computer approach to regional identification with an outdoor recreation planning example. Occa. Pap. in Geogr. Number 3. Dept. of Geogr. and USDA Forest Serv. S. Ill. Univ., Carbondale, Ill., 32 p., illus. (NE)
- 0607 Moeller, George H. 1971. Growth of the camping market in the Northeast. USDA Forest Serv. Res. Pap. NE-202, 21 p., illus. Northeastern Forest Exp. Sta., Broomall, Pa. (NE)
- 0608 Moeller, George H. 1971. The landowner & the snowmobiler--problem or profit? USDA Forest Serv. Res. Pap. NE-206, 15 p., illus. (NE)

- 0609 Moeller, George H. and Douglas A. Morrison. 1971. Campground owners: Your business may be influenced by how you answer mail. Dep. Resour. Manage., St. Univ. N.Y., Coll. Forest., Syracuse Univ., 7 p. (NE)
- 0610 Moeller, George H. and John Engelken. 1972. What fishermen look for in a fishing experience. J. Wildlife Manage. 36(4): 1253-1257. (NE)
- 0611 Moeller, George H., and John Engelken. 1973. Fishermen expectations and pay-take profits. USDA Forest Serv. Res. Pap. NE-261, 5 p., illus. (NE)
- 0612 Moeller, George H., Robert MacLachlan, and Douglas A. Morrison. 1974. Measuring perception of elements in outdoor environments. USDA Forest Serv. Res. Pap. NE-289, 9 p., illus. (NE)
- 0613 Moeller, George H., Rodney G. Larson, and Douglas A. Morrison. 1974. Opinions of campers and boaters at the Allegheny Reservoir. USDA For. Serv. Res. Pap., NE-307. 1-26, illus. (NE)
- 0614 Moeller, George H. 1975. Future trends in recreation resource management. Proc. of 21st National Conservation Education Association Meeting, State University of New York, College of Environmental Sciences and Forestry, Syracuse, N.Y. 18-21. (NE)
- 0615 Moeller, George H. 1975. The delphi technique: An approach to identifying events that will shape the future of outdoor recreation. In Indicators of Change in the Recreation Environment--A National Research Symposium, Penn State HPER Series No. 6, 1975. 212-220. (NE)
- 0616 Moeller, George H., Gerald S. Walton, and Elwood L. Shafer, Jr. 1975. Dimensions of recreation resources planning decisions. Recreation Review, Fall 1974. 24-35, illus. (NE)
- 0617 Moeller, George H., and Thomas More. 1976. Future urban recreation demands on U.S. national parks and forests. Reprinted from: Trees and Forests for Human Settlements, Centre for Urban Forestry Studies, University of Toronto Press, Toronto, Ontario. 93-106. (NE)
- 0618 Moeller, G. M. Mescher, T. More, and E. Shafer. 1980. The informal interview as a technique for recreation research. J. of Leisure Res., 12(2): 174-182. (NE)
- 0619 More, Thomas A. 1976. Urban forest recreation: a strategy for research. Reprinted from: Southern States Recreation Research Applications Workshop, September 15-18, 1975, Asheville, North Carolina. USDA, For. Serv. Gen. Tech. Rep., SE-9. illus. 7 p. (NE)
- 0620 More, Thomas A. 1977. Formation of wildlife perceptions. In Transactions, Northeastern Fish and Wildlife Conference, University of Mass., Amherst, MA. 81-85. (NE)

- 0621 More, Thomas A., Robert O. Brush, and J. Alan Wagar. 1977. Variation and recreation quality river management. Reprinted from: River Recreation Management and Research Symposium, January 24-27, 1977, Minneapolis, Minn. USDA, For. Serv. Gen. Tech. Rep., NC-28. (NE)
- 0622 More, Thomas A. 1978. Graduate education in recreation in the U.S. Forestry schools: a status report and comment. In Proceedings, Soc. of Amer. Foresters Annual Meeting, Oct. 24, 1978, St. Louis, MO. 416-418. (NE)
- 0623 More, Thomas A. and Brian R. Payne. 1978. Affective responses to natural areas near cities. Reprinted from: Leisure Res., 10(1): 7-12. (NE)
- 0624 More, Thomas A. 1979. Managing recreation areas for quality user experiences: a theoretical framework. USDA For. Serv. Res. Pap., NE-432. illus. 14 p. (NE)
- 0625 More, Thomas A. 1979. The demand for nonconsumptive wildlife uses: a review of the literature. USDA For. Serv. Gen. Tech. Rep., NE-52. 15 p. (NE)
- 0626 More, T. 1980. Emotional responses to recreation environments. USDA For. Serv. Res. Pap., NE-461. 8 p. (NE)
- 0627 More, T. 1980. Trail deterioration as an indicator of trail use in an urban forest recreation environment. USDA For. Serv. Research Note, NE-292. 4 p. (NE)
- 0628 Morgan, James T. 1963. Some elements in the demand for outdoor recreation. In Economics of Outdoor Recreation in the Upper Midwest, Univ. Min. Duluth, pp. 269-272. (NC)
- 0629 Morgan, James T. 1970. User capacities of the Boundary Waters Canoe Area. The Quetico-Superior Found. 1970 Inst. on the Boundary Waters Canoe Area. Proc., 82-84. (NC)
- 0630 Morgan, James T. 1971. Putting the pieces together. Natur. Vol. Twenty-Two(4): 22-23, illus. (NC)
- 0631 Murray, Judith Buckley. 1974. Appalachian trail users in the Southern National Forests: Their characteristics, attitudes, and management preferences. USDA For. Serv. Res. Pap., SE-116. 1-19, illus. (SE)
- 0632 Muth, Robert M., and Salley Anne Fichet. 1976. Recreation and scenic resources in Alaska. An Annotated Bibliography. USDA, For. Serv. Gen. Tech. Rep., PNW-50. 78 p. (PNW)
- 0633 Muth, Robert M., and Roger N. Clark. 1978. Public participation in wilderness and backcountry litter control: a review of research and management experience. USDA For. Serv. Gen. Tech. Rep., PNW-75. 12 p. (PNW)

- 0634 Myktestad, Erik and J. Alan Wagar. 1976. PREVIEW: computer assistance for visual management of forested landscapes. USDA, For. Serv. Res. Pap., NE-355. illus. 12 p. (NE)
- 0635 Naparst, Stanley. 1965. A Survey: Castle Craggs State Park. News and Views, August 1965, pp. 11-14 (PSW)
- 0636 Nelson, Irene J. 1972. Recreation patterns in youth camps in Florida and Alabama. J. Leisure Res. 4: 284-292. (SO)
- 0637 Nelson, Irene J. 1973. Site characteristics of resident youth camps in Florida and Alabama. Southeast. Geogr. XIII(2): 82-91, illus. (SO)
- 0638 Newby, Floyd L. 1967. Man-nature-beauty: A research dilemma. XIV. IUFRO-Kongress, Munchen 1967 Pap., VII, Section 26: 227-238. (USDA)
- 0639 Nichols, Len M., Marianne Bowes, and John F. Dwyer. 1978. Reflecting travel time in travel-cost based estimates of recreation use and value. Ill. Agric. Exp. Stn. For. Res. Rep., Univ. of Ill., Urbana, IL. 8 p. (NC)
- 0640 Nord, Eamor C. 1962. Vegetation changes on recreation sites in National Forest campgrounds. In Recreation in wildland management - selected speeches and discussions. 14th Annu. Univ. Calif. Ext. Forest. Field School, Apr. 9-13, 1962. (n.p.) (PSW)
- 0641 Nord, Eamor C. and Magill, Arthur W. 1963. A device for gaging campground screening cover. J. Forest. 61(6): 450-451. (PSW)
- 0642 Norgaard, J. K., T. Kovalicky, and G. Stankey. 1979. Wilderness myths: some falsehoods are put to rest. Montana Mag., Jul.-Aug. 53-56. (INT)
- 0643 North Central Forest Experiment Station. 1974. Outdoor recreation research: Applying the results. Workshop held by the USDA For. Serv. at Marquette, Michigan, June 19-21, 1973. USDA For. Serv. Gen. Tech. Rep., NC-9. 113 p. (NC)
- 0644 North Central Forest Experiment Station. 1977. Proceedings: river recreation management and research symposium, January 24-27, 1977, Minneapolis, Minn. USDA, For. Serv. Gen. Tech. Rep., NC-28. illus. 455 p. (NC)
- 0645 Northeastern Forest Experiment Station. 1976. Outdoor recreation facilities in Northeastern Pennsylvania, Luzerne County. The study was supported by funds provided by USDA, Forest Service, Northeastern Forest Experiment Station. 57 p. (NE)
- 0646 Northeastern Forest Experiment Station. 1976. Outdoor recreation participation in Northeastern Pennsylvania, 1975. Prepared by Idle Associates, Inc., Philadelphia, Pa., with cooperation with Northeastern Forest Experiment Station. illus. 200 p. (NE)

- 0647 Northeastern Forest Experiment Station. 1971. Recreation symposium proceedings. 211 p., illus. USDA Forest Serv., Northeastern Forest Exp. Sta., Upper Darby, Pa. (NE)
- 0648 Northeastern Forest Experiment Station. 1972. Summary of the forest recreation symposium. USDA Forest Serv. Res. Pap. NE-235, 41 p. (NE)
- 0649 Noyes, John H. 1969. Management of birch for aesthetics and recreation.. USDA Forest Serv. Northeast. Forest Exp. Sta. Birch Symp. Proc. 1969: 178-180. (NE)
- 0650 Nyland, R. D., P. J. Craul, D. F. Behrend, H.E. Echelberger, W. J. Gabriel, R. L. Nisson, Jr., R. Uebler, and J. Zarnetski. 1976. Logging and its effects in northern hardwoods. AFRI Res. Rep. No. 31. SUNY Col. Env. Sci. and For., Syracuse, NY. 134 p. (NE)
- 0651 Nyland, R. D., D. F. Behrend, P. J. Craul, H. E. Echelberger. 1977. Effects of logging in northern hardwood forests. Tappi, 60(6): 58-61. (NE)
- 0652 O'Leary, Joseph T., Theobald, William F., Dwyer, John F. 1980. Putting the cart before the horse: When do the data catch up with the theory? In: Tourism Planning and Development Issues: Proceedings of the International Symposium on Tourism and the Next Decade; 1979 March 11-15, Washington, D.C. George Washington University. 463-473. (NC)
- 0653 O'Leary, Joseph T., Benjamin, Patricia. 1981. Ethnic variation in leisure behavior: studies, theories, and directions for future research. West Lafayette, IN: Department of Forestry and Conservation, Purdue University. 96 p. (NC)
- 0654 O'Leary, Joseph T.; Benjamin, Patricia J. 1982. Ethnic variation in leisure behavior: The Indiana case. Sta. Bull. 349. West Lafayette, IN: Purdue University, Department of Forestry and Natural Resources, Agricultural Experiment Station; 1982. 45 p. (NC)
- 0655 Ohmann, Lewis F. and Ream, Robert R. 1969. Vegetation studies in the BWCA--A brief report on plant communities. Naturalist 20(1): 20-29, illus. (NC)
- 0656 Ohmann, Lewis F. 1971. Wilderness ecology: Virgin plant communities of the Boundary Waters Canoe Area. USDA Forest Serv. Res. Pap. NC-63, 55 p., illus. North Central Forest Exp. Sta., St. Paul, Minn. (NC)
- 0657 Ohmann, Lewis F., Charles T. Cushwa, Roger E. Lake, James R. Beer, and Robert H. Brander. 1973. Wilderness ecology: The upland plant communities woody browse production, and small mammals of two adjacent 33-year-old wildfire areas of northeastern Minnesota. USDA Forest Serv. Gen. Tech. Rep. NC-7, p., illus. North Central Forest Exp. Sta., St. Paul, Minn. (NC)

- 0658 Oliveira, Ronald A. 1973. Systems analysis in land-use planning--a conceptual development. USDA Forest Serv. Gen. Tech. Rep. PSW-5, 8 p., illus. Pacific Southwest Forest and Range Exp. Sta., Berkeley, Calif. (PSW)
- 0659 Ohmann, Lewis F. 1975. Vegetation and wildlife ecological research for the boundary waters canoe area. Proc. of the Third Boundary Waters Canoe Area Institute. Quetico-Superior Foundation. 52-67. (NC)
- 0660 Olson, Charles E., Jr., Tombaugh, Larry W., and Davis, Hugh C. 1969. Inventory of recreation sites. Photogram. Eng. 1969: 561-568, illus. (SE)
- 0661 Omi, Philip, Lee C. Wensel, and James L. Murphy. 1979. An application of multivariate statistics to land-use planning: classifying land units into homogeneous zones. Forest Science, 25(3): 394-417. (PSW)
- 0662 Orning, George W. 1966. Private pleasure boating in the National Forests of Minnesota. USDA Forest Serv. Res. Note NC-15, 4 pp., illus. (NC)
- 0663 Orr, James and Rowan Rowntree. 1979. The American National Park System: a selected review. Public Administration series: Bibliography. Vance Bibliographies, Monticello, IL. 64 p. (NE)
- 0664 Orr, James, and Judith Wolfe. 1979. Technology transfer and the diffusion of innovation: a working bibliography with annotations. Public Administration series: Bibliography. Vance Bibliographies, Monticello, IL. 76 p. (NE)
- 0665 Pacific Southwest Forest and Range Experiment Station. 1977. State-of-the-art methods for research, planning, and determining the benefits of outdoor recreation. Compiled by Gary H. Elsner. USDA, For. Serv. Gen. Tech. Rep., PSW-20. illus. 62 p. (PSW)
- 0666 Pacific Southwest Forest and Range Experiment Station. 1979. Our National Landscape: a conference on applied techniques for analysis and management of the visual resource. Ap 23-25, 1979. Incline Village, NV. USDA For. Serv. Gen. Tech. Rep., PSW-35. 752 pp. (PSW)
- 0667 Paine, Lee A. 1966. Accidents caused by hazardous trees on California forest recreation sites. USDA Forest Serv. Pacific Southwest Forest and Range Exp. Sta., Berkeley, Calif., Res. Note PSW-133, 3 pp. (PSW)
- 0668 Paine, Lee A. 1966. Butt rot defect and potential hazard in lodgepole pine on selected California recreational areas. USDA Forest Serv. Pacific Southwest Forest and Range Exp. Sta., Berkeley, Calif., Res. Note PSW-106, 7 pp., illus. (PSW)
- 0669 Paine, Lee A. 1967. Effective tree hazard control on forested recreation sites. . . losses and protection costs evaluated. USDA Forest Serv. Pacific Southwest Forest and Range Exp. Sta., Berkeley, Calif., Res. Note PSW-157, 8 pp., illus (PSW)

- 0670 Paine, Lee A. 1967. Tree hazard control on recreation sites...estimating total budgets. USDA Forest Serv. Pacific Southwest Forest and Range Exp. Sta., Berkeley, Calif., Res. Note PSW-160, 5 pp. (PSW)
- 0671 Paine, Lee A. 1971. Accident hazard evaluation and control decisions on forested recreation sites. USDA Forest Serv. Res. Pap. PSW-68, 10 p., illus. Pacific Southwest Forest and Range Exp. Sta., Berkeley, Calif. (PSW)
- 0672 Paine, Lee A. 1973. Administrative goals and safety standards for hazard control on forested recreation sites. USDA Forest Serv. Res. Pap. PSW-88, 13 p., illus. Pacific Southwest Forest and Range Exp. Sta., Berkeley, Calif. (PSW)
- 0673 Parrott, Harry A., and Don H. Boelter. 1979. The use of peat filter beds for wastewater renovation at forest recreation areas. In Utilization of Municipal Sewage Effluent and Sludge on Forest and Disturbed Land. Penn. State Univ. Press, University Park, PA. 115-121. (NC)
- 0674 Payne, Brian R., and Richard M. DeGraaf. 1975. Economic values and recreation trends associated with human enjoyment of nongame birds. USDA For. Serv. Gen. Tech. Rep., WO-1. 6-10. (NE)
- 0675 Petersen, Margaret. 1981. Trends in recreational use of National Forest wilderness. Res. Note INT-319. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1981. 3 p. (INT)
- 0676 Peterson, George L., and David W. Lime. 1973. Two sources of bias in the measurement of human response to the wilderness environment. J. Leisure Res. 5(2): 66-73. (NC)
- 0677 Peterson, George L. 1974. A comparison of the sentiments and perceptions of wilderness managers and canoeists in the boundary waters canoe area. Journal of Leisure Research, 6(Summer). 194-206, illus. (NC)
- 0678 Peterson, George L. 1974. Evaluating the quality of the wilderness environment congruence between perception and aspiration. Environment and Behavior, June 1974. 6(2): 169-192, illus. (NC)
- 0679 Peterson, George L. 1979. Appendix A to the relationships between recreation and instream flow. In Workshop in Instream Flow Habitat Criteria and Modeling. G. L. Smith (ed.). Colorado Water Research Institute, Colorado State Univ., Ft. Collins, CO. 195-232. (NC)
- 0680 Peterson, George L., and James deBettencourt. 1979. Flow-metering of wilderness travel in the Quetico Superior: new findings and research needs. Modeling and Simulation, 10(3): 1335-1340. (NC)

- 0681 Peterson, G. L., G. Howard, Wm. Honore, and D. W. Lime. 1979. The relationships between recreation and instream flow. In Proceedings, Workshop in Instream Flow Habitat Criteria and Modeling. G. L. Smith (ed.). Colorado Water Resource Research Institute, Colorado State Univ., Ft. Collins, CO. (NC)
- 0682 Peterson, George L., and David W. Lime. 1979. People and their behavior: a challenge for recreation management. Journal of Forestry, 77(6): 343-346. (NC)
- 0683 Peterson, George L., Lime, David W. 1980. How does travel distance to the Boundary Waters influence use? Nat. 31(4): 22-27. (NC)
- 0684 Peterson, George L., and David W. Lime. 1980. Recreation policy analysis in wilderness management: a case study of the Quetico-Superior. In Proceedings, Third Annual Applied Geogr. Conf. J. W. Frazier and B. J. Epstein (eds.). Dept. of Geogr., SUNY, Binghamton, NY and Dep. Geogr., Kent State, OH. 4-13. (NC)
- 0685 Peterson, George L., Lime, David W., Anderson, Dorothy H. 1980. A method for explaining trends in river recreation demand. In: Vol. II Proceedings, 1980 National Outdoor Recreation Trends Symposium; 1980 April 20-23; Durham, NH. Gen. Tech. Rep. NE-57. Broomall, PA: U.S. Department of Agriculture, Forest Service, Northeastern Forest Experiment Station. 161-169. (NC)
- 0686 Peterson, George L., Lime, David W., Anderson, Dorothy H. 1981. Attraction of recreationists to rivers--a nationwide view. In: Some recent products of river recreation research. Gen. Tech. Rep. NC-63. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station. 18-26. (NC)
- 0687 Peterson, George L.; Anderson, Dorothy H.; Lime, David W. 1982. Multiple-use site demand analysis: An application to the Boundary Waters Canoe Area Wilderness. J. Leisure Res. 14(1): 27-36; 1982. (NC)
- 0688 Plumley, J. J., H. T. Peet, and R. E. Leonard. 1978. Records of backcountry use can assist trail managers. USDA For. Serv. Res. Pap., NE-414. 19 p. (NE)
- 0689 Plumley, H. J., Leonard, R. E. 1981. Composting human waste at remote recreation sites. Parks 6(1):18-22. (NE)
- 0690 Potter, Dale R., and J. Alan Wagar. 1971. Techniques for inventorying manmade impacts in roadway environments. USDA Forest Serv. Res. Pap. PNW-121, 12 p., illus. Pacific Northwest Forest and Range Exp. Sta., Portland, Oreg. (PNW)
- 0691 Potter, Dale R., Kathryn M. Sharpe, John C. Hendee, and Roger N. Clark. 1972. Questionnaires for research: An annotated bibliography on design, construction and use. USDA Forest Serv. Res. Pap. PNW-140, 80 p. (PNW)

- 0692 Potter, Dale R., John C. Hendee, and Roger N. Clark. 1973. Hunting satisfaction: Game, guns, or nature? Thirty-eighth N. Amer. Wildlife and Natur. Resour. Conf. Trans. (Washington, D.C.) March 18-21, 1973: 220-229. (PNW).
- 0693 Potter, Dale R., John C. Hendee, and Lee E. Evison. 1973. Hunters at regulated plant-and-shoot pheasant areas in western Washington. USDA Forest Serv. Res. Pap. PNW-160, 30 p., illus. Pacific Northwest Forest and Range Exp. Sta., Portland, Oreg. (PNW)
- 0694 Potter, Dale R., Kathryn M. Sharpe, and John C. Hendee. 1973. Human behavior aspects of fish and wildlife conservation--an annotated bibliography. USDA Forest Serv. Gen. Tech. Rep. PNW-4, 288 p. (PNW)
- 0695 Putney, Allen D., and J. Alan Wagar. 1973. Objectives and evaluation in interpretive planning. J. Environ. Educ. 5(1): 43-44. (PNW)
- 0696 Ragatz, Richard L., and H. Ken Cordeli. 1980. A Comprehensive bibliography on vacation homes and recreation land in the United States. USDA For. Serv. Res. Pap., SE-202. 31 p. (SE)
- 0697 Ravenscraft, David J., and John F. Dwyer. 1978. Estimating the influence of congestion on the willingness of users to pay for recreation areas. Ill. Agric. Exp. Stn. For. Res. Rep. 78-5. Univ. of Ill., Urbana, IL. 7 p. (NC)
- 0698 Ravenscraft, David J., and John F. Dwyer. 1978. Reflecting site attractiveness in travel cost-based models for recreation benefit estimation. Illinois Agric. Exp. Stn. For. Res. Rep. 78-6. Univ. of Ill., Urbana. 7 p. (NC)
- 0699 Ream, Robert R., and Lewis F. Ohmann. 1971. Analysis of wilderness ecosystems. In Statist. Ecol. G. P. Patil, E. C. Pielou, and W. E. Waters (eds.). Penn State Press. Vol. 3: 123-131, illus. (NC)
- 0700 Ream, Catherine H. 1979. Human-wildlife conflicts in backcountry: possible solutions. In Proceedings, Recreational Impact on Wildlands Conference. USDA For. Serv. R-6-001. 153-163. (INT)
- 0701 Ream, Catherine H. 1980. Impact of backcountry recreationists on wildlife: an annotated bibliography. USDA For. Serv. Gen. Tech. Rep., INT-84. 62 p. (INT)
- 0702 Reethof, Gerhard and Gordon M. Heisler. 1976. Trees and forests for noise abatement and visual screening. Reprinted from: Better trees for Metropolitan Landscapes, Symposium Proceedings. USDA, For. Serv. Gen. Tech. Rep., NE-22. 39-47. (NE)
- 0703 Resler, Rexford A. 1974. Outdoor recreation needs. The view of a major land managing agency. Keynote address at the National Outdoor Recreation Research Needs Workshop, Harpers Ferry, West Virginia, September 4, 1974. 2-5. (WO)

- 0704 Richards, Merton T., David A. King and William B. Kurtz. 1977. Recreational visitors to the Mogollon rim area of Arizona. Prepared in cooperation with the Rocky Mountain Forest and Range Experiment Station, and USDA, Forest Service, under Agreement numbers 16-265-CA and 16-307-CT. illus. 80 p. (RM)
- 0705 Richards, Merton T., and David A. King. 1977. Six recreation demand source populations in Arizona. Prepared in cooperation with Rocky Mountain Forest and Range Experiment Station and USDA, Forest Service, under Agreement Number 16-265-CA and 16-307-CT and the McIntire-Stennis Forestry Research Project, ARZT-2016-4168-014, April 1977. illus. 75 p. (RM)
- 0706 Rinehart, Robert P., Colin C. Hardy, and H. G. Rosenau. 1978: Measuring trail conditions with stereo photography. Jour. of For., 76(8): 501-503. (INT)
- 0707 Ripley, Thomas H. and McGinnes, Burd S. 1961. Hunting and fishing recreation on Virginia's National Forests. Virginia Wildlife 22(10): 4-5. (SE)
- 0708 Ripley, Thomas H. 1962. Tree and shrub response to recreation use. USDA Forest Serv. Southeastern Forest Exp. Sta. Res. Note 171, 2 pp. (SE)
- 0709 Ripley, Thomas H. 1962. Recreation impact on southern Appalachian campgrounds and picnic sites. USDA Forest Serv. Southeastern Forest Exp. Sta. Pap. 153, 20 pp., illus. (SE)
- 0710 Ripley, Thomas H. 1966. Rehabilitation of forest recreation sites. Soc. Amer. Forest. Proc., 1966. Detroit, Mich., pp. 35-36. (SE)
- 0711 Roggenbuck, J. W. 1981. Wilderness user preferences-eastern and western areas. In: Proceedings of the wilderness management symposium; 1980 November 11-13; Knoxville, TN. Knoxville, TN: University of Tennessee. 103-146. (RM)
- 0712 Roggenbuck, J. W., Berrier, D. L. 1981. Communications to disperse wilderness campers. J. For. 79: 295-297. (SE)
- 0713 Roggenbuck, Joseph W.; Berrier, Deborah L. A comparison of the effectiveness of two communication strategies in dispersing wilderness campers. J. Leisure Res. 14(1): 77-89. (NC)
- 0714 Roggenbuck, Joseph W.; Hammitt, William E.; Berrier, Deborah L. 1982. The role of interpretation in managing for recreational carrying capacity. J. Interpr. 7(1): 7-20; 1982. (NC)
- 0715 Roggenbuck, Joseph W.; Smith, Alan C.; Wellman, J. Douglas. 1982. Canoeists' perceptions of problem behaviors on Virginia rivers. J. Soil and Water Conserv. 37(2): 122-126; 1982. (NC)

- 0716 Rosenthal, Donald H., B. L. Driver, and Donna Rauhauser. 1980. Skiing environments preferred by Colorado ski-tourers. In Proceedings, North American Symposium on Dispersed Winter Recreation, Feb. 27-29, 1980. Univ. of Minn., St. Paul, MN. (RM)
- 0717 Ross, Terence L., and George H. Moeller. 1974. Communicating rules in recreation areas. USDA For. Serv. Res. Pap., NE-297. 11 p., illus. (NE)
- 0718 Rowntree, R. A., and J. F. Orr. 1979. The American National Park System: a review. In the Canadian National Parks: Today and Tomorrow, Conference II: Ten Years Later. J. G. Nelson, R. D. Needham, S. H. Nerlson and R. C. Space (eds.). Univ. of Waterloo, Ontario, Canada. Vol. 1. 373-410. (NE)
- 0719 Rupe, Mary Lynn, R. E. Leonard, and J. J. Lindsay. 1979. Hikers' views of backcountry management. Univ. of Vermont Res., Rep. SNR-RM6. Univ. of Vermont Recreation Dept., Burlington, VT. 18 p. (NE)
- 0720 Saunders, Paul Richard. 1979. Inventory method tested: recreation data from a multiresource inventory. Parks and Recreation, 14(12): 56. (SE)
- 0721 Saunders, Paul Richard. 1979. Prediction of nondeveloped recreation sites in South Carolina using USDA Forest Service renewable resource evaluation data. In Forest Resource Inventories. W. E. Frayer (ed.). Colorado State Univ., Fort Collins, CO. Vol. I. 63-71. (SE)
- 0722 Saunders, P. R. 1980. Analysis of USDA Forest Service inventory data of the nondeveloped rural recreation resources in South Carolina: Northern Coastal Plain. Clemson Univ., Dep. Recreation and Park Admin. Res. Rep. 17. Clemson, SC. 103 p. (SE)
- 0723 Saunders, P. R. 1980. Analysis of USDA Forest Service inventory data of the nondeveloped rural recreation resources in South Carolina: Southern Coastal Plain. Clemson Univ., Dep. Recreation and Park Admin. Res. Rep. 18. Clemson, SC. 101 p. (SE)
- 0724 Schomaker, John H. 1978. Measurements of preferences for proposed landscape modifications. Landscape Research, 3(3): 5-9. (NC)
- 0725 Schomaker, John H.; Glassford, Thomas R. 1982. Backcountry as an alternative to wilderness? J. For. 80(6): 358-360, 364; 1982. (NC)
- 0726 Schomaker, John H.; Knopf, Richard C. 1982. Effect of question context on a recreation satisfaction measure. Leisure Sci. 5(1): 35-43; 1982. (NC)
- 0727 Schomaker, John H.; Knopf, Richard C. 1982. Generalizability of a measure of visitor satisfaction with outdoor recreation. Appl. Psychol. Meas. 6(2): 173-183; 1982. (NC)

- 0728 Schoolmaster, F. Andrew. 1980. Improving applied geographic research: Illustrations from recreation resource management. In: Henry, Norah F.; Frazier, John W., eds. Research in Contemporary and Applied Geography. Binghamton, NY: State University of New York at Binghamton. 4(3): 46-64. (NC)
- 0729 Schoolmaster, F. Andrew. 1981. The Madison River project: A case study in improving manager-research cooperation. In: Frazier, John W.; Epstein, Bart J., eds. Proceedings, Applied Geography Conferences; 1981 October 22-24; Tempe, AZ. Binghamton, NY: SUNY, Department of Geography; 1981; Vol. 4: 280-289. (NC)
- 0730 Schreuder, H. T., G. L. Tyre, and G. A. James. 1975. Instant and interval count sampling - Two new techniques for estimating recreation use. Forest Science, 1975. 21(1): 40-44, illus. (SE)
- 0731 Schreyer, Richard. 1977. Recreational use restrictions in wildlands--lessons from whitewater rivers. Western Wildlands, 4(2): 45-52. (NC)
- 0732 Schreyer, Richard. 1977. Satisfaction and user input to management. Utah Tourism and Recreation Review, 7(1): 1-7. (NC)
- 0733 Schreyer, Richard, Robert G. White, and Stephen F. McCool. 1978. The need for risk recreation: common attributes uncommonly exercised. Leisure Today, (April): 12-14. (NC)
- 0734 Schreyer, Richard; Jacob, Gerald R.; White, Robert G. 1981. Environmental meaning as a determinant of spatial behavior in recreation. In: Frazier, John W.; Epstein, Bart J., eds. Proceedings, Applied Geography Conferences; 1981 October 22-24; Tempe, AZ. Binghamton, NY: SUNY, Department of Geography; 1981; Vol. 4: 294-300. (NC)
- 0735 Schroeder, Herbert W., Daniel, Terry C. 1980. Predicting the scenic quality of forest road corridors. Environ. and Behav. 12(3): 349-366. (NC)
- 0736 Schroeder, Herbert W. 1981. The effect of perceived conflict on evaluations of natural resource management goals. J. Environ. Psychol. 1: 61-72. (NC)
- 0737 Schroeder, Herbert W., Daniel, Terry C. 1981. Progress in predicting the perceived scenic beauty of forest landscapes. For. Sci. 27(1): 71-80. (NC)
- 0738 Schroeder, Herbert W. 1982. Managing the esthetics of outdoor recreation sites: Some analogies with problems in retailing. J. Retailing 58(1): 22-33; 1982. (NC)
- 0739 Schwartz, Charles F., Edward C. Thor, and Gary H. Elsner. 1976. Wildland planning glossary. USDA For. Serv. Gen. Tech. Rep., PSW-13. 252 p. (PSW)
- 0740 Segall, Burton A. 1976. Impact of vacation homes on national forest water resources. Eisenhower Consortium Bulletin #3. illus. 19 p. (RM)

- 0741 Shafer, Elwood L., Jr. 1964. Forest Service research in outdoor recreation in the Northeast. The Outdoor Recreation Phenomenon - proceedings of a seminar at Cornell University, pp. 61-65. (NE)
- 0742 Shafer, Elwood L., Jr. 1964. The photo-choice method for recreation research. USDA Forest Serv. Res. Pap. NE-29, 10 pp., illus. (NE)
- 0743 Shafer, Elwood L., Jr. and Burke, Hubert D. 1965. Preferences for outdoor recreation facilities in four State parks. J. Forest. 63: 512-518, illus. (NE)
- 0744 Shafer, Elwood L., Jr. 1965. Socioeconomic characteristics of Adirondack campers. J. forest. 63: 690-694, illus. (NE)
- 0745 Shafer, Elwood L., Jr. 1967. Forest aesthetics--a focal point in multiple-use management and research. XIV. IUFRO-Kongress, Munchen 1967 Papers, VII, Section 26: 47-71, illus. (NE)
- 0746 Shafer, Elwood L., Jr., and Hamilton, John F., Jr. 1967. A comparison of four survey techniques used in outdoor recreation research. USDA Forest Serv. Northeast. Forest Exp. Sta., Upper Darby, Pa., Res. Pap. NE-86, 22 pp., illus. (NE)
- 0747 Shafer, Elwood L., Jr. 1968. Recent contributions of recreation research from related disciplines. Nat. Recreation and Park Assn., Cong. for Recreation and Parks Proc. 1967: 109-111. (NE)
- 0748 Shafer, Elwood L. 1968. The demand for water-oriented outdoor recreation. Parks & Recreation III(2): 22-25, 57 illus. (NE)
- 0749 Shafer, Elwood L. 1968. Recent recreation research--implications from the physical and biological sciences. Parks & Recreation III(5): 22-24, 51, 52, illus. (NE)
- 0750 Shafer, Elwood L., Jr., and Hamilton, John F., Jr. 1968. The demand for water-oriented outdoor recreation. Parks & Recreation III(2): 22-25, 57, illus. (NE)
- 0751 Shafer, Elwood L., Jr., and Thompson, Roger C. 1968. Models that describe use of Adirondack campgrounds. Forest Sci. 14(4): 383-391, illus. (NE)
- 0752 Shafer, Elwood L., Jr. 1969. The average camper who doesn't exist. USDA Forest Serv. Northeast. Forest Exp. Sta., Upper Darby, Pa., Res. Pap. NE-142, 27 pp., illus. (NE)
- 0753 Shafer, Elwood L., Jr. 1969. Natural Landscape preferences: A predictive model: a reply. J. Leisure Res. 1(2): 197-198. (NE)
- 0754 Shafer, Elwood L., Jr. 1969. Perception of natural environments. Environ. and Behav. 1(1): 71-82, illus. (NE)

- 0755 Shafer, Elwood L., Jr. 1969. Recreation demand from wharf to waterfall. *Parks & Recreation* 4(8): 18-20, 56, 57, illus. (NE)
- 0756 Shafer, Elwood L., Jr. and Rutherford, William, Jr. 1969. Selection cuts increased natural beauty in two Adirondack forest stands. *J. Forestry* 67(6): 415-419, illus. (NE)
- 0757 Shafer, Elwood L., Jr., Hamilton, John E., Jr., and Schmidt, Elizabeth A. 1969. Natural landscape preferences: A predictive model. *J. Leisure Res.* 1(1): 1-19, illus. (NE)
- 0758 Shafer, Elwood L., Jr., and Mietz, James. 1969. Aesthetic and emotional experiences rate high with northeast wilderness hikers. *Environ. and Behav.* 1(2): 187-197, illus. (NE)
- 0759 Shafer, Elwood L., Jr. 1970. The name of the game is recreation research. A systems-analysis approach to solving outdoor-recreation problems. *Environ. Educ.* 2(1): 30-34, illus. (NE)
- 0760 Shafer, Elwood L., Jr. and James Mietz. 1970. It seems possible to quantify scenic beauty in photographs. *USDA Forest Serv. Res. Pap.* NE-162, 12 p., illus. Northeastern Forest Exp. Sta., Upper Darby, Pa. (NE)
- 0761 Shafer, E. L. 1971. Surveys in recreation research. 1971 Forest. Conf. Proc., Commonwealth Pa., Dep. Environ. Resour., Bur. Forest., 28-32. (NE)
- 0762 Shafer, Elwood L., Jr., and George Moeller. 1971. Predicting quantitative and qualitative values of recreation participation. In *Recreation Symp. Proc.*, Syracuse, N.Y., Oct. 12-14, 1971: 5-22, illus. USDA Forest Serv. Northeastern Forest Exp. Sta., Upper Darby, Pa. (NE)
- 0763 Shafer, Elwood L., Jr., and Rita M. Rammrath. 1971. Outdoor recreation use. *Trends in Parks & Rec.* 8(4): 22-25, illus. (NE)
- 0764 Shafer, Elwood L., Jr., Paul H. Amidon, and C. W. Severinghaus. 1972. A comparison of violators and nonviolators of New York's deer-hunting laws. *J. Wildlife Manage.* 36(3): 933-939, illus. (NE)
- 0765 Shafer, Elwood L., and Michael Tooby. 1973. Landscape preferences: An international replication. *J. Leisure Res.* 5(3): 60-65, illus. (NE)
- 0766 Shafer, Elwood L., Jr., and George H. Moeller. 1974. Through the looking glass...in environmental management. *Parks & Recreation* IX(2): 20-23, 48-49, illus. (NE)
-
- 0767 Shafer, Elwood L., and George H. Moeller. 1974. Wildlife priorities and benefits: Now, 2000 and beyond. *Transactions of the Thirty-Ninth North American Wildlife and Natural Resources Conference*, March 31-April 1-3, 1974. 208-215. (NE)

- 0768 Shafer, Elwood L., George H. Moeller, and Russell E. Getty. 1974. Future leisure environments. USDA For. Serv. Res. Pap., NE-301. 68-72, illus. (NE)
- 0769 Shafer, Elwood L., George H. Moeller, Douglas A. Morrison, and Russell E. Getty. 1974. Recreation, resources, and right decisions. USDA For. Serv. Res. Pap., NE-293. 1-16, illus. (NE)
- 0770 Shafer, Elwood L., and Thomas A. Richards. 1974. A comparison of viewer reactions to outdoor scenes and photographs of those scenes. USDA For. Serv. Res. Pap., NE-302. 1-26, illus. (NE)
- 0771 Shafer, Elwood L. 1975. Impact of human needs on the natural environments for recreation. Pinchot Institute for Environmental Forestry Research. Indicators of Changes in the Recreation Environment--A National Research Symposium, Penn State HPER Series No. 6. 328-344. (NE)
- 0772 Shafer, Elwood L. 1976. Today's decisions and tomorrow's leisure environment. Parks & Recreation. 11(6), June 1976, 4 p. illus. (NE)
- 0773 Shafer, Elwood L., and Robert O. Brush. 1977. How to measure preferences for photographs of natural landscapes. In Landscape Planning, 4(1977). Elsevier Scientific Publishing Company, Amsterdam. Printed in the Netherlands. 237-256. (W0)
- 0774 Shafer, Elwood L. 1979. A review of Forest Service recreation research results. In Proceedings of the First Conference on Scientific Research in the National Parks, Nov. 9-12, 1976. New Orleans, LA. Robert M. Linn, (ed.). Vol. II. 1021-2. (S0)
- 0775 Shafer, Elwood L., and Robert C. Lucas. 1979. Research needs and priorities for dispersed recreation management. Jour. of Leisure Res., 10(4): 311-320. (INT)
- 0776 Shafer, Elwood L., and George H. Moeller. 1979. Urban Forestry: its scope and complexity. Journal of Arboriculture, 5(9): 206-209. (W0)
- 0777 Shechter, Mordechai. 1975. Simulation model of wilderness area use: Model-user's manual and program documentation. Resources for the Future Inc., Washington, D.C. 496 p. Available. National Technical Information Service, Springfield, Virginia. (NE)
- 0778 Shechter, Mordechai, and Robert C. Lucas. 1978. Simulation of recreational use for park and wilderness management. Johns Hopkins Univ. Press, Baltimore, MD. 220 p. (INT)
- 0779 Shechter, Mordechai, Lucas, Robert C. 1980. A park visitor travel simulation model as a management tool. In: Hawkins, Donald E.,; Schafer, Elwood L.; Ravelstad, James M., eds. Tourism marketing and management issues. Washington, D.C.: George Washington University. 379-390. (INT)

- 0780 Shechter, Mordechai, Lucas, Robert C. 1981. Validating a large scale simulation model of wilderness recreational travel. Interfaces 10(5): 11-18. (INT)
- 0781 Shelby, Bo. 1981. Politics and research utilization: a case study of river research in Grand Canyon. In: Some recent products of river recreation research. Gen. Tech. Rep. NC-63. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station. 45--51. (NC)
- 0782 Shelby, Bo; Danley, Mark S.; Gibbs, Kenneth C.; Petersen, Margaret E. 1982. Preferences of backpackers and river runners for allocation techniques. J. For. 80(7): 416-419; 1982. (INT)
- 0783 Shiner, James W., and Elwood L. Shafer. 1975. How long do people look at and listen to forest-oriented exhibits. USDA For. Serv. Res. Pap., NE-325. 1-16, illus. (NE)
- 0784 Slaughter, Charles W. 1976. Vehicle for the future. Reproduced from: Surface Protection Seminar Proceedings, U.S. Department of the Interior, Bureau of Land Management, and Alaska State Office, 1976. Purchased by the Forest Service, U.S. Department of Agriculture for official use. 274-279. (WO)
- 0785 Smardon, Richard G. 1977. Research strategy for assessing visual impact from management and land development activities on wild and scenic rivers. Presented at the Scenic Rivers Symposium, June 17-18, 1977, Louisiana State University, Baton Rouge, Louisiana. 79-85. (PSW)
- 0786 Smardon, Richard C. 1979. The interface of legal and esthetic considerations. In Proceedings, Our National Landscape: a conference on applied techniques for analysis and management of the visual resource, Apr. 23-25, 1979. Incline Village, NV. USDA For. Serv. Gen. Tech. Rep., PSW-35. 676-685. (PSW)
- 0787 Smardon, Richard C., Gary H. Elsner, and George C. Coombes. 1979. Conference orientation for our national landscape: an experiment in creative conference programming. In Proceedings, Our National Landscape: a conference on applied techniques for analysis and management of the visual resource, Apr. 23-25, 1979. Incline Village, NV. USDA For. Serv. Gen. Tech. Rep., PSW-35. 4-5. (PSW)
- 0788 Snyder, A. P.; George, J. L. 1981. Wildlife-related activities and attitudes of Pennsylvanians. Transactions, 46th North American wildlife and natural resources conference; 1981 March 21-25; Washington, D.C.; Wildlife Management Institute; 1981: 455-462. (NE)
- 0789 Southeastern Forest Experiment Station. 1975. Proceedings of the Southern States recreation application workshop, Asheville, North Carolina, September 15-18, 1975. USDA, For. Serv. Gen. Tech. Rep., SE-9. illus. 302 p. (SE)

- 0790 Spencer, Edward L., Sara H. Surgenor and Raymond E. Leonard. 1976. Backcountry research: the mahoosuc Laboratory. Reprinted from: Appalachia No. 2, June 1976. illus. 101-108. (NE)
- 0791 Spencer, Edward L., H. E. Eichelberger, Raymond E. Leonard, and Craig Evans. 1980. Trends in hiking and backcountry use. In Proceedings, 1980 National Outdoor Recreation Trends Symposium. USDA For. Serv. Gen. Tech. Rep., NE-57. Vol. 1. 195-198. (NE)
- 0792 Standley, Stacy and Wilbur F. LaPage. 1979. Skiers: past, present and potential. In Ski Area Management, (Winter): 24-30. (NE)
- 0793 Stankey, G. H. 1971. Myths in wilderness decision-making. J. Soil and Water Conserv. 26: 183-188, illus. (INT)
- 0794 Stankey, G. H. 1971. Wilderness: Carrying capacity and quality. Natur. Twenty-Two(3): 7-13, illus. (INT)
- 0795 Stankey, George H. 1972. A strategy for the definition and management of wilderness quality. 88-114, illus. In Natural Environments--Studies in theoretical and Applied Analysis. Ed. by John V. Krutilla. Publ. for Resource for the Future, Inc. Baltimore and London: Johns Hopkins Univ. Press (INT)
- 0796 Stankey, George H. 1973. Visitor perception of wilderness recreation carrying capacity. USDA Forest Serv. Res. Pap. INT-142, 61 p., illus. Intermountain Forest and Range Exp. Sta., Ogden, Utah (INT)
- 0797 Stankey, George H., Robert C. Lucas and Robert R. Ream. 1973. Relationships between hunting success and status. Trans. Thirty-Eighth, A. Amer. Wildlife. Natur. Resour. Conf. March 18-21, 1973. 235-242 (INT)
- 0798 Stankey, George H., and David W. Lime. 1973. Recreational carrying capacity: An annotated bibliography. USDA Forest Serv. Gen. Tech. Rep. INT-3, 45 p. (INT and NC)
- 0799 Stankey, George H., John C. Hendee, and Roger H. Clark. 1975. Applied social research can improve participation in resource decisionmaking. Rural Sociology. 40(1): 67-74. (INT)
- 0800 Stankey, George H. 1974. Criteria for the determination of recreation carrying capacity in the Colorado River Basin. In: Environmental Management in the Colorado River Basin. Ed. by A. Berry Crawford and Dean F. Peterson. Published by Utah State University Press, Logan, Utah. 83-101. (INT)
- 0801 Stankey, George H. 1976. Wilderness fire policy: an investigation of visitor knowledge and beliefs. USDA For. Serv. Res. Pap., INT-180. 17 p. (INT)

- 0802 Stankey, George H. 1976. Forest management policy: its evolution and response to changing public values. *The American Environment: Perceptions and Policies*. J. Wreford Watson & Timothy O'Riordan, (eds.). John Wiley & Sons, London. 241-258. (INT)
- 0803 Stankey, George H. 1977. Recreational geography: its evolution and application to problems of wilderness management. In *Applications of Geographic Research*. Harold A. and Marjorie K. Winters, (eds.). Dept. of Geography. Michigan State Univ., East Lansing, MI. 75-87. (INT)
- 0804 Stankey, George H. 1977. Rationing river recreation use. In *Proceedings, River Recreation Management & Research Symposium*. USDA For. Serv. Gen. Tech. Rep., NC-28. 397-401. (INT)
- 0805 Stankey, George H. 1977. Some social concepts for outdoor recreation planning. Reprinted from: *Outdoor Recreation Advances in Application of Economics (Proceedings of a National Symposium)*. USDA For. Serv. Gen. Tech. Rep., WO-2. 154-161. (INT)
- 0806 Stankey, George H., and John Baden. 1977. Rationing wilderness use: methods, problems and guidelines. USDA For. Serv. Res. Pap., INT-192. 20 p. (INT)
- 0807 Stankey, George H. 1979. Use rationing in two southern California wildernesses. *Journal of Forestry*, 77(5): 347-349. (INT)
- 0808 Stankey, George H. 1979. A framework for social-behavioral research--Applied issues. In *Long Distance Trails: The Appalachian Trail as a Guide to Future Research and Management Needs*. William R. Burch, Jr. (ed.). School of For. and Environ. Studies, Yale Univ., New Haven, CT. 43-53. (INT)
- 0809 Stankey, George H. 1980. A comparison of carrying capacity perceptions among visitors to two wildernesses. USDA For. Serv. Res. Pap., INT-242. 34 p. (INT)
- 0810 Stankey, George H. 1980. Wilderness carrying capacity: management and research progress in the United States. *Landscape Research* 5(3): 6-11. (INT)
- 0811 Stankey, George H. 1980. Environmental preservation: a symbol of responsibility. *Habitat Australia* 8(5): 22-24. (INT)
- 0812 Stankey, George H. 1980. Integrating wildland recreation research into decision making: pitfalls and promises. In: *Symposium proceedings: applied research for parks and recreation in the 1980's*; 1980 March 22; Victoria, BC. Victoria, BC: University of Victoria. 43-56. (INT)

- 0813 Stankey, George H. 1980. What have we learned: a symposium summary. In Dispersed Recreation and Natural Resource Management--a symposium. Joan Shaw (ed.). College of Natural Resource, Utah State Univ., Logan, UT. 88-91. (INT)
- 0814 Stankey, G. H. 1980. Some observations on the future of wilderness in Australia in planning, research and education. In: Robertson, R. W.; Helman, P.; Davey, A., eds. Wilderness management in Australia: Proceedings of a symposium; 1978 July 19-23; Canberra, Australia. Canberra, Australia: Canberra College of Advanced Education; 1980: 323-332. (INT)
- 0815 Stankey, G. H. 1980. The application of the carrying capacity concept to wilderness and other low-density recreation areas. In: Robertson, R. W.; Helman, P.; Davey, A., eds. Wilderness management in Australia: Proceedings of a symposium; 1978 July 19-23; Canberra, Australia. Canberra, Australia: Canberra College of Advanced Education; 1980: 150-177. (INT)
- 0816 Stankey, G. H. 1980. Wilderness concepts and management: An international perspective. In: Robertson, R. W.; Helman, P.; Davey, A., eds. Wilderness management in Australia: Proceedings of a symposium; 1978 July 19-23; Canberra, Australia. Canberra, Australia: Canberra College of Advanced Education; 1980: 1-34. (INT)
- 0817 Stankey, George H. 1982. Recreational carrying capacity research review. Ont. Geogr. 19: 57-72; 1982. (INT)
- 0818 Streeby, Larry L, and Twiss, Robert H. 1966. Research and forest recreation. The Ames Forester 53: 12-13, 61. (PSW)
- 0819 Streeby, Larry L. 1970. Scenic management impact on other forest activities. J. Forest. 68. 430-432, illus. (PSW)
- 0820 Sublette, Werner J., and William E. Martin. 1975. Outdoor recreation in the Salt-Verde Basin of Central Arizona: Demand and value. Technical Bulletin No. 218. Agricultural Experiment Station, Univ. of Arizona. 1-41. illus. (PNW)
- 0821 Swain, Albert M. 1980. Landscape patterns and forest history in the boundary waters canoe area, Minnesota: a pollen study from Hug Lake. Ecology 61(4): 747-754. (NC)
- 0822 Taves, Marvin, Hathaway, William, and Bultena, Gordon. 1960. Canoe country vacationers. Univ. Minn. Agr. Exp. Sta. Misc. Rep. 39 (NC)
- 0823 Taves, Marvin, and Morgan, James. 1960. Canoe country camping--Who? Where? Why? Minn. Farm and Home Sci. 17(3): 3, 20, illus. (NC)
- 0824 Teeguarden, D.E., and Werner, K. R. 1968. Integrating forest-oriented recreation with timber growing--a case study of economic factors. Cal. Agr. 22(10): 10-12, illus. (PSW)

- 0825 Thomas, Jack W., and Pack, James C. 1969. Joe typical: profile of a hunter. *Outdoor W. Va.* 32: 19-20, illus. (NE)
- 0826 Thomas, Jack Ward, James C. Pack, William M. Healy, John D. Gill, and H. R. Sanderson. 1973. Territoriality among hunters--the policy implications. *Trans. Thirty-Eighth N. Amer. Wildlife and Natur. Resur. Conf.*, March 18-21, 1973: 274-280, illus. (NE)
- 0827 Thor, Edward C., Gary H. Elsner, Michael R. Travis, and Kathleen M. O'Loughlin. 1978. Forest environmental impact analysis--a new approach. *J. of For.* 76(11): 723-725. (PSW)
- 0828 Thor, Edward C., and James L. Creighton. 1978. Mystic Mountain: an educational alternative futures wildland planning game. *USDA For. Serv. Gen. Tech. Rep.*, PSW-30. 13 p. (PSW)
- 0829 Tinsley, Howard E. A.; Kass, Richard A.; Driver, B. L. 1981. Reliability and concurrent validity of the recreation experience preference scales. *Educ. and Psychol. Meas.* 41(3): 897-907; 1981. (RM)
- 0830 Tocher, S. Ross, Wagar, J. Alan, and Hunt, John D. 1965. Sound management prevents worn out recreation sites. *Parks and Recreation* 48(3): 151-153. (INT)
- 0831 Tombaugh, Larry W., and Love, L. D. 1964. Estimating number of visitors to National Forest campgrounds. *USDA Forest Serv. Res. Note* RM-17, 4 pp. (RM)
- 0832 Tombaugh, Larry W., and Robert M. Collette. 1969. Economics of outdoor recreation on southern commercial timberlands: A bibliography. *Sch. Forest.*, N. C. State Univ., Raleigh, N.C., *Tech. Rep. No.* 39: 22 p. (SE)
- 0833 Tombaugh, Larry W. 1970. Factors influencing vacation home locations. *J. Leisure Res.* 2: 54-63. (NC)
- 0834 Tombaugh, Larry W. 1971. External benefits of natural environments. In *Recreation Symp. Proc.*, Syracuse, N.Y., Oct. 12-14, 1971: 73-77. *USDA Forest Serv. Southeastern Forest Exp. Sta.*, Asheville, N.C. (SE)
- 0835 Travis, Michael, Gary Elsner, and Peter Kourtz. 1973. A computer software package to convert digitized geographic boundary and contour data to a uniform grid structure. *Forest Fire Res. Inst.*, Ottawa, Ontario, *Inform. Rep.* FF-X-44, Nov. 1973: 1-10, illus. (PSW)
- 0836 Travis, Michael R., Gary H. Elsner, Wayne D. Iverson, and Christine G. Johnson. 1975. VIEWIT: Computation of seen areas, slope, and aspect for land use planning. *USDA For. Serv. Gen. Tech. Rep.* PSW-11. 70 p. (PSW)
- 0837 Travis, Michael. 1979. Geographical display techniques for public land planning. In *Proceedings, Multiple Objective Planning Workshop*, Feb. 27-Mar. 1, 1979, Tucson, AZ. *Univ. of Ariz., Coll. Agric. Misc. Rep.* 7. 113-120. (PSW)

- 0838 Twiss, Robert H. 1963. Information and outdoor recreation research. USDA Forest Serv. Res. Note PSW-3, 8 pp. (PSW)
- 0839 Twiss, Robert H. 1963. An interdisciplinary approach to outdoor recreation research. J. Forest. 61(8): 580-582. (PSW)
- 0840 Twiss, Robert H. and Camp, Harry W. 1963. Forest recreation research at the Pacific Southwest Forest and Range Experiment Station. USDA Forest Serv. Res. Note PSW-12, 7 pp. (PSW)
- 0841 Twiss, Robert H. 1965. Regional landscape design: An approach to research and education. Nat. Conf. Instr. Landscape Architect. Proc. July 2-3, 1965, Harvard Univ. 1: 17-24. (PSW)
- 0842 Twiss, Robert H. 1965. Research on the environment of travel. Western Council. for Travel Res. Proc., Seventh Annu. Meeting. Vancouver, B. C. August 4-6, pp. 101-108. (PSW)
- 0843 Twiss, Robert H. 1966. Science and the regional landscape. 16th Alaskan Sci. Conf. Proc. 1965: 284-295. (PSW)
- 0844 Twiss, Robert H. and Litton, R. Burton. 1966. Resource use in the regional Landscape. Natural Resources J. 6(1): 76-81. (PSW)
- 0845 Twiss, Robert H. 1967. Recreationists as decision makers. 57th West. Forest. and Cons. Ass. Proc. Dec. 7-9, 1966, pp. 42-46. (PSW)
- 0846 Twiss, Robert H. and Litton, R. Burton. 1967. Research on forest environmental design. Soc. Amer. Forest. Proc. Sept. 12-15, 1966, Seattle, Wash., pp. 209-210. (PSW)
- 0847 Twiss, Robert H. 1969. Conflicts in forest landscape management--the need for forest environmental design. J. Forest. 67(1): 19-23. (PSW)
- 0848 Twiss, Robert H., Streatfield, David, Kojan, Eugene, and Magill, Arthur W. 1969. Nicasio. .hidden valley in transition. San Rafael: Marin Co. Planning Dep. 50 pp., illus. (PSW)
- 0849 Twiss, Robert H. 1970. Supply of outdoor recreation. In Elements of Outdoor Recreation Planning. B. L. Driver (ed.). Sch. Natur. Resour., Univ. Mich., Ann Arbor. 137-143. (PSW)
- 0850 Tyre, Gary L. 1971. Use trends indicated by statistically calibrated recreational sites in the National Forest System. USDA Forest Serv. Res. Note SE-168, 4 p. Southeastern Forest Exp. Sta., Asheville, N.C. (SE)
- 0851 Tyre, Gary L. and George A. James. 1971. Length and rate of individual participation in various activities on recreation sites and and areas. USDA Forest Serv. Res. Note SE-161, 4 p. Southeastern Forest Exp. Sta., Asheville, N.C. (SE)

- 0852 Tyre, Gary L. 1972. The implications of cost-benefit analysis in recreation systems management. (Ph.D. Dissertation) (May be purchased from Univ. Michigan films, Univ. Mich., Ann Arbor, Mich., 48104) 137 p. (SE)
- 0853 Tyre, Gary L., and Gene R. Welch. 1972. Program manual for estimating use related statistics on developed recreation sites. USDA Forest Serv. Gen. Tech. Rep. SE-1, 44 p. Southeastern Forest Exp. Sta., Asheville, N.C. (SE)
- 0854 Tyre, Gary L. 1975. Average costs of recreation on National Forests in the South. Journal of Leisure Research, 7:114-120, illus. (SE)
- 0855 Tyre, Gary L. and Chrystos D. Siderelis. 1979. Instant-count sampling: a technique for estimating recreation use in municipal settings. Leisure Science, 2(2): 173-179. (SE)
- 0856 U.S. Department of Interior. 1974. Proceedings of the Outdoor Recreation Research Needs Workshop. Sponsored by Bureau of Outdoor Recreation, U.S. Department of Interior, with cooperation of Forest Service, U.S. Department of Agriculture, and National Park Service, U.S. Department of Interior. At the Mather Training Center, Harpers Ferry, West Virginia, September 4-6. 110 p.
- 0856a USDA Forest Service. 1977. Outdoor Recreation Advances in Application of Economics (Proceedings of a National Symposium). Compilers: J. M. Hughes and R. D. Lloyd. USDA Forest Serv., Gen. Tech. Rep. WO-2, 163 p. (WO)
- 0857 USDA Forest Service. 1978. Skier market growth potential. Northeastern For. Exp. Stn. Information Leaflet, Durham Work Unit, Durham, NH. 6 p. (NE)
- 0858 USDA Forest Service. 1979. Recreational impact on wildlands conference proceedings., Oct. 27-29, 1978, Seattle, Washington. Ruth Ittner (ed.). Pub. #R-6-001. USDA Forest Service, Pacific Northwest Region, Portland, Oregon (PNW)
- 0858a USDA Forest Service. 1980. Proceedings 1980 National Outdoor Recreation Trends Symposium; Volume I. Northeast For. Exp. Sta., Gen. Tech. Rep. NE-57, 249 p. (NE)
- 0858b USDA Forest Service. 1980. Proceedings 1980 National Outdoor Recreation Trends Symposium; Volume II. Northeast For. Exp. Sta., Gen. Tech. Rep. NE-57, 223 p. (NE)
- 0858c USDA Forest Service. 1980. Proceedings 1980 National Outdoor Recreation Trends Symposium; Appendix. Clemson Univ., Dept. of Rec. and Park Admin., Extension Res. Pap. RPA 1980-5, 97 p. (NE)
- 0858d USDA Forest Service. 1979. Growth Potential of the Skier Market in the National Forests. USDA Forest Serv. Res. Pap. WO-36, 31 p., illus. (WO)
- 0859 Wagar, J. Alan. 1962. The convection stack--A device for ridding pit toilets of bad odor. USDA Forest Serv. Northeast. Forest Exp. Sta. Forest Res. Note No. 133, 6 pp., illus (NE)

- 0860 Wagar, J. Alan. 1963. What people want in forest recreation: Results from a questionnaire study on the Stuart recreation area near Elkins. West Virginia: 9-12, illus. (NE)
- 0861 Wagar, J. Alan. 1963. Convection stacks--How they rid pit toilets of odors. Parks and Recreation 46(9): 330-331, illus. (NE)
- 0862 Wagar, J. Alan. 1963. Relationships between visitor characteristics and recreation activities on two National Forest areas. USDA Forest Serv. Res. Pap. NE-7, 19 pp., illus. (NE)
- 0863 Wagar, J. Alan. 1963. What people want in forest recreation: Results from a questionnaire study on the Twin Lakes recreation area near Kane. Penn. Forests 53(1): 6-7, illus. (NE)
- 0864 Wagar, J. Alan. 1963. Campgrounds for many tastes. USDA Forest Serv. Res. Pap. INT-6, 10 pp., illus. (INT)
- 0865 Wagar, J. Alan. 1964. Estimating numbers of campers on unsupervised campgrounds. USDA Forest Serv. Res. Pap. NE-18, 16 pp., illus. (NE)
- 0866 Wagar, J. Alan. 1964. The carrying capacity of wildlands for recreation. For. Sci. Monogr. 7, 24 pp., illus. (NE)
- 0867 Wagar, J. Alan. 1965. Cultural treatment of vegetation on recreation sites. Soc. Amer. Forest. Proc., Detroit, Mich. (INT)
- 0868 Wagar, J. Alan. 1965. Management of multiple-use resources for recreation. pp. 9-19, In New Horizons for Resources Research, Issues and Methodology. Boulder: Univ. Colo. Press. (INT)
- 0869 Wagar, J. Alan. 1966. Quality in outdoor recreation. Trends in Parks and Recreation 3(3): 9-12. (NE)
- 0870 Wagar, J. Alan. 1967. Simulated trampling as a technique in recreation research. XIV. IUFRO-Kongress, Munchen 1967 Papers, VII, Section 26: 239-245, illus. (INT)
- 0871 Wagar, J. Alan, and Thalheimer, Joel F. 1968. Computer programs for weighting length-of-stay and other visitor characteristics. USDA Forest Serv. Intermountain Forest and Range Exp. Sta., Ogden, Utah, Res. Note INT-79, 12 pp., illus. (INT)
- 0872 Wagar, J. Alan. 1969. Estimation of visitor use from self-registration at developed recreation sites. USDA Forest Serv. Res. Pap. INT-70, 27 p., illus. Intermountain Forest and Range Exp. Sta., Ogden, Utah. (INT)
- 0873 Wagar, J. Alan, and Joel F. Thalheimer. 1969. Trial results of net count procedures for estimating visitor use at developed recreation sites. USDA Forest Serv. Res. Note INT-105, 8 p., illus. Intermountain Forest and Range Exp. Sta., Ogden, Utah. (INT)

- 0874 Wagar, J. Alan. 1969. Nonconsumptive uses of the coniferous forest, with special relation to consumptive uses. Coniferous Forests of the Northern Rocky Mountains. Mont. Univ. Found. 1968 Symp. Proc. 1969: 255-270, illus. (PNW)
- 0875 Wagar, J. Alan. 1970. Growth versus the quality of life. Our widespread acceptance of unlimited growth is not suited to survival on a finite planet. Sci. 168: 1179-1184. (PNW)
- 0876 Wagar, J. Alan. 1970. The challenge of environmental education. Today's Educ. 59(9): 15-18. (PNW)
- 0877 Wagar, J. Alan. 1971. Communicating with recreationists. In Recreation Symp. Proc., Syracuse, N.Y., Oct. 12-14, 1971: 161-165. USDA Forest Serv. Pacific Northwest Forest and Range Exp. Sta., Portland, Oreg. (PNW)
- 0878 Wagar, J. Alan. 1972. The recording quizboard: A device for evaluating interpretive services. USDA Forest Serv. Res. Pap. PNW-139, 12 p., illus. Pacific Northwest Forest and Range Exp. Sta., Portland, Oreg. (PNW)
- 0879 Wagar, J. Alan. 1973. Solving conflicts between outdoor recreation and environmental quality. In "Outdoor Recreation and Environmental Quality." Western Resour. Conf. Proc., Fort Collins, Colo., 1972: 175-179. (PNW)
- 0880 Wagar, J. Alan. 1974. Interpretation to increase benefits for recreationists. USDA For. Serv. Gen. Tech. Rep., NC-9. 101-106. (PNW)
- 0881 Wagar, J. Alan. 1974. Recreational carrying capacity reconsidered. J. For. 72: 274-278, illus. (PNW)
- 0882 Wagar, J. Alan. 1974. Recreational and esthetic considerations. Environmental effects of forest residues management in the Pacific Northwest: A state-of-knowledge compendium. USDA For. Serv. Gen. Tech. Rep., PNW-24. 1-15. (PNW)
- 0883 Wagar, J. Alan and William S. Folkman. 1974. The case for small group public participation in forest management decisions. J. of For. 405-407. (PNW)
- 0884 Wagar, J. Alan. 1975. Effectiveness in interpretation. Interpreter. 7(3): 6-11. (NE)
- 0885 Wagar, J. Alan. 1975. Recreation insights from Europe. Journal of Forestry. 73:353-357. (NE)
- 0886 Wagar, J. Alan. 1976. Achieving effectiveness in environmental interpretation. In Southern States Recreation Research Applications Workshop. USDA, For. Serv. Gen. Tech. Rep., SE-9. 90-104. (PSW)
- 0887 Wagar, J. Alan. 1976. Cassette tapes for interpretation. USDA, For. Serv. Res. Pap., PNW-207. illus. 20 p. (PSW)

- 0888 Wagar, J. Alan. 1976. Chapter 26 - research in interpretation. In Interpreting the Environment, Grant W. Sharpe (ed.). Published by John Wiley & Sons. New York. illus. 514-523. (PSW)
- 0889 Wagar, J. Alan, Gregory W. Lovelady and Harlan Falkin. 1976. Evaluating techniques for interpretation: study results from an exhibition on energy. USDA, For. Serv. Res. Pap., PNW-211,. (PSW)
- 0890 Wagar, J. Alan. Evaluating the effectiveness of Interpretation. Adapted from: Report on the Training Course on Interpretive Operations, Held by the Southeastern Region on the National Park Service, at Cape Hatteras Seashore, April 19-23, 1976. illus. 8 p. (PSW)
- 0891 Wagar, J. Alan. 1976. Land use planning. A view from Holland. J. of For. 74: 13-17, illus. (PNW)
- 0892 Wagar, J. Alan. 1976. The "adequacy" of world recreation resource. Forest and Future Resource Conflicts. Edited by William K. Ferrell. Dept. of Printing, Oregon State Univ., Corvallis, Oregon. 21-28. (PNW)
- 0893 Wagar, J. Alan. 1977. Resolving user conflicts. In Proceedings, Wildland Recreation Conference, Feb. 28-March 3, 1977. Banff, Canada. Univ. of Alberta Faculty of Extension, Edmonton, Canada. 133-145. (PSW)
- 0894 Wagar, J. Alan. 1977. Recreational carrying capacity. In Proceedings, Wildland Recreation Conference, Feb. 28-March 3, 1977. Banff, Canada. Univ. of Alberta Faculty of Extension, Edmonton, Canada. 168-175. (PSW)
- 0895 Wagar, J. Alan. 1977. The future of wildland recreation. In Proceedings, Wildland Recreation Conference, Feb. 28-March 3, 1977. Banff, Canada. Univ. of Alberta Faculty of Extension, Edmonton, Canada. 273--276. (PSW)
- 0896 Wagar, J. Alan. 1977. Wildland recreation and resource management. In Proceedings, Wildland Recreation Conference, Feb. 28-March 3, 1977. Banff, Canada. Univ. of Alberta Faculty of Extension, Edmonton, Canada. 11-21. (PSW)
- 0897 Wagar, J. Alan. 1978. Recreation insights from Europe. The Interpreter, 10(1): 21-24 (PSW)
- 0898 Wagar, J. Alan. 1978. Why Interpretation? Meeting the challenge. Journal of Interpretation, 3(1): 6-10. (PSW)
- 0899 Wagar, J. Alan. 1978. Environmental interpretation in urban settings. In Workshop Conference Proceedings, Assn. of Interpretive Naturalists and Western Interpreters. Derwood, MD. (PSW)
- 0900 Wagar, J. Alan. 1980. Effectiveness in interpretation: let OPEC be our guide. In Proceedings, CSPRA-WIA-PRAC Workshop-Convention, Mar. 7-9, 1980. Santa Cruz, CA. 42-48. (PSW)
- 0901 Wagar, J. Alan. 1981. Comment on "The right to risk in wilderness". J. Forestry. 79: 152-159. (PSW)

- 0902 Wagar, J. Alan. 1982. Research in interpretation. In: Sharpe, Grant W., ed. Interpreting the environment. 2nd ed. New York: John Wiley; 1982: 631-642. (PSW)
- 0903 Wagener, Willis W. 1963. Judging hazard from native trees in California recreational areas: A guide for professional foresters. USDA Forest Serv. Res. Pap. PSW-P1, 29 pp., illus. (PSW)
- 0904 Washburne, Randel F., and J. Alan Wagar. 1972. Evaluating visitor response to exhibit content. Curator XV(3): 248-254. (PNW)
- 0905 Washburne, Randel F. 1978. Black under-participation in wildland recreation: alternative explanations. Reprinted from: Leisure Sciences, 1(2): 175-189. (PNW)
- 0906 Washburne, Randel F. 1981. Carrying capacity assessment and recreational use in the national wilderness preservation system. J. Soil Water Conserv. 36(3): 162-166. (INT)
- 0907 Washburne, Randel, Wall, Paul. 1981. Black-white ethnic differences in outdoor recreation. Res. Pap. INT-249. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station. 13 p. (INT)
- 0908 Wayt, William A., Acton, Robert W., and Whittaker, James C. 1968. A look at commercial recreation on small woodlands in Ohio. USDA For. Serv. Res. Pap. NE-101, 11 pp., illus. (NE)
- 0909 Wellman, J. D.; Dawson, M. S.; Roggenbuck, J. W. 1982. Park managers' predictions of the motivations of visitors to two National Park Service areas. J. Leis. Res., First Quarter 1982: 1-15. (RM)
- 0910 Wendling, Robert C. 1979. An attitudinal comparison of resource managers and offroad motorcyclists in the Southwest. In Planning for trail bike recreation. USDI Heritage Cons. & Rec. Serv. & Motorcycle Industry Council, CPO, Wash., D.C. 78-81 (NC)
- 0911 Wendling, Robert C. 1980. Mail questionnaires: are they dependable? Parks and Recreation, March. 53-54. (NC)
- 0912 Wendling, Robert C. 1981. Black/white differences in outdoor recreation behavior: state-of-the-art and recommendations for management and research. In: Proceedings, 1980 Conference on Social Research in National Parks and Wildland Areas; 1980 March 21-22; Great Smokey Mountains National Park. Gatlinburg, TN: U.S. Department of the Interior, National Park Service, Southeast Regional Office. 106-117. (NC)
- 0913 Wenger, Wiley D., Jr. 1964. A test of unmanned registration stations on wilderness trails; factors influencing effectiveness. USDA Forest Serv. Res. Pap. PNW-16, 48 pp., illus. (PNW)
- 0914 Wenger, Wiley D., Jr. and Gregersen, H. M. 1964. The effect of nonresponse on representativeness of wilderness-trail register information. USDA Forest Serv. Res. Pap. PNW-17, 20 pp., illus. (PNW)

- 0915 Wenger, Wiley D., Jr. 1965. Wilderness recreation research in the Forest Service, Pt. 1. Fifth Bien. Conf. Northwest Wilderness Proc. 1964: 31-35. (PNW)
- 0916 West, Patrick C. 1979. Social carrying capacity as status group convention. Arlington, VA: Computer Microfilm International, Corp., 1979; ERIC Reports ED 180-953. ERIC Document Reproduction Service. 17 p. (NC)
- 0917 West, Patrick C. 1981. Conclusions and implications. In: West, Patrick C., ed. Vestiges of a cage: Social barriers to participation outdoor recreation by the physically and mentally handicapped. Monogr. 1. Vol. 1, Literature review and research needs. Ann Arbor, MI: University of Michigan, Natural Resource Sociology Lab; 1981: 117-119. (NC)
- 0918 West, Patrick C. 1981. Mentally ill. In: West, Patrick C., ed. Vestiges of a cage: Social barriers to participation in outdoor recreation by the physically and mentally handicapped. Monogr. 1. Vol. 1, Literature review and research needs. Ann Arbor, MI: University of Michigan, Natural Resource Sociology Lab; 1981: 76-115. (NC)
- 0919 West, Patrick C. 1981. On-site social survey and the determination of social carrying capacity in wildland recreation management. Res. Note NC-264. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station. 4 p. (NC)
- 0920 West, Patrick C. 1981. Perceived crowding and attitudes toward limiting use in backcountry recreation areas. Leisure Sci. 4(4): 419-425; 1981. (NC)
- 0921 West, Patrick C.; Higgenbottom, Lisa. 1981. Mentally retarded. In: West, Patrick C., ed. Vestiges of a cage: Social barriers to participation in outdoor recreation by the physically and mentally handicapped. Monogr. 1. Vol. 1, Literature review and research needs. Ann Arbor, MI: University of Michigan, Natural Resource Sociology Lab; 1981: 54-75. (NC)
- 0922 West, Patrick C. 1982. Effects of user behavior on the perception of crowding in backcountry forest recreation. For. Sci. 28(1): 95-105; 1982. (NC)
- 0923 Westover, Theresa N., Flickinger, Theodore B., Chubb, Michael. 1980. Crime and law enforcement. Parks and Rec. 15(8): 28-33. (NC)
- 0924 Wetzstein, Michael E., and Richard D. Green. 1978. Use of principal component attractiveness indexes in recreation demand functions. Western Journal of Agricultural Economics, 3(1): 11-21. (PSW)
- 0925 Whittaker, James C. 1966. Commercial outdoor recreation--An important use of Ohio's lakes and ponds. Ohio Woodlands, Conserv. in Action 6(2): 3. (NE)
- 0926 Whittaker, James C. 1968. Land leasing an aid to development of outdoor recreation enterprises in Indiana, Kentucky, and Ohio. USDA For. Serv. Res. Pap. NE-113, 12 pp., illus. (NE)

- 0927 Whittaker, James C. and Echelberger, H. E. 1968. New York section members' attitudes about forest recreation and associated research. N.Y. Sect., Soc. Amer. Foresters, N.Y. Forester, XXV(1&2): 48-50. (NE)
- 0928 Whittaker, James C., and Herbert E. Echelberger. 1971. Land for recreation: A look at leasing in New York. USDA Forest Serv. Res. Pap. NE-182, 8 p., illus. (NE)
- 0929 Williams, Daniel R.; Schreyer, Richard. 1981. Characterizing the person-environment interaction for recreation resource planning. In: Frazier, John W.; Epstein, Bart J., eds. Proceedings, Applied Geography Conferences; 1981 October 22-24; Tempe, AZ. Binghamton, NY: SUNY, Department of Geography; 1981, Vol. 4: 262-271. (NC)
- 0930 Williamson, Dennis N., Julius G. Fabos, Robert O. Brush, William P. MacConnell. 1978. TECHNICK--Seeing the forest as camouflage. Landscape Architecture, 68(1): 44 p. (NE)
- 0931 Williamson, Robert D. 1973. Bird-and people-neighborhoods. Natur. Hist. LXXXII(9): 55-57, illus. (NE)
- 0932 Zube, Ervin A., Hugh C. Davis, and Robert O. Brush. 1971. Landscape architectural research in environmental forestry: A research program for the Northeastern United States. Amer. Soc. Landscape Architects Found., 18 p., illus. (NE)

BIBLIOGRAPHY

SUBJECT CLASSIFICATION INDEX

I. MANAGEMENT OF AREAS AND FACILITIES (Page 82)

Publications found in this category address problems encountered by managers of wilderness/backcountry resources, and of some day-use and overnight facilities. There are also publications about economics, i.e., benefit-cost analysis, economic impacts, role of user fees, etc., but not about the economics of recreation enterprises.

- I-1. General
- I-2. Day-use
- I-3. Overnight-use
- I-4. Wilderness/Backcountry
- I-5. Economics
- I-6. Special Use Areas
- I-7. Trails
- I-8. Aquatic and Associated Land
- I-9. Marine and Coastal
- I-10. Service Areas

II. MANAGEMENT FOR RECREATION ACTIVITIES AND EXPERIENCES (Page 84)

This classification contains publications and articles about camping and the campground industry, about fishing and hunting, hiking and backpacking, snow and ice activities, about boating and river oriented activities, and the motivations behind these and other activities. Articles in this category also address the social aspects of outdoor recreation such as people and non-game wildlife, conflicts among recreationists, travel patterns, and management-user interactions.

- II-1. General
- II-2. Camping
- II-3. Hiking/Backpacking
- II-4. Hunting/Fishing
- II-5. ORV's
- II-6. Snow/Ice Activities
- II-7. Swim/Sub-Surface Activities
- II-8. Water Surface Activities
- II-9. People and non-game wildlife
- II-10. Aerial Activities
- II-11. Day-use Activities

III. MANAGEMENT AND USERS (Page 86)

Since most of the recreation research done in or sponsored by the Forest Service is carried out to enhance the recreation experience of users, this category has the most publications. Topics in it consist of assessing demand for outdoor recreation, including trends research and market surveys, monitoring levels of use--nationally, regionally, and on-site--user descriptions, preferences and benefits (including psychological benefits), visitor safety, administrative and decisionmaking articles, articles about information and interpretation, and articles and publications about depreciative behavior and law enforcement. Articles about recreational carrying capacity, both social and, to a lesser extent, physical, are also included, as are articles and publications about the Recreation Opportunity Spectrum.

- III-1. General
- III-2. Assessing Demand, Trends, Marketing & Market Surveys
- III-3. Assessing Use
- III-4. Depreciative Behavior/Enforcement
- III-5. Visitor Safety
- III-6. Information/Interpretation
- III-7. Administration--Decisionmaking
- III-8. User Descriptions, Preferences, Benefits
- III-9. Carrying Capacity
- III-10. Recreation Opportunity Spectrum

IV. RESOURCE PROTECTION AND REHABILITATION (Page 89)

Most research reported in this classification deals with physical or biological issues, although there is considerable attention paid to preferences and beauty. Nearly half of the citations in this category are classified under the subheading "Visual Resources"--how to cut, when to cut, what to cut, and where to cut--what to expect after the cut, and how to visualize what an area will look like after it is cut. Other articles deal with the impact of recreationists on vegetation, soil, wildlife and aquatic resources, and with site rehabilitation.

- IV-1. General
- IV-2. User Impacts
- IV-3. Site Rehabilitation
- IV-4. Geologic/Soil/Mineral Resources
- IV-5. Vegetation Resources
- IV-6. Wildlife/Fishery Resources
- IV-7. Aquatic and Associated Land Resources
- IV-8. Backcountry and Wilderness Resources
- IV-9. Visual Resources
- IV-10. Special Use/Special Designated Areas
- IV-11. Resource Protection
- IV-12. Marine and Coastal Resources
- IV-13. Cultural Resources

V. MANAGEMENT PLANNING AND RESEARCH (Page 91)

This classification contains articles and publications that deal with those issues planners and managers of recreation areas and facilities face; issues such as impact analyses, policy questions, public involvement, and planning for dispersed or developed recreation opportunities. It also contains numerous and some important breakthroughs in recreation research methodology and research needs. Finally, it contains articles and publications about management and the economics of commercial recreation enterprises.

- V-1. General, education and curriculums
- V-2. Management Planning
- V-3. Management Plans
- V-4. Public Involvement and Legal Concerns
- V-5. Research
- V-6. Economics of Recreation Enterprises

VI. SOURCE DOCUMENTS (Page 93)

The last category is a list of major publications that are conference or symposium proceedings, other bibliographies, and texts or books that the Forest Service authors have written or edited.

- VI-1. Conference and Symposium Proceedings
- VI-2. Research Literature (Bibliographies)
- VI-3. Books

BIBLIOGRAPHY
CITATION CLASSIFICATION

I. MANAGEMENT OF AREAS AND FACILITIES

I-1. General

| | |
|------|------|
| 0011 | 0624 |
| 0327 | 0645 |
| 0335 | 0868 |
| 0602 | |

I-2. Day-use

0059
0372
0430
0594

I-3. Overnight use

I-4. Wilderness/Backcountry

| | | | |
|------|------|------|------|
| 0061 | 0287 | 0520 | 0711 |
| 0067 | 0290 | 0527 | 0712 |
| 0075 | 0291 | 0528 | 0713 |
| 0100 | 0293 | 0540 | 0719 |
| 0130 | 0299 | 0541 | 0725 |
| 0139 | 0300 | 0544 | 0778 |
| 0175 | 0303 | 0545 | 0779 |
| 0184 | 0307 | 0546 | 0780 |
| 0189 | 0331 | 0553 | 0793 |
| 0193 | 0332 | 0554 | 0794 |
| 0204 | 0333 | 0556 | 0795 |
| 0223 | 0396 | 0568 | 0801 |
| 0225 | 0453 | 0589 | 0803 |
| 0228 | 0457 | 0604 | 0806 |
| 0230 | 0458 | 0632 | 0807 |
| 0234 | 0459 | 0642 | 0813 |
| 0235 | 0460 | 0680 | 0816 |
| 0236 | 0463 | 0682 | 0893 |
| 0238 | 0469 | 0684 | 0895 |
| 0262 | 0471 | 0688 | 0896 |
| 0263 | 0476 | 0689 | 0901 |
| 0273 | 0485 | 0700 | 0906 |
| 0280 | 0491 | 0701 | 0914 |

I-5. Economics

| | | | |
|------|------|------|------|
| 0008 | 0172 | 0443 | 0738 |
| 0017 | 0176 | 0474 | 0824 |
| 0031 | 0196 | 0595 | 0832 |
| 0033 | 0309 | 0639 | 0852 |
| 0068 | 0357 | 0674 | 0854 |
| 0074 | 0364 | 0683 | 0924 |
| 0170 | 0365 | 0698 | 0925 |

I-6. Special Use Areas

| | | | |
|------|------|------|------|
| 0027 | 0636 | 0905 | 0917 |
| 0533 | 0637 | 0907 | 0918 |
| 0585 | 0653 | 0912 | 0921 |

I-7. Trails

I-8. Aquatic and Associated Land

I-9. Marine and Coastal

I-10. Service Areas

II. MANAGEMENT FOR RECREATION ACTIVITIES AND EXPERIENCES

II-1. General

| | |
|------|------|
| 0049 | 0623 |
| 0121 | 0927 |
| 0445 | |

II-2. Camping

| | | | |
|------|------|------|------|
| 0018 | 0334 | 0430 | |
| 0055 | 0354 | 0432 | 0538 |
| 0084 | 0381 | 0436 | 0569 |
| 0107 | 0401 | 0444 | 0573 |
| 0122 | 0411 | 0475 | 0744 |
| 0177 | 0417 | 0477 | 0751 |
| 0202 | 0423 | 0478 | 0752 |
| 0277 | 0425 | 0480 | 0859 |
| | | | 0861 |
| | | | 0864 |

II-3. Hiking/Backpacking

| | | | |
|------|------|------|------|
| 0056 | 0539 | 0676 | 0712 |
| 0077 | 0543 | 0677 | 0780 |
| 0352 | 0547 | 0678 | 0791 |
| 0353 | 0583 | 0680 | 0920 |
| | | | 0922 |

II-4. Hunting/Fishing

| | | | |
|------|------|------|------|
| 0088 | 0292 | 0358 | 0692 |
| 0157 | 0298 | 0384 | 0693 |
| 0168 | 0302 | 0388 | 0694 |
| 0169 | 0307 | 0530 | 0707 |
| 0251 | 0339 | 0560 | 0764 |
| 0261 | 0341 | 0575 | 0797 |
| 0289 | 0348 | 0610 | 0825 |
| | | | 0826 |

II-5. ORV's

0784
0910

II-6. Snow/Ice Activities

| | | | |
|------|------|------|-------|
| 0178 | 0349 | 0454 | 0716 |
| 0192 | 0446 | 0472 | 0792 |
| 0249 | 0447 | 0473 | 0857 |
| 0306 | 0450 | 0581 | 0858d |

II-7. Swim/Sub-Surface Activities

II-8. Water Surface Activities

| | | | |
|------|------|------|------|
| 0004 | 0266 | 0492 | 0662 |
| 0011 | 0330 | 0496 | 0679 |
| 0129 | 0359 | 0502 | 0681 |
| 0154 | 0391 | 0534 | 0685 |
| 0180 | 0392 | 0549 | 0686 |
| 0185 | 0451 | 0587 | 0731 |
| 0202 | 0452 | 0589 | 0748 |
| 0233 | 0456 | 0613 | 0804 |
| 0242 | 0486 | 0621 | 0822 |
| 0253 | 0488 | 0644 | 0823 |

II-9. People and non-game wildlife

| | | | |
|------|------|------|------|
| 0122 | 0143 | 0313 | 0625 |
| 0141 | 0144 | 0489 | 0674 |
| 0142 | 0145 | 0620 | 0931 |

II-10. Aerial Activities

II-11. Day-use activities

0603

III. MANAGEMENT AND USERS

III-1. General

0136
0635
0718

III-2. Assessing Demand & Trends & Marketing & Market Surveys

| | | | |
|------|------|------|------|
| 0001 | 0275 | 0438 | 0675 |
| 0005 | 0294 | 0439 | 0683 |
| 0023 | 0306 | 0441 | 0685 |
| 0025 | 0365 | 0446 | 0687 |
| 0026 | 0366 | 0447 | 0705 |
| 0099 | 0382 | 0455 | 0748 |
| 0116 | 0395 | 0472 | 0750 |
| 0119 | 0418 | 0499 | 0755 |
| 0155 | 0422 | 0536 | 0762 |
| 0178 | 0423 | 0578 | 0763 |
| 0192 | 0425 | 0601 | 0768 |
| 0197 | 0426 | 0607 | 0791 |
| 0200 | 0427 | 0614 | 0820 |
| 0233 | 0429 | 0617 | 0833 |
| 0244 | 0430 | 0625 | 0850 |
| 0246 | 0431 | 0628 | 0857 |
| | | | 0905 |

III-3. Assessing Use

| | | | |
|------|------|------|------|
| 0005 | 0215 | 0359 | 0721 |
| 0062 | 0255 | 0360 | 0730 |
| 0063 | 0299 | 0362 | 0734 |
| 0066 | 0337 | 0470 | 0751 |
| 0109 | 0340 | 0484 | 0780 |
| 0124 | 0342 | 0485 | 0831 |
| 0125 | 0343 | 0521 | 0850 |
| 0126 | 0344 | 0527 | 0851 |
| 0127 | 0345 | 0528 | 0853 |
| 0128 | 0346 | 0540 | 0855 |
| 0150 | 0347 | 0556 | 0865 |
| 0194 | 0349 | 0579 | 0872 |
| 0198 | 0351 | 0597 | 0873 |
| 0203 | 0356 | 0636 | 0913 |
| 0204 | 0357 | 0646 | |
| 0214 | 0358 | 0680 | |

III-4. Depreciative Behavior/Enforcement

| | | | |
|------|------|------|------|
| 0058 | 0081 | 0090 | 0571 |
| 0071 | 0083 | 0091 | 0588 |
| 0072 | 0085 | 0237 | 0633 |
| 0079 | 0086 | 0557 | 0715 |
| 0080 | 0087 | 0570 | 0764 |
| | | | 0923 |

III-5. Visitor Safety

| | | | |
|------|------|------|------|
| 0557 | 0668 | 0670 | 0672 |
| 0667 | 0669 | 0671 | 0903 |

III-6. Information/Interpretation

| | | | |
|------|------|------|------|
| 0029 | 0390 | 0714 | 0886 |
| 0147 | 0394 | 0717 | 0887 |
| 0148 | 0397 | 0783 | 0888 |
| 0149 | 0493 | 0838 | 0889 |
| 0222 | 0494 | 0876 | 0890 |
| 0224 | 0497 | 0877 | 0897 |
| 0257 | 0572 | 0878 | 0898 |
| 0288 | 0580 | 0880 | 0899 |
| 0387 | 0695 | 0884 | 0900 |
| | | | 0902 |
| | | | 0904 |

III-7. Administration--Decisionmaking

| | | | |
|------|------|------|------|
| 0035 | 0296 | 0630 | 0794 |
| 0051 | 0332 | 0697 | 0799 |
| 0106 | 0437 | 0733 | 0812 |
| 0205 | 0460 | 0766 | 0824 |
| 0216 | 0526 | 0772 | 0869 |
| 0271 | 0584 | 0777 | 0871 |
| 0279 | 0616 | 0793 | 0883 |

III-8. User Descriptions, Preferences, Benefits

| | | | |
|------|------|------|------|
| 0006 | 0171 | 0379 | 0612 |
| 0012 | 0173 | 0380 | 0626 |
| 0015 | 0187 | 0389 | 0631 |
| 0035 | 0209 | 0392 | 0654 |
| 0038 | 0248 | 0398 | 0665 |
| 0049 | 0249 | 0402 | 0698 |
| 0053 | 0250 | 0450 | 0704 |
| 0056 | 0252 | 0452 | 0711 |
| 0064 | 0256 | 0463 | 0716 |
| 0065 | 0259 | 0473 | 0743 |
| 0076 | 0260 | 0483 | 0744 |
| 0077 | 0261 | 0500 | 0782 |
| 0107 | 0272 | 0525 | 0788 |
| 0111 | 0273 | 0543 | 0792 |
| 0113 | 0276 | 0550 | 0822 |
| 0121 | 0277 | 0553 | 0823 |
| 0138 | 0280 | 0558 | 0825 |
| 0152 | 0282 | 0559 | 0834 |
| 0153 | 0285 | 0577 | 0845 |
| 0156 | 0352 | 0582 | 0860 |
| 0158 | 0361 | 0585 | 0862 |
| 0159 | 0377 | 0587 | 0863 |
| 0160 | 0378 | 0596 | 0909 |
| 0161 | | | 0912 |

III-9. Carrying Capacity

| | | | |
|------|------|------|------|
| 0232 | 0495 | 0809 | 0881 |
| 0465 | 0524 | 0810 | 0894 |
| 0479 | 0629 | 0815 | 0906 |
| 0481 | 0796 | 0817 | 0916 |
| 0487 | 0798 | 0858 | 0919 |
| 0490 | 0800 | 0866 | |

III-10. Recreation Opportunity Spectrum

| | | | |
|------|------|------|------|
| 0036 | 0039 | 0096 | 0162 |
| 0037 | 0095 | 0097 | 0576 |

IV. RESOURCE PROTECTION AND REHABILITATION

IV-1. General

| | |
|------|------|
| 0322 | 0811 |
| 0669 | 0892 |

IV-2. User Impacts

| | | | |
|------|------|------|------|
| 0096 | 0227 | 0367 | 0599 |
| 0098 | 0229 | 0399 | 0600 |
| 0100 | 0231 | 0551 | 0627 |
| 0104 | 0269 | 0552 | 0690 |
| 0123 | 0314 | 0563 | 0709 |
| 0151 | 0330 | 0586 | 0771 |
| 0184 | 0338 | 0598 | 0870 |

IV-3. Site Rehabilitation

| | | | |
|------|------|------|------|
| 0020 | 0108 | 0226 | 0566 |
| 0028 | 1110 | 0565 | 0710 |

IV-4. Geologic/Soil/Mineral Resources

| | |
|------|------|
| 0050 | 0386 |
| 0385 | 0706 |

IV-5. Vegetation Resources

| | | | |
|------|------|------|------|
| 0002 | 0112 | 0264 | 0567 |
| 0013 | 0179 | 0265 | 0640 |
| 0019 | 0218 | 0308 | 0641 |
| 0098 | 0247 | 0403 | 0657 |
| 0101 | 0263 | 0562 | 0658 |
| 0103 | 0263 | 0564 | 0708 |
| | | | 0867 |

IV-6. Wildlife/Fishery Resources

| | |
|------|------|
| 0105 | 0701 |
| 0658 | 0874 |

IV-7. Aquatic and Associated Land Resources

| | | |
|------|------|------|
| 0010 | 0383 | 0656 |
| 0239 | 0655 | 0740 |
| | | 0821 |

IV-8. Backcountry and Wilderness Resources

| | | | |
|------|------|------|------|
| 0219 | 0221 | 0267 | 0466 |
| 0220 | 0266 | 0273 | 0467 |
| | | | 0542 |

IV-9. Visual Resources

| | | | |
|------|------|------|------|
| 0003 | | 0506 | |
| 0007 | 0183 | 0507 | 0735 |
| 0009 | 0186 | 0508 | 0737 |
| 0021 | 0190 | 0509 | 0745 |
| 0022 | 0199 | 0510 | 0753 |
| 0030 | 0201 | 0511 | 0754 |
| 0032 | 0206 | 0512 | 0756 |
| 0040 | 0207 | 0513 | 0757 |
| 0041 | 0208 | 0514 | 0758 |
| 0042 | 0210 | 0515 | 0760 |
| 0043 | 0211 | 0516 | 0765 |
| 0044 | 0217 | 0517 | 0770 |
| 0045 | 0268 | 0518 | 0773 |
| 0046 | 0305 | 0522 | 0785 |
| 0047 | 0323 | 0564 | 0786 |
| 0048 | 0336 | 0567 | 0819 |
| 0060 | 0350 | 0574 | 0835 |
| 0078 | 0368 | 0634 | 0836 |
| 0118 | 0369 | 0638 | 0841 |
| 0120 | 0370 | 0649 | 0843 |
| 0132 | 0373 | 0650 | 0844 |
| 0133 | 0374 | 0651 | 0846 |
| 0134 | 0375 | 0666 | 0847 |
| 0135 | 0376 | 0702 | 0882 |
| 0181 | 0393 | 0724 | 0930 |
| | 0505 | | 0932 |

IV-10. Special Use/Special Designated Areas

| | | |
|------|------|------|
| 0146 | 0504 | 0673 |
| 0363 | 0561 | 0830 |

IV-11. Resource Protection

| |
|------|
| 0082 |
| 0311 |

IV-12. Marine and Coastal Resources

IV-13. Cultural Resources

V. MANAGEMENT PLANNING AND RESEARCH

V-1. General, education and curriculums

| | | | |
|------|------|------|------|
| 0164 | 0278 | 0433 | 0849 |
| 0241 | 0318 | 0622 | 0869 |
| 0245 | 0324 | 0814 | 0875 |
| | | | 0885 |

V-2. Management Planning

| | | | |
|------|------|------|------|
| 0034 | 0240 | 0519 | 0769 |
| 0094 | 0284 | 0548 | 0776 |
| 0137 | 0312 | 0606 | 0779 |
| 0140 | 0372 | 0659 | 0802 |
| 0155 | 0407 | 0660 | 0805 |
| 0163 | 0408 | 0661 | 0827 |
| 0167 | 0412 | 0665 | 0828 |
| 0174 | 0413 | 0703 | 0837 |
| 0188 | 0414 | 0722 | 0848 |
| 0206 | 0415 | 0723 | 0879 |
| 0215 | 0448 | 0736 | 0891 |
| 0235 | 0464 | 0767 | 0929 |

V-3. Management Plans

| | |
|------|------|
| 0069 | 0191 |
| 0070 | 0212 |

V-4. Public Involvement and Legal Conc ns

| | | |
|------|------|------|
| 0089 | 0243 | 0304 |
| 0092 | 0297 | 0371 |
| 0213 | 0301 | 0732 |
| | | 0781 |

V-5. Research

| | | | |
|------|------|------|------|
| 0024 | 0317 | 0523 | 0742 |
| 0052 | 0319 | 0529 | 0746 |
| 0054 | 0320 | 0531 | 0747 |
| 0073 | 0321 | 0532 | 0749 |
| 0093 | 0325 | 0534 | 0759 |
| 0114 | 0326 | 0535 | 0761 |
| 0117 | 0328 | 0537 | 0774 |
| 0131 | 0330 | 0545 | 0775 |
| 0165 | 0355 | 0555 | 0790 |
| 0166 | 0404 | 0606 | 0808 |
| 0195 | 0409 | 0615 | 0812 |
| 0209 | 0416 | 0618 | 0818 |
| 0216 | 0419 | 0619 | 0829 |
| 0223 | 0435 | 0641 | 0838 |
| 0254 | 0440 | 0652 | 0839 |
| 0258 | 0442 | 0653 | 0840 |
| 0283 | 0466 | 0676 | 0842 |
| 0286 | 0468 | 0691 | 0870 |
| 0295 | 0498 | 0720 | 0871 |
| 0310 | 0501 | 0728 | 0911 |
| 0315 | 0503 | 0729 | 0912 |
| 0316 | 0515 | 0741 | 0914 |
| | | | 0915 |
| | | | 0932 |

V-6. Economics of Recreation Enterprises

| | | | |
|------|------|------|------|
| 0014 | 0405 | 0428 | 0592 |
| 0018 | 0406 | 0432 | 0593 |
| 0115 | 0410 | 0434 | 0594 |
| 0177 | 0411 | 0439 | 0605 |
| 0182 | 0420 | 0443 | 0608 |
| 0202 | 0421 | 0449 | 0609 |
| 0284 | 0423 | 0482 | 0611 |
| 0400 | 0424 | 0590 | 0908 |
| 0401 | 0426 | 0591 | 0926 |
| | | | 0928 |

VI. SOURCE DOCUMENTS

VI-1. Conference and Symposium Proceedings

| | | | |
|------|------|-------|-------|
| 0643 | 0648 | 0789 | 0858 |
| 0644 | 0666 | 0813 | 0858a |
| 0647 | 0787 | 0856 | 0858b |
| | | 0856a | 0858c |

VI-2. Research Literature (Bibliographies)

| | | | |
|------|------|------|------|
| 0004 | 0663 | 0694 | 0798 |
| 0148 | 0664 | 0696 | 0832 |
| 0632 | 0691 | 0739 | |

VI-3. Books

0303
0471

USDA FOREST SERVICE EXPERIMENT STATION ADDRESSES

- (INT) Intermountain Forest and Range
Experiment Station
507 25th Street
Ogden, Utah 84401
- (NC) North Central Forest Experiment Station
1992 Folwell Avenue
St. Paul, Minnesota 55108
- (NE) Northeastern Forest Experiment Station
370 Reed Road
Broomall, Pennsylvania 19008
- (PNW) Pacific Northwest Forest and Range
Experiment Station
809 NE 6th Avenue
Portland, Oregon 97232
- (PSW) Pacific Southwest Forest and Range
Experiment Station
1960 Addison Street
P.O. Box 245
Berkeley, California 94701
- (RM) Rocky Mountain Forest and Range
Experiment Station
240 West Prospect Street
Fort Collins, Colorado 80526
- (SE) Southeastern Forest Experiment Station
200 Weaver Boulevard
Asheville, North Carolina 28804
- (SO) Southern Forest Experiment Station
T-10210, U.S. Postal Service Building
701 Loyola Avenue
New Orleans, Louisiana 70113
- (WO) USDA Forest Service
P.O. Box 2417
Washington, D.C. 20013