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# A Guide to Literature Retrieval in Outdoor Recreation

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Moscow

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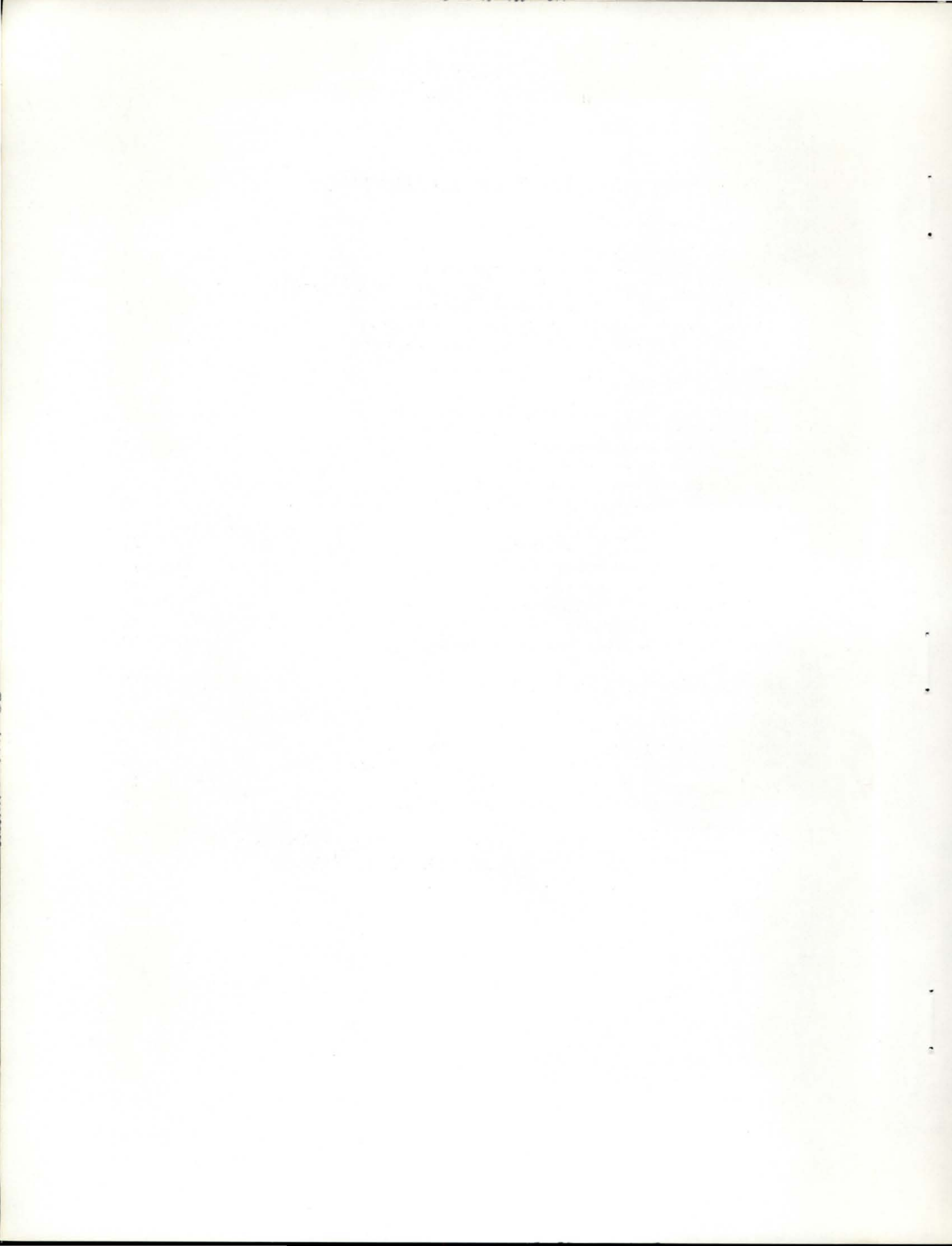




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## A GUIDE TO LITERATURE RETRIEVAL IN OUTDOOR RECREATION

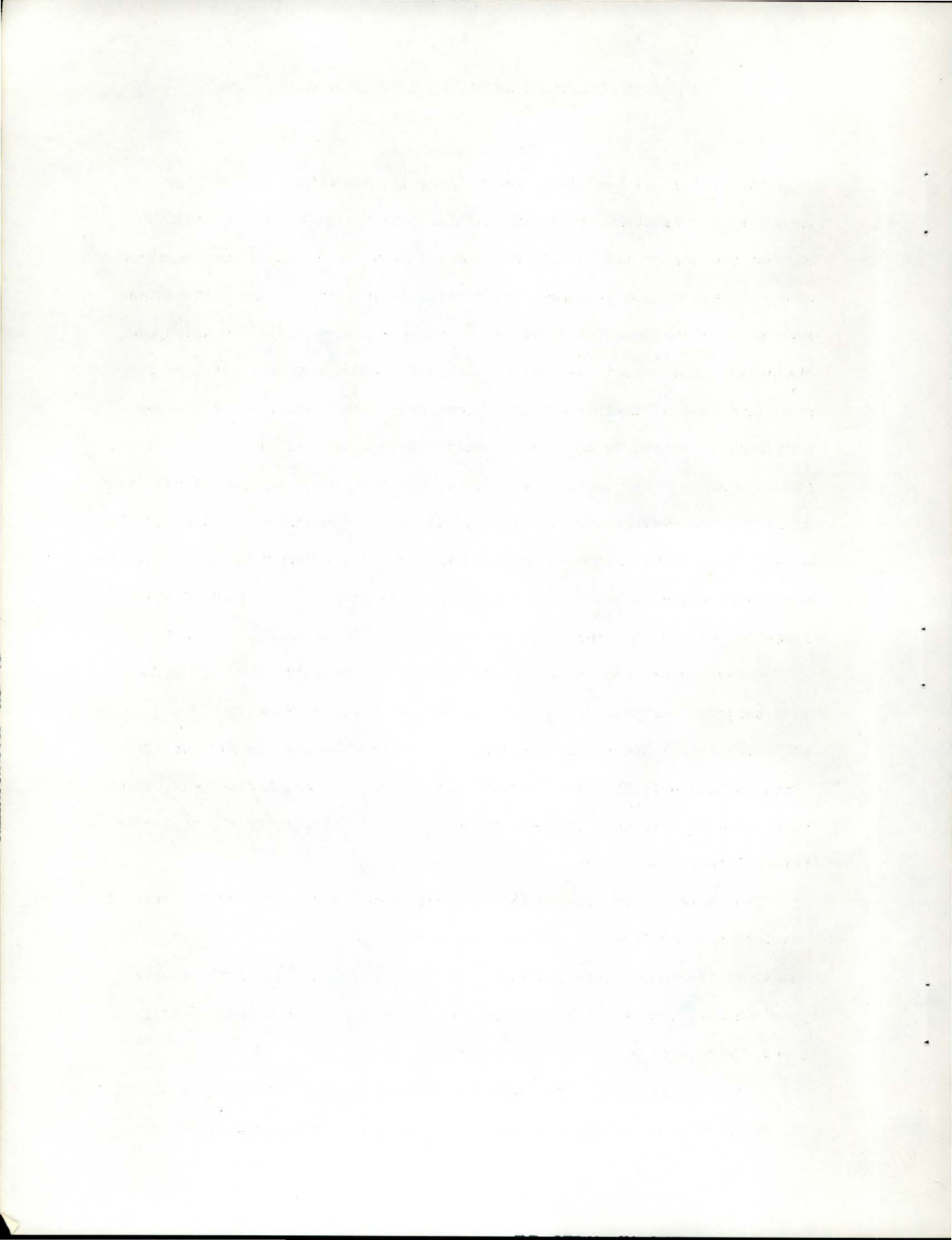
### Introduction

This guide has been developed to help the student researcher and recreation professional find information, both technical and popular, in outdoor recreation and closely related subjects, such as resource management; urban recreation and planning; interpretation and environmental education; and environmental quality. Before any information retrieval is attempted, the entire guide should be read over in order to acquire a feeling of the many kinds of information and literature which are available. Often the complaint is voiced by the undergraduate student assigned a research topic, "There just isn't anything in the library on that topic!" More likely, the student is so overwhelmed with the amount of information in the library, he hardly knows where or how to begin seeking out the information he needs. By proceeding systematically with the use of this guide, you should in most cases be able to put your hands on some pertinent literature in short order.

A few fundamental points should perhaps be stressed. First, define your subject. Is your research topic really "National Parks?" If so, you're very ambitious. How about narrowing it down to "Crowding in National Parks," "Transportation in National Parks," "History of National Parks," etc. Once your topic is precisely defined, you can proceed directly to the most appropriate literature sources.

The library card catalog (Section A1) when fully exploited in terms of possible cross-referenced subjects, is a valuable start in any research endeavor. Remember, once you find a current book which precisely covers your subject, you have its bibliography in which to find a host of additional references.

Popular periodicals are excellent sources for (1) overviews of a subject, (2) statements of current problems and events, (3) reflections of professional



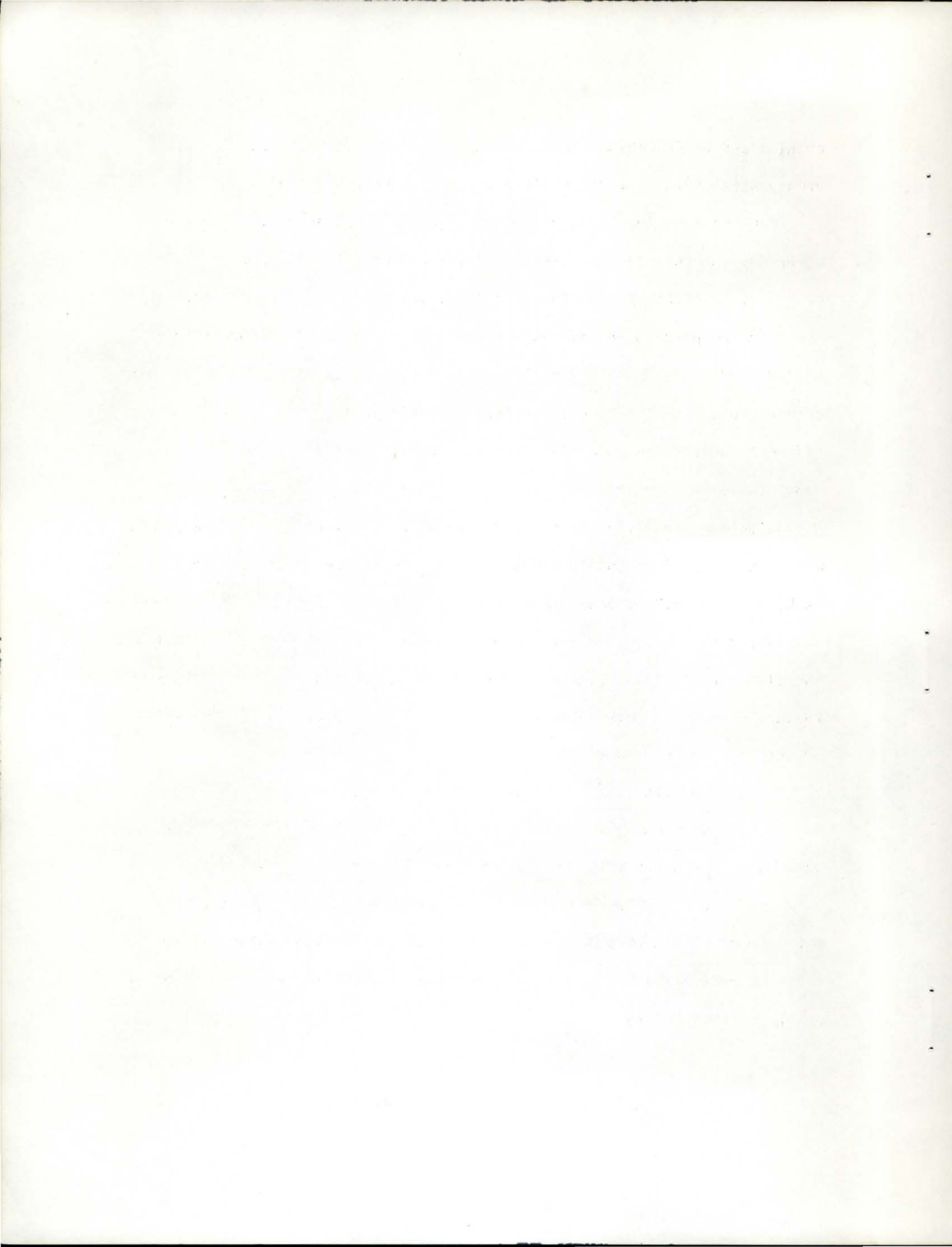


opinion and philosophical thought, and (4) advocacy points of view of the agency organization or clientele group which the periodical serves.

Journals and technical periodicals generally presuppose a background knowledge in their subject areas. They are scholarly and specific -- a poor place to start if you know little of your subject, but a necessary avenue when you are pursuing an in-depth study or very technical information.

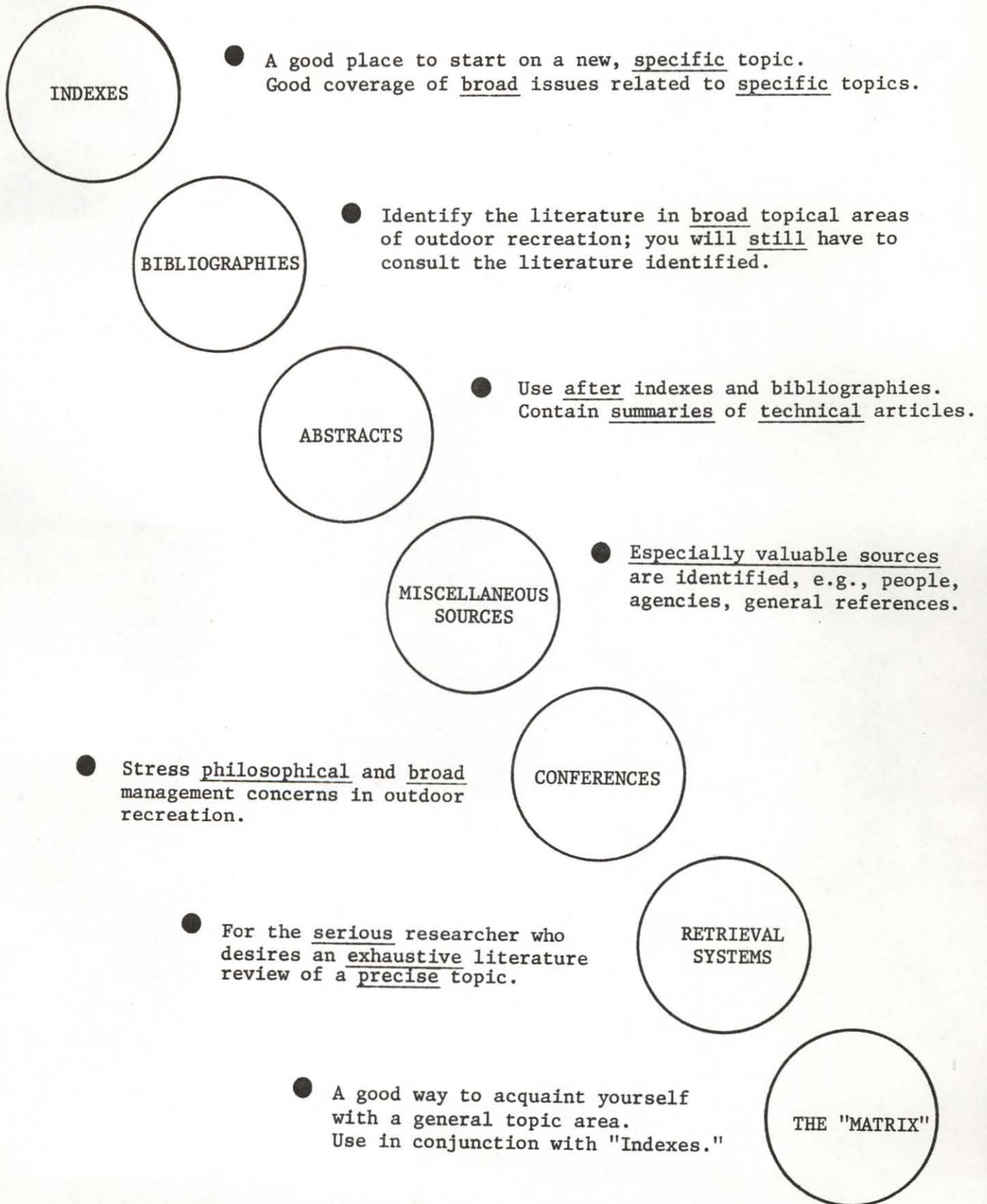
The "Matrix..." (Section G) relates broad subject areas in outdoor recreation to both technical and popular periodicals likely to yield information of value on a given topic. Look over magazines and journals known to relate directly to a topic, for example, National Parks and Conservation Magazine if you are interested in national parks. This approach will surely yield useful information. Start with the blocks of the matrix marked with "3's." Spaces are available in the matrix to add further subject categories and periodical entries of your own. Call numbers in the matrix and elsewhere in this guide are those of the University of Idaho Library, which are based (as are those of most university libraries), on the Library of Congress Classification Schedules.

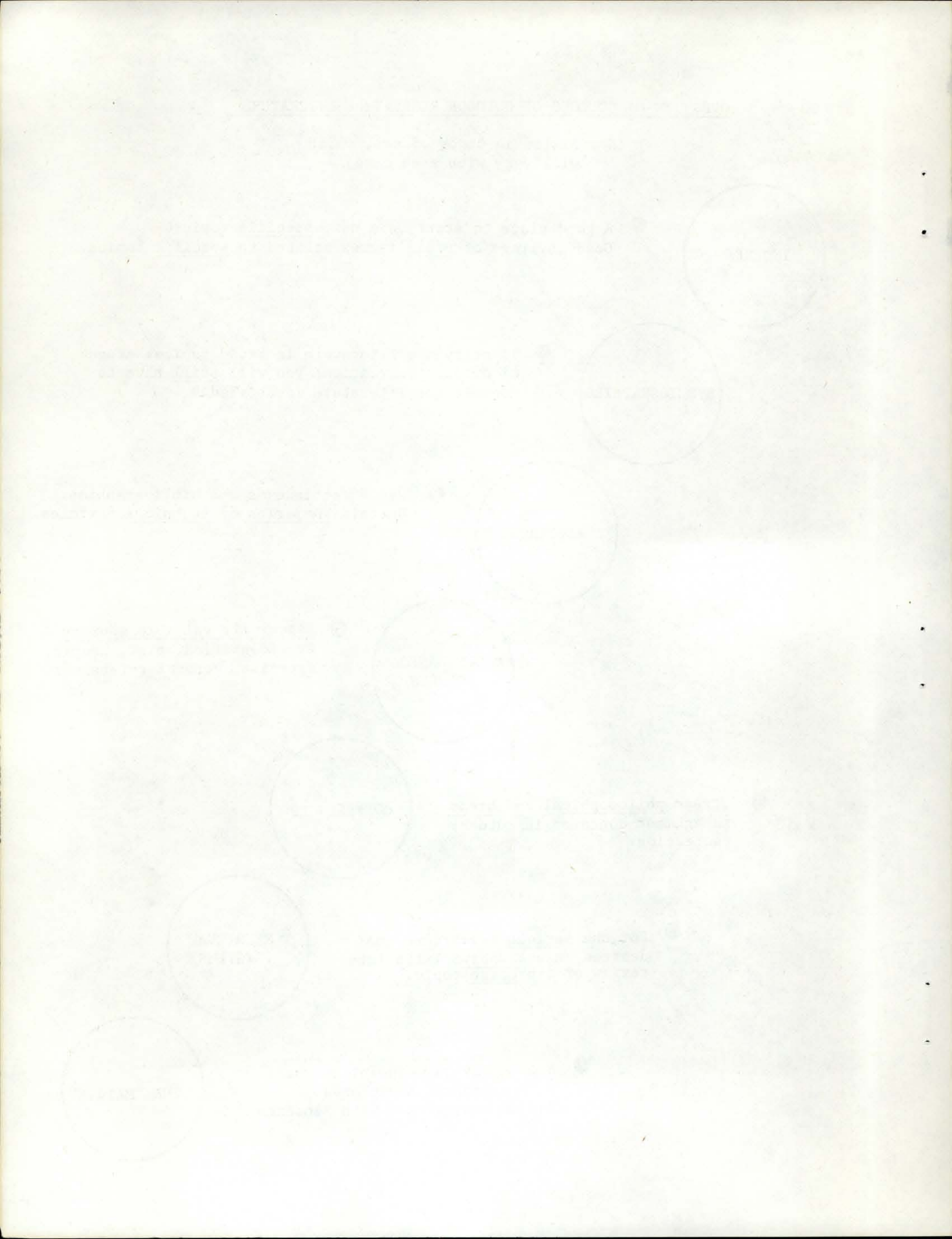
Abstracts (Section C) will be of greatest interest to the serious researcher, and retrieval systems (Section F) will be of almost exclusive concern to those pursuing intense or exhaustive study of a subject. A number of useful, technical journals in psychology, sociology, economics, and related fields have been omitted from this Guide since they are of prime value to the specialist researcher who will probably already have knowledge of their significance.



OVERVIEW OF SOURCES OF OUTDOOR RECREATION LITERATURE

(Not listed in order of use, which will vary with each case)







## Section A -- Indexes

Indexes are extensive, alphabetized listings of subjects which are keyed to various types of literature. Some indexes are general; others are specialized in the subject they cover. Some are technical, others popular; and some are keyed to periodicals only, while still others may be keyed to a wide cross section of literature, including books, pamphlets and reports. Indexes are good places to start when you are first approaching a new subject. Indexes list titles and authors and direct you to the publication containing the title.

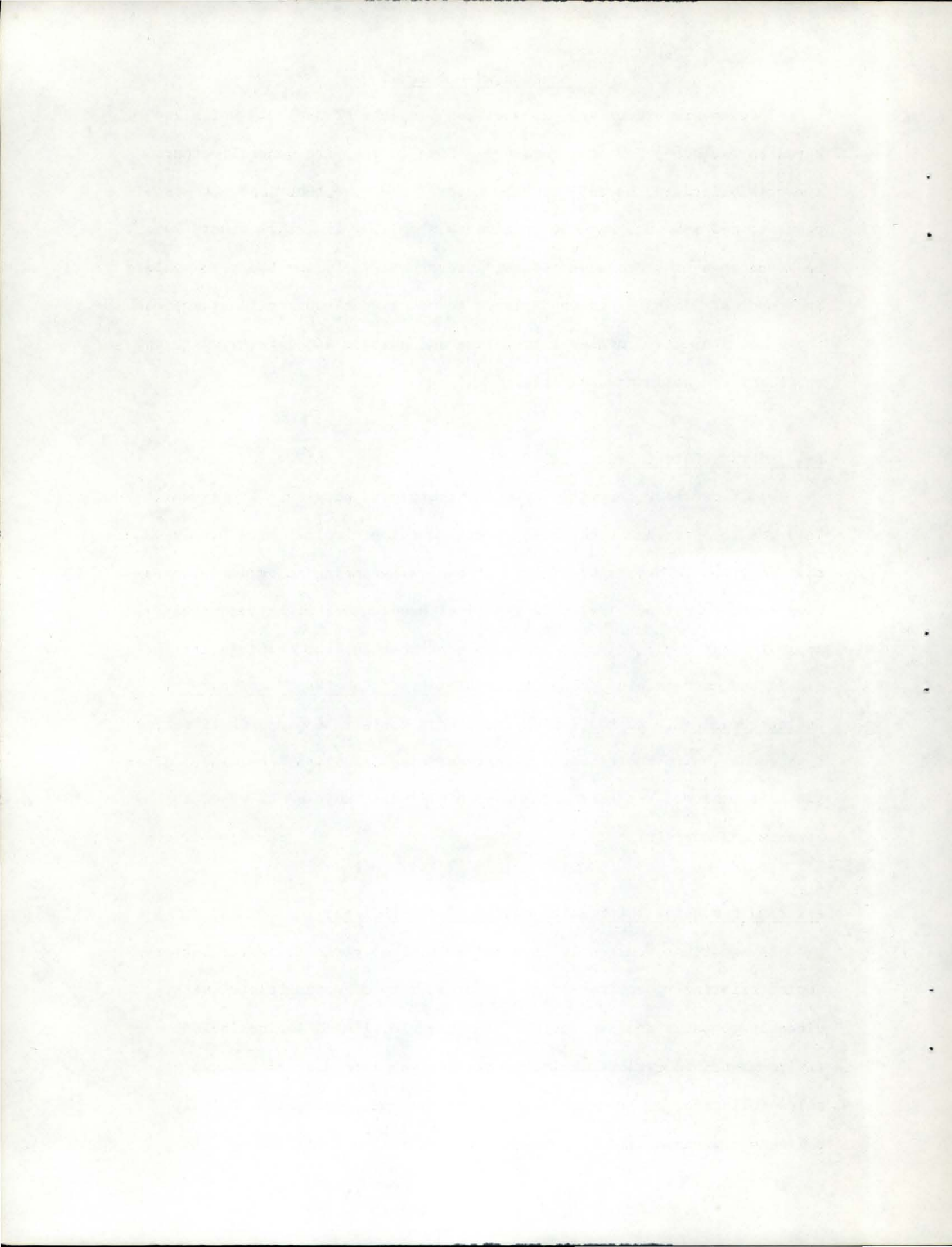
### A-1 Library Card Catalog

Don't overlook the value of the library card catalog. It may well lead you to a current book which covers your topic well. More likely than not, the card catalog will be at best a beginning in outdoor recreation topic research. Try as many subject headings as might reasonably apply to your topic. If you are unsure of what subject headings are in use in the card catalog, consult the Library of Congress Dictionary of Subject Headings, 7th Ed., which enumerates subject headings in libraries that subscribe to the Library of Congress Classification Schedules. After you have exhausted the card catalog possibilities, move on to other abstracts and serials.

### A-2 Environmental Information Access (Index TD/1/E5)

An excellent, currently up-dated listing of periodical articles on topics relating to environmental concerns, many of which relate quite directly to parks and recreation. For example, listed topics include: environmental education, environmental design, land use and management, noise pollution, non-renewable natural resources, population control, pollution, transportation, parks and recreation, and wildlife.





A-3 Monthly Catalog of U.S. Government Publications (DGP/3.8)

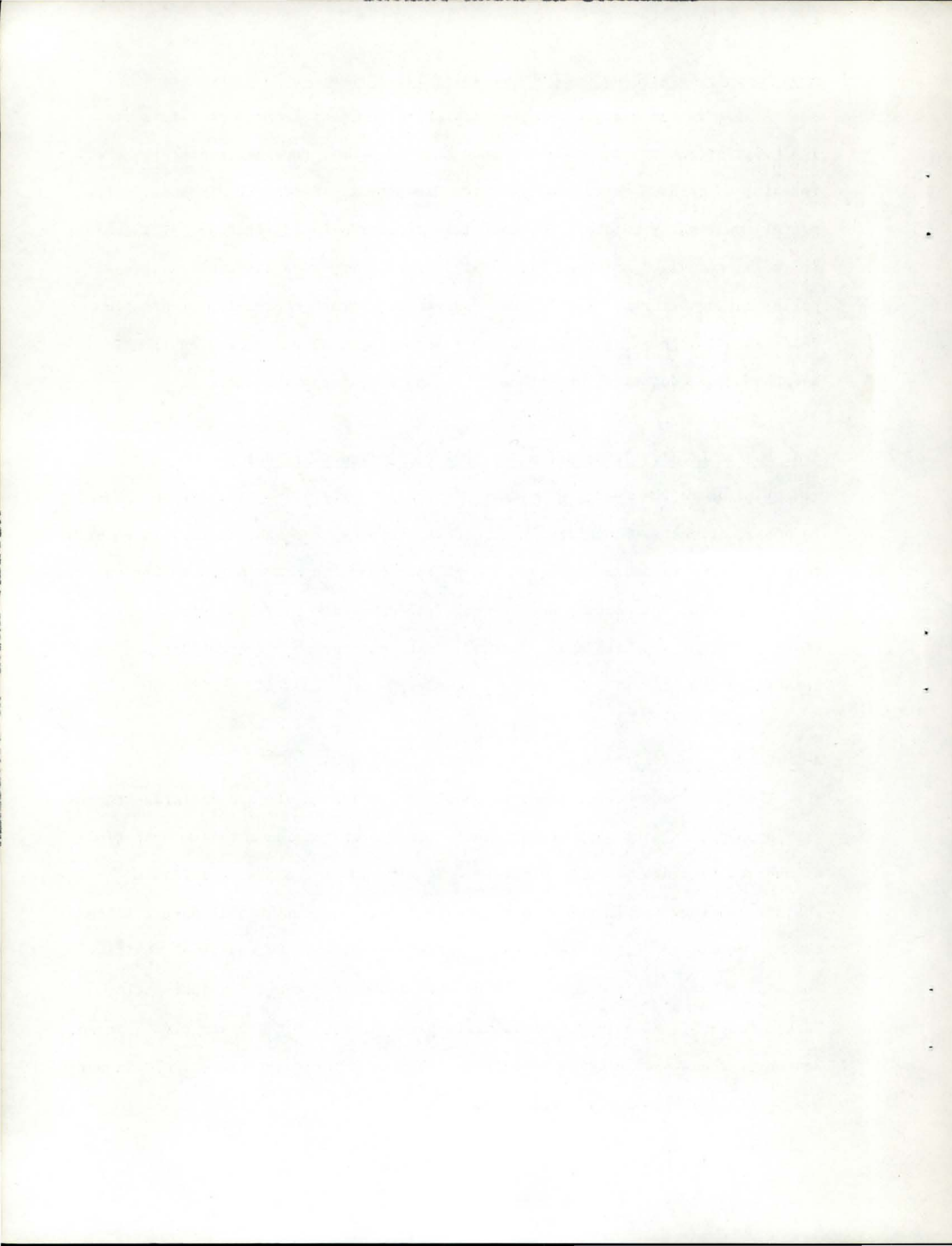
A most valuable source in your search for outdoor recreation literature. The U.S. Government has published thousands of books, reports, pamphlets, etc. relating to parks & recreation resource management. Search the indexes of the monthly and yearly catalogs for materials in your area of interest. The subject index is extensive, so check all possibilities. Try such subject headings as: parks, national parks, state parks, recreation, forest recreation, recreation vehicles, wilderness, economics of recreation, natural resources, environment, environmental education, and others that may appear appropriate.

A-4 Public Affairs Information Service (PAIS) (Index H/1/P8)

Similar to the Reader's Guide to Periodical Literature, this is an index to books, articles, pamphlets, periodicals, reports, and other materials related to public affairs and economics. Though this guide is not limited to periodicals, 1,000 different periodicals are nevertheless covered. Many listings appear under these subject headings: "parks", "national parks", "recreation" and related topics. A very good general source.

A-5 Reader's Guide to Periodical Literature (A1/3/R48)

This is a very useful guide to popular articles in all subject areas that have appeared in many popular magazines. Look over the index to see what kinds of subject headings you should pursue. To give you an idea, the following subject headings are in the Reader's Guide index: parks, national parks, state parks, recreation, forest recreation, forest management, recreational vehicles and wilderness. Don't overlook the possibility of a specific subject title, "Grand Canyon", for example, or specific place names. Authors are also indexed. Remember, the Reader's Guide is only an index to popular literature, and is not a sufficient device for in-depth research.



A-6 Social Sciences and Humanities Index (A1/3/R49)

An author and subject index to periodicals in the social sciences and humanities, including economics, geography, sociology, and related subjects of interest to the outdoor recreationist. It is non-popular in orientation and aimed at the "humanities side" of social science. A fair, general source in terms of outdoor recreation.





Section B -- Bibliographies Related to Outdoor Recreation

- Bureau of Outdoor Recreation, Index of Selected Outdoor Recreation Literature, Vol. IV, Dept. Interior, Washington, D.C., Nov. 1969.
- Bureau of Outdoor Recreation Outdoor Recreation Research, A Reference Catalog, No. 3, Dept. Interior & Smithsonian Inst. Science Information. Exchange, Jan., 1970.
- Bureau of Outdoor Recreation, Outdoor Recreation Research Register 1973, No. 5, Dept. Interior and Smithsonian Scientific Information Exchange, 1973.
- Ditton, Robert B., The Identification and Critical Analysis of Selected Literature Dealing with the Recreational Aspects of Water Resource Use, Planning, & Development, Univ. Illinois. Urbana, 1969.
- Glascock, M. D., et al, Selected Sources of Information for Interpretive Naturalists, An Annotated Bibliography, Assn. of Interpretive Naturalists, 1969.
- Illinois Dept. Conservation, Outdoor Recreation Management, An Annotated Bibliography, Springfield, Illinois.
- McKee, D. T., An Annotated Bibliography of Research in Communications and Related areas as it Concerns Interpretation at Outdoor Recreation Facilities, Pacific Northwest Forest & Range Exp. Sta., USDA, Forest Service, Seattle, Wash., 1972.
- Meshenberg, Michael J., Environmental Planning, A Selected Annotated Bibliography, Am. Society Planning Officials, Chicago, Ill., 1970.
- National Recreation and Parks Assn., Publications on Parks, Recreation & Leisure, NRPA, Wash., D.C., 1973.
- Potter, Dale, et al, Human Behavior Aspects of Fish & Wildlife Conservation, An Annotated Bibliography, USDA Forest Service General Technical Report PNW-4, 1973.
- Potter, Dale, et al, Questionnaires for Research, An Annotated Bibliography on Design, Construction and Use, USDA, Forest Service Research Paper PNW-140, 1972.
- Stankey, Geor. H. & David W. Lime, Recreational Carrying Capacity, An Annotated Bibliography, U.S.D.A. Forest Service, General Technical Report INT-3, 1973.
- U.S. Department of Agriculture, Forest Service, Annotated List of Publications of the Pacific Northwest Forest and Range Experiment Station for the Year 1972, Portland, Oregon, 1973.
- \_\_\_\_\_, Bibliography of Forest Service Outdoor Recreation Research Publications (Supplement No. 4), Intermountain Forest and Range Experiment Station, Ogden, Utah, 1971.



U.S. Department of Agriculture, Forest Recreation Research (1) Publications, Station Releases, Intermountain Forest and Range Experiment Station, Ogden, Utah, 1966.

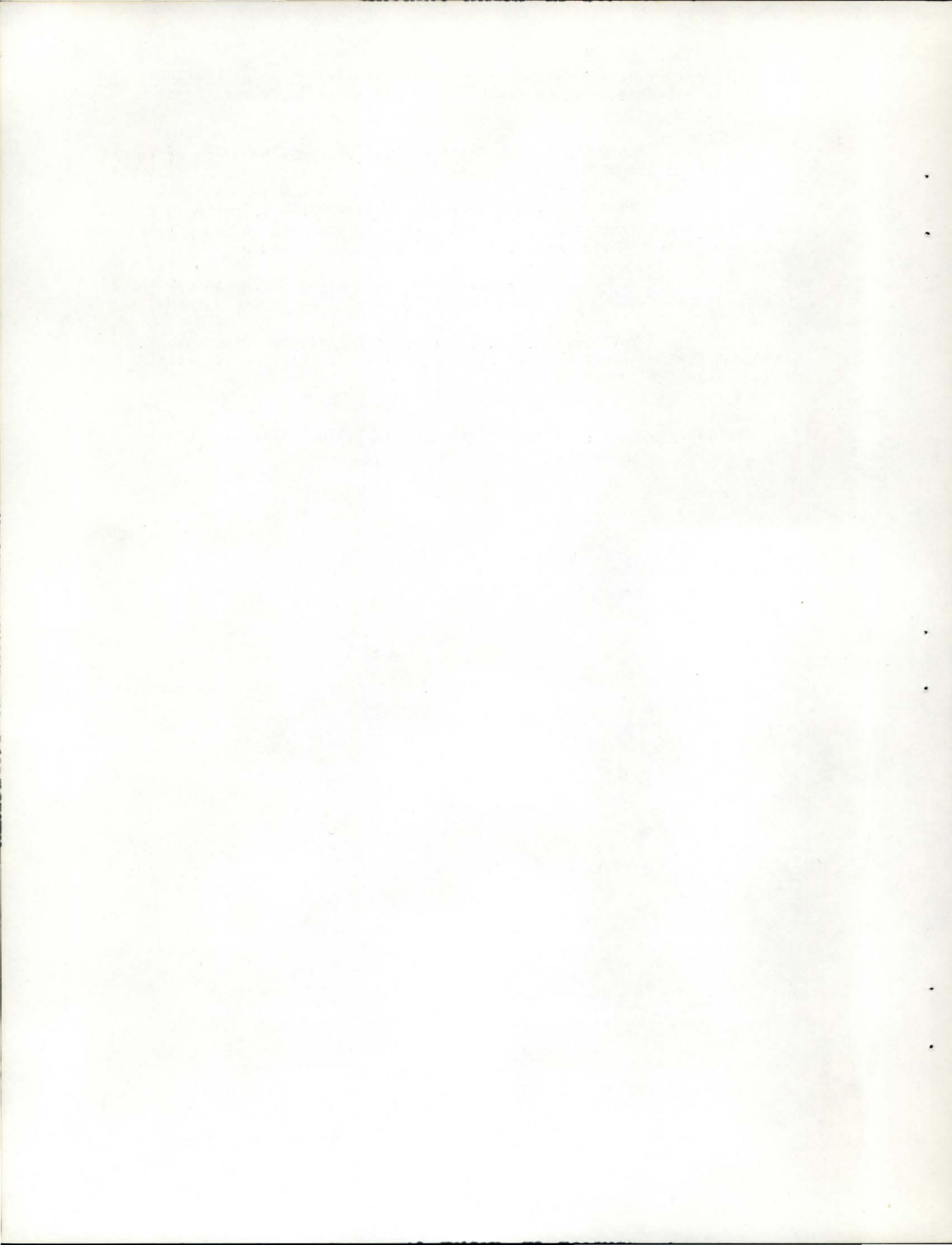
\_\_\_\_\_, Forest Recreation Research Publications, Division of Forest Environment Research, Wash., D.C., 1972.

\_\_\_\_\_, Forest Recreation Research, Bibliography of Forest Service Outdoor Recreation Research Publications, 1942 through 1966, North Central Forest Experiment Station, St. Paul, Minn., 1966.

\_\_\_\_\_, List of Publications, 1972, Annotated, North Central Forest Experiment Station, St. Paul, Minn., 1972.

\_\_\_\_\_, Forest Service, Publications for 1972, Pacific Southwest Forest & Range Experiment Station, Berkeley, Ca., 1972. (Lists also available for 1969-70-71).

NOTE: See library card catalog, "Bibliographies", for additional bibliographic possibilities.





## Section C -- Abstracts

Abstracts are much like indexes except that they also contain summaries (anywhere between fifty and a few hundred words) of the listed articles. This is convenient to one seeking a main point or to one who wishes to preview an article before retrieving and reading the whole thing. Abstracts are scholarly and technical and are seldom keyed to the popular and semi-popular literature that indexes often include. Abstracts are the next logical step for a researcher who has consulted the indexes and obtained some general familiarity with his subject and is now ready to seek out more specific information in his subject area.

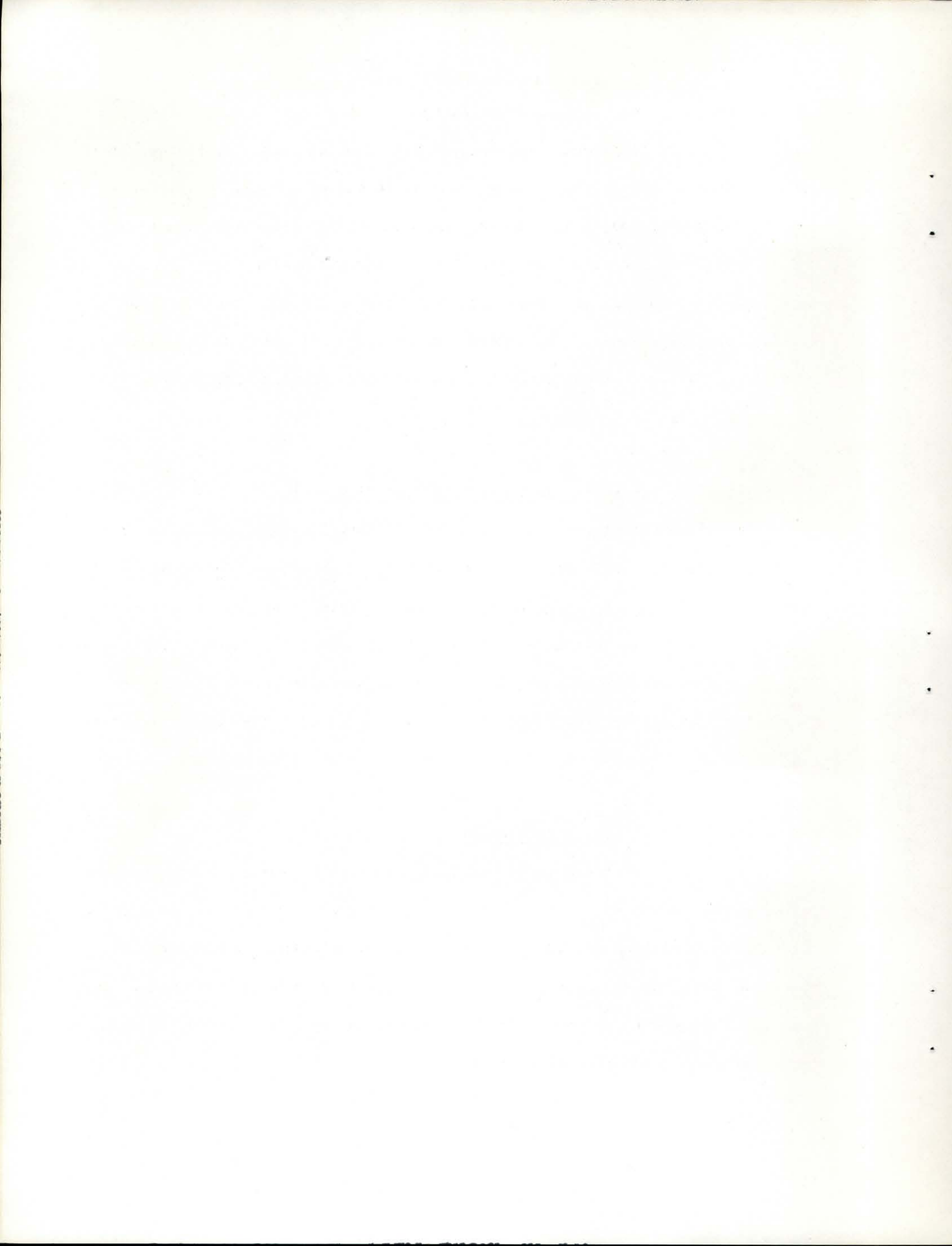
### C-1 Dissertation Abstracts (Ref. AS/30/D51 and D511)

An excellent listing of brief summaries of scholarly research conducted in all subject areas. Begin with the Comprehensive Dissertation Index, 1961-1972, which indexes Dissertation Abstracts by author, title, subject, and keyword. Only after 1972 do individual volumes need to be consulted. Lists most completed Ph.D. Dissertations. Should you desire a certain dissertation, it might be available through interlibrary loan; otherwise it is available through University Microfilms, in which case you will be charged for xeroxed pages.

### C-2 Psychological Abstracts (BF/1/P65)

A useful source of scholarly research summaries in human behavior, of use to the serious outdoor recreation student pursuing research in user-preference assessment, aesthetics and behavior, testing, psychological methodology, and other behavioral areas. Abstracts are of articles in technical journals. See especially these subject headings: "social psychology", "attitudes and opinions", and "groups and interpersonal processes."



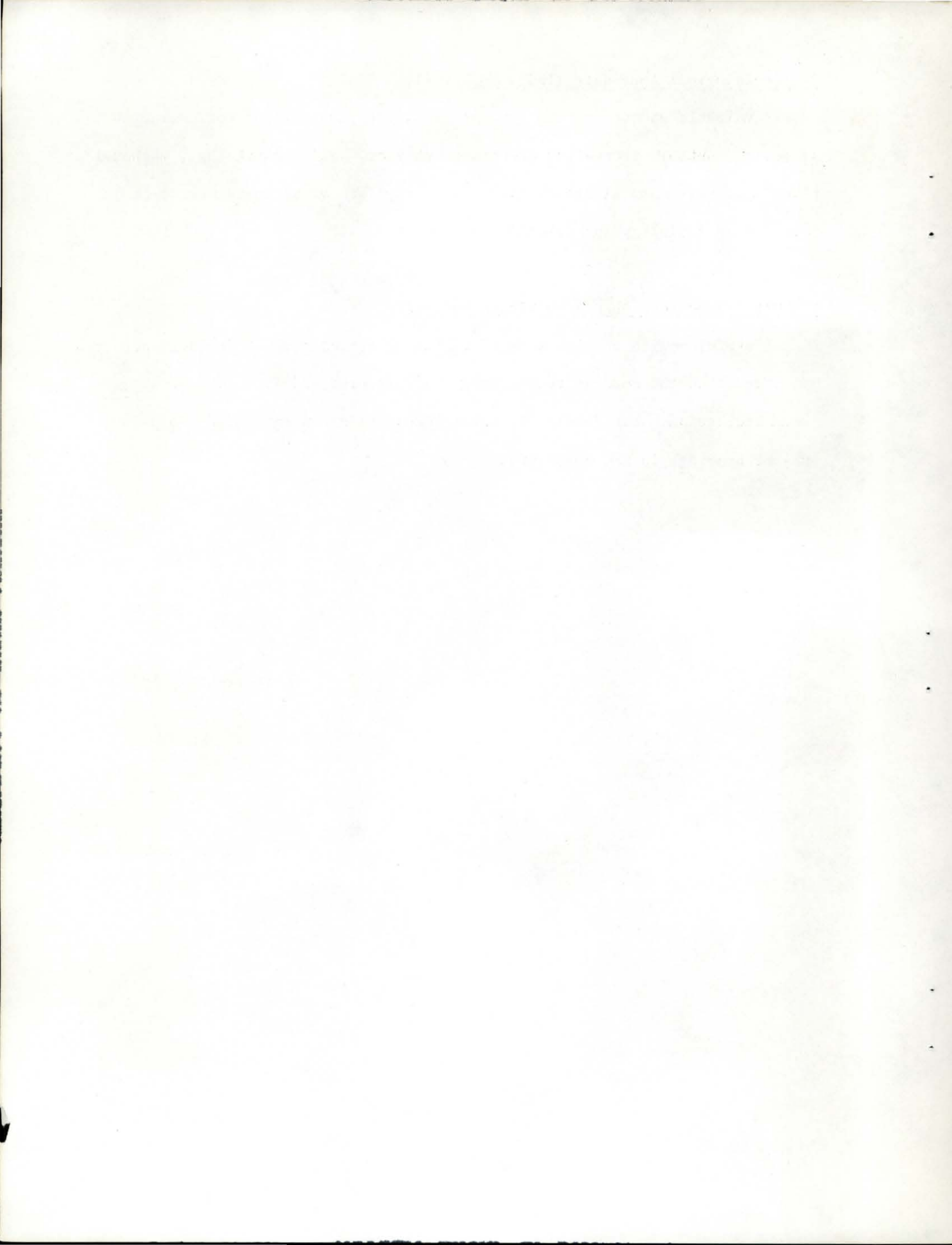


C-3 Sociological Abstracts (Index HM/1/S67)

A valuable source for the serious researcher in sociological areas, such as social control, recreation and group behavior, social-psychology, methodology, planning, environmental interaction. Abstracts are of technical articles in journals of sociology and related fields.

C-4 Water Resources Abstracts (Index TD/201/S4)

A useful source of abstracts of technical articles which include such areas of interest to the outdoor recreationist as planning and economics of water-based recreation. See "Field 06, Water Resources Planning" under the main subject headings in the Abstracts.



## Section D -- Miscellaneous

### D-1 Activity Magazines

The periodical matrix included in this guide (Section G) does not list any of the scores of recreation activity oriented magazines. Entire magazines are now aimed at specific activities, such as flying, boating, skiing, climbing, etc. Consult these when your research involves such an activity, bearing in mind that these magazines are popular and generally take a strong point of view toward promoting their activity. They are, obviously, clientele oriented.

### D-2 General References

The following general references will be useful in locating specific facts, people, programs, etc. related to outdoor recreation.

Bureau of Outdoor Recreation, A Catalog of Guides to Outdoor Recreation Areas & Facilities U.S. Dept. Interior, Wash., D.C. 1973.

Bureau of Outdoor Recreation, Digest, Federal Outdoor Recreation Programs & Recreation-Related Environmental Programs, U.S. Dept. Interior, Wash., D.C., 1973

Bureau of Outdoor Recreation, Selected Outdoor Recreation Statistics, 1971, U.S. Dept. Interior, Washington D.C., 1971.

Council on Environmental Quality, Environmental Quality, Annual Reports, Government Printing Offices, Wash., D.C., yearly. (An excellent annual overview of the status of environmental quality in America, including parks & recreation, and government programs concerned with resources and environmental management.)

Hawkins, D. E., editor, Recreation & Parks Yearbook, 1966, National Recreation and Park Assn., Wash., D.C., 1967. (A nationwide inventory of the public recreation & park services of local, state, and Federal agencies.)

National Recreation & Park Assn., Management Aid Bulletins, Wash., D.C., Continuing Series. (Bulletins of 40-60 pp. on variety of technical topics in outdoor recreation, e.g., marinas, interpretive programs, snowmobiling, campgrounds, etc. Almost 100 bulletins in print.)

National Recreation & Park Assn., Membership Directory 1969-70, NRPA, Wash., D.C., 1969. (Lists members of the N.R.P.A. at time of publication; addresses are also given.)

National Wildlife Federation, Conservation Directory, Wash., D.C., 1973. (A listing of organizations, agencies, and officials concerned with resource use and management. Revised yearly.)





### D-3 Curricula in Outdoor Recreation

Bachert, R. E., Directory of Degree Programs Related to Conservation, Ecology, Environmental Education, Outdoor Education, & Natural Resources, Conservation Education Assn., 1971.

National Recreation & Parks Assn., Directory of Professional Preparation Programs, NRPA, Wash., D.C., Revised, 1973.

### D-4 Agencies

The following is a very brief, selected listing of principal agencies concerned with outdoor recreation and resources management. Consult the Conservation Directory (D-2) for a more complete listing. These agencies publish a variety of literature dealing with recreation and resource management.

#### Federal

- Bureau of Land Management
- Bureau of Outdoor Recreation
- Bureau of Sports, Fisheries & Wildlife
- National Park Service
- U.S. Army Corps of Engineers
- U.S. Forest Service

#### State and Local

- County and Regional Park and Recreation Systems
- County, urban regional planning agencies
- State Departments of Wildlife & Conservation on Natural Resources
- State Planning Agencies
- State Park Systems
- Urban or Community Park & Recreation Departments

#### Private

- American Forestry Association
- American Assn. Health, Phys. Ed., and Recreation
- Assn. of Interpretive Naturalists
- Conservation Foundation
- National Audubon Society
- Nature Conservancy
- National Forest Recreation Assn.
- National Recreation and Parks Assn.
- National Wildlife Federation
- Resources for the Future, Inc.
- Sierra Club
- Society of American Foresters
- Wildlife Management Institute
- Wilderness Society



#### D-5 Current Legislation

The following sources are valuable to the researcher seeking information on status of proposed and pending legislation relative to outdoor recreation and resource management.

Audubon magazine (see Matrix) devotes a special section of each issue to environmental legislation.

Conservation Newsletter, published monthly by the National Wildlife Federation, covers legislation on environmental concerns.

Congressional Record, the actual record of proceedings on the floor of Congress is published daily and is a complete record of Federal legislation action. The Congressional Record includes a subject index.

National Wildlife magazine in its section, "Report to National Wildlife Federation Members", often deals with the current status of park and recreation legislation.

Washington Action Report, published bi-weekly by the National Recreation and Parks Association, is perhaps the most valuable compendium of legislation directly related to parks and recreation in America.





## Section E -- Conferences and Symposia

A number of outdoor recreation related conferences occur each year; others take place periodically at various intervals. These conferences and symposia are often valuable sources of information relating to the state of current philosophical thought in the field. Some new, technical information is introduced at certain conferences. Largely, they seem to be sounding boards on broad topics, such as: (1) the state of the art (2) current management problems (3) where do we go from here (4) new trends, etc. Recently, conferences have begun to address themselves to specific topics or themes, e.g., planning, interpretation, problems of leisure, etc. Conferences and symposia are listed by title in the library card catalog. A few pertinent conferences are indicated below.

Association of Interpretive Naturalists (annual conference)

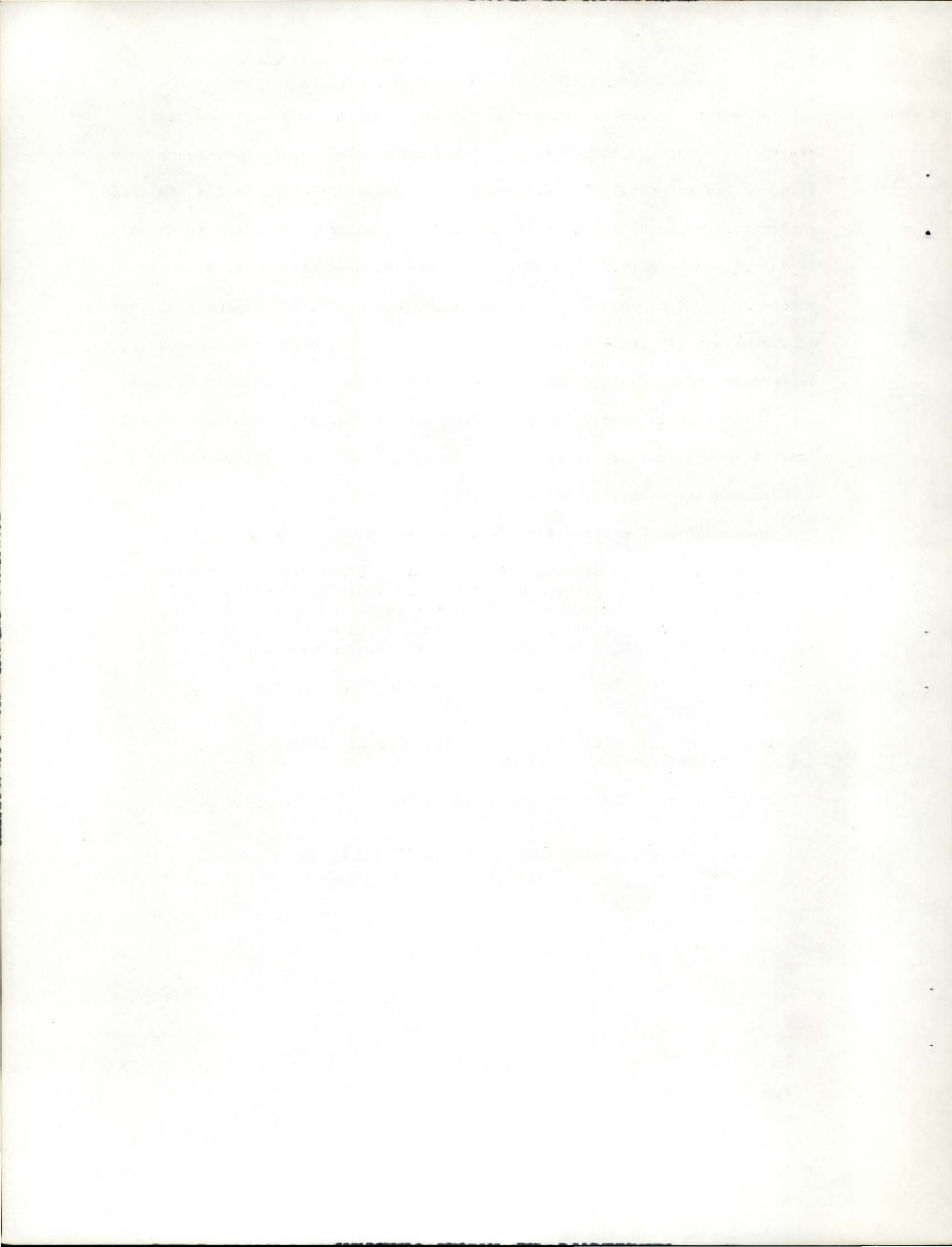
Forest Recreation Symposium (held at State University of New York College of Forestry, Syracuse, New York, 1971; produced Recreation Proceedings, published by Northeastern Forest Experiment Station, U.S.F.S., Upper Darby, Pa., 1971. This is an excellent compilation of current research and concerns in outdoor recreation.)

National Recreation and Parks Association (annual national and district conferences)

North American Wildlife and Natural Resources conference, Transactions (annual conference)

Rocky Mt. High Plains Park and Recreation conference, Colorado State University (annual)

World Conference on National Parks (1962, 1972, and as periodically convened)



## Section F --- Retrieval Systems

Retrieval Systems are basically indexes that are keyed to computers which in turn are banked with abstracts and information on indexed subjects. Each retrieval system has its own information emphasis area, and each recalls information in its own way, e.g., by subject heading from its index or by "key words" or "descriptors", e.g., "recreation vehicles", "campgrounds", "noise", etc. Retrieval systems are one of the sources the serious researcher consults before he satisfies himself that he has made a thorough review of the literature in his subject. Some retrieval systems are set up to give information on research in progress and the names and addresses of researchers involved. Some provide services free through educational institutions; others may charge \$50 or more for a complete computer read-out of stored data. Graduate students working on theses should seriously consider the use of retrieval systems. For more information on retrieval systems, talk to your university librarian.

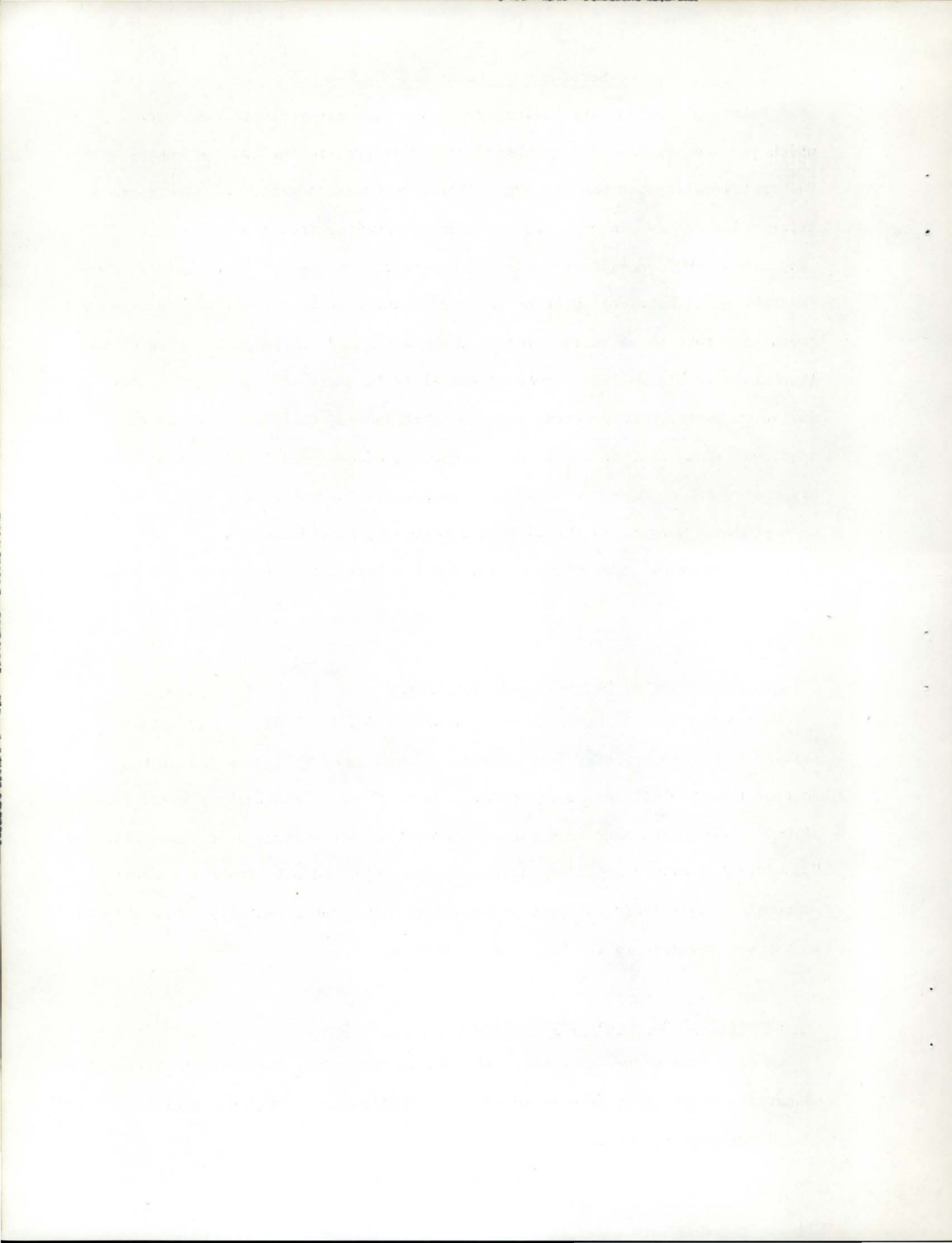
### F-1 Current Research Information System - CRIS

Sponsored by U.S. Department of Agriculture Service. Service is free to researchers in cooperating institutions. Consists of abstracts and status of current research with names of researchers involved. Data bank is based on 24,000 research projects from U.S. Department of Agriculture agencies (including U.S. Forest Service) and state institutions. A valuable source for outdoor recreation researchers and graduate students who might especially be interested in current research in the U.S. Forest Service.

### F-2 Educational Resources Information Center - ERIC

A retrieval system on topics relating to education, including environmental education. Service is free to educational institutions. Consult your university social sciences librarian.



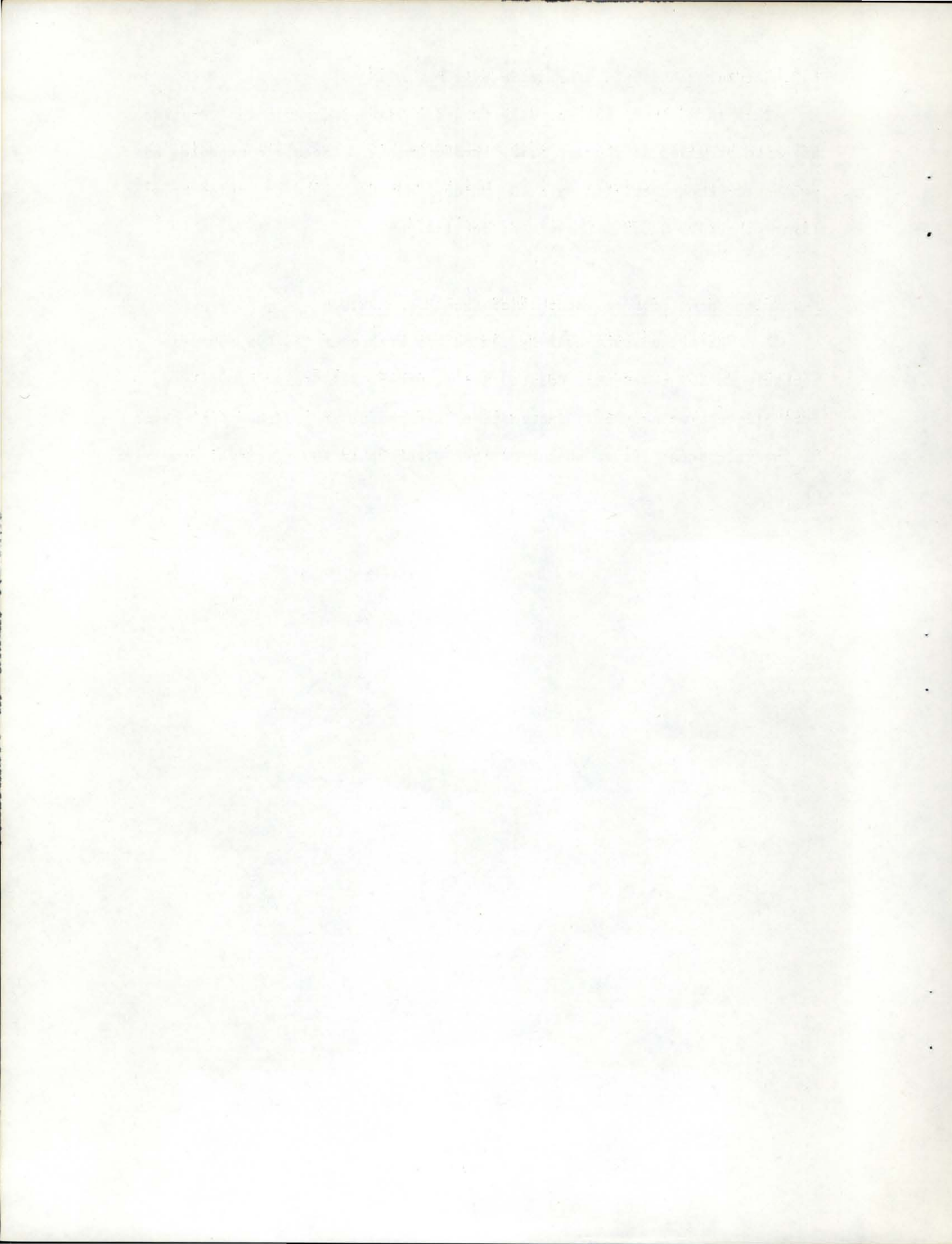


F-3 National Technical Information System - NTIS

This is an index to Federally funded studies and projects. Abstracts are also provided in regular NTIS "Announcements." Specific articles are requested, then retrieved by NTIS, which sends back xeroxed copies or microfilm. There is a small charge for duplication.

F-4 Smithsonian Science Information Exchange - SSIE

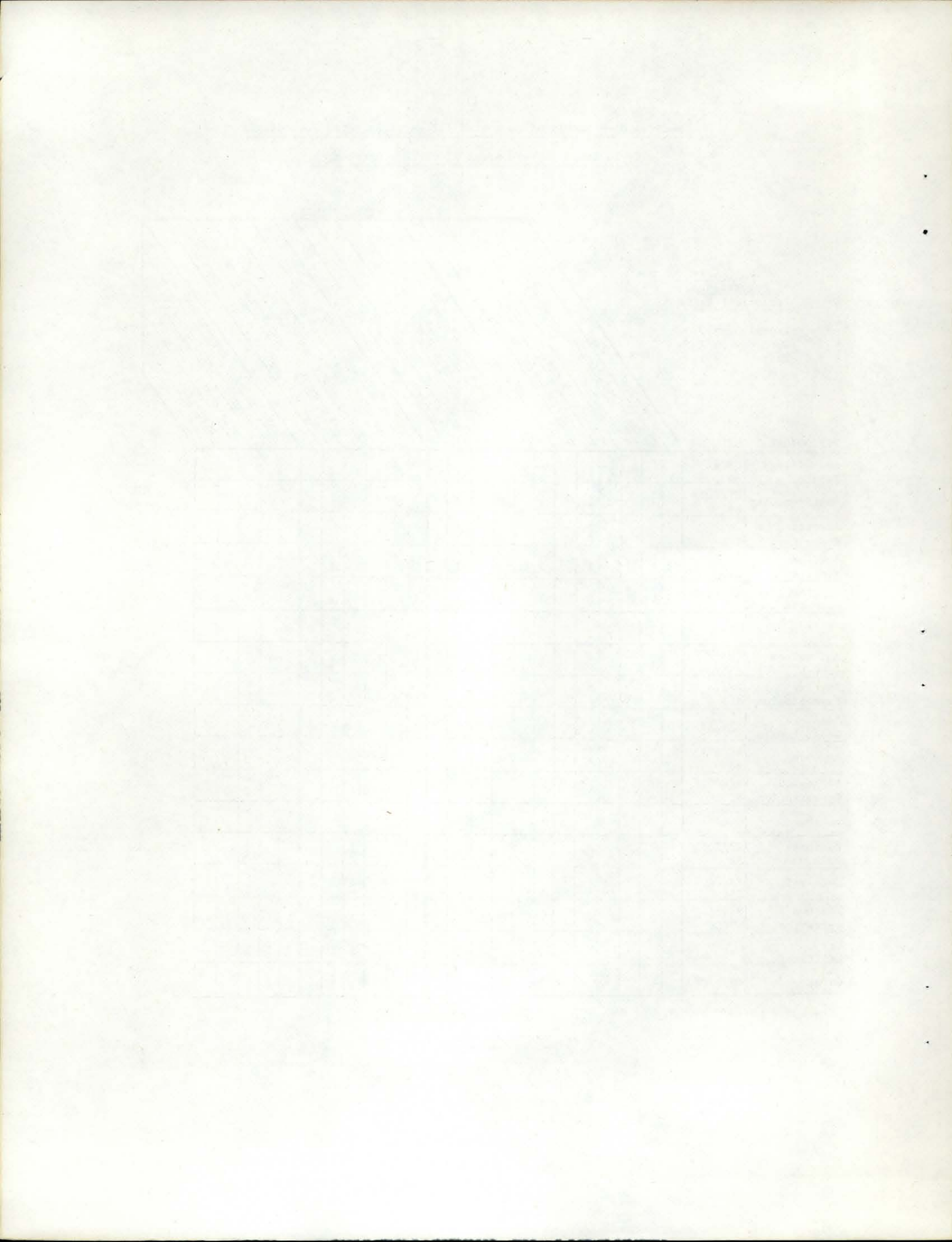
A computerized retrieval system backed with over 170,000 summaries of recently funded research. Updated daily, covers all fields of science, including social science. Information on research in progress with names of investigators. First search is \$50.00 for up to 100 retrieval summaries.



Section G -- Matrix of Suggested Values of Selected Periodicals  
in Broad Subject Areas of Outdoor Recreation

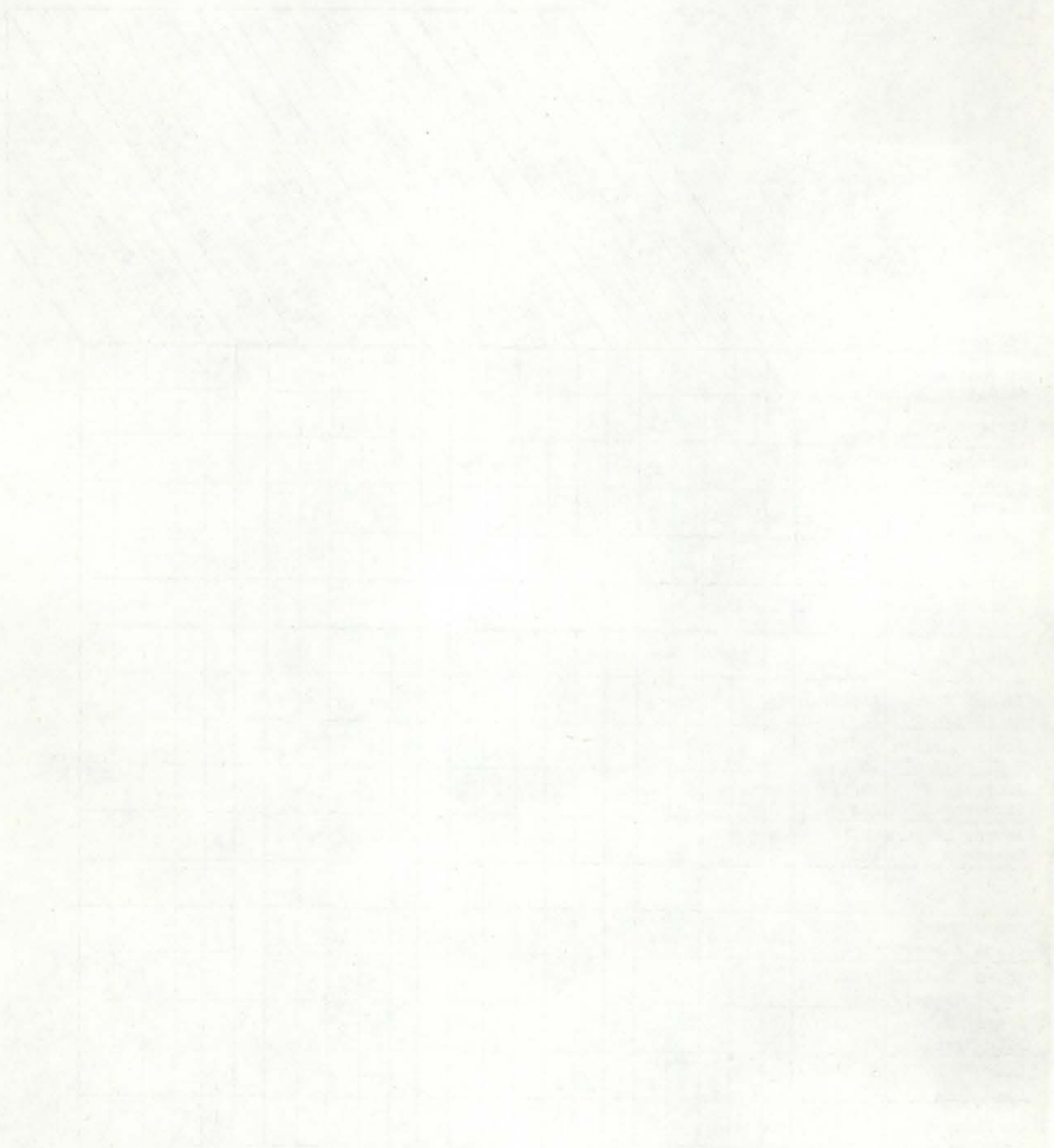
PERIODICAL	CALL NO.	SUBJECT AREA																
		Activities	Administration	Economics	Environmental Education	Environmental Impact	Facilities	Federal Agencies	Interpretation/Communications	Leisure	Planning	Professional Concerns	Research, Current	Research Methods	User Mgmt. and Protection	Urban Parks & Recreation	Visitor Protection & Characteristics	Wilderness
Am. Biology Teacher	QH/1/A4			2	1						2	1	1	2				1
American City	HT/101/A5	1	1		1		2		1	2					1			
American Econ. Rev.			3		1				1			1						
American Forests	SD/1/A45	1	2	1		2		1	3		1	2	2		3	1		1
Am. Inst. of Planners Jour.	NA/9000/A45	1	1	2		2	1		1	3		1	2	1	1	1	3	1
Am. Museum Journal	QH/1/N35		3		1			3				2	1			1		
American Psychologist	BF/1/A55									1			3	2		2		
Assn. Am. Geog. Annals	G/3/A7				1					1		3		1				
Audubon	AL/671/A8	2	1		1	3		3				1		3			2	3
Biological Conservation	S/9000/B53					3						2		1			2	3
Business Week	HF/5001/B9			3		1				1		1						
Catalyst	TA/1/C36				1	3		1		1				1			1	1
The Conservationist	S916/N7/C6				2	3		1	1	1		1		3		1	2	1
Cry California		1		1		3				3		1	1		2	1	2	2
Curator	QH/1/C8	3			1			3		3		3	3	1		2		





## Section G (cont.)

PERIODICAL	CALL NO.	SUBJECT AREA																	
		Activities	Administration	Economics	Environmental Education	Environmental Impact	Facilities	Federal Agencies	Interpretation/Communications	Leisure	Planning	Professional Concerns	Research, Current	Research Methods	User Mgmt. and Protection	Urban Parks & Recreation	Visitor Protection & Characteristics	Wilderness	Wildlife
Defenders of Wildlife	S/960/D43	2														1	1	3	
Environment	TD/1/E45			3	1					2	1							1	
Environment & Behavior	HM/206/A1/E5			2			1	3		2		3			2				
Env. Sci. & Technology	TD/1/E5		1	3	1					2	1								
Forest History	SD/1/F53	1	2		1		3			2	3								
Grist	SB/481/A1/P33		1				3									1			
Journ. Env. Education	S/900/J6	1	1	3	1			3	1			3	3	2	2		1		
Journ. Health P.E., & Rec.	GV/1/J6	3	2	1		2			3		1	3	1		1	2			
Journal of Forestry	SD/1/J63	1	1				3		1	2		1	3		1			1	1
Journ. Leisure Research	GV/1/J63	2				1		1	3	1		2	3	3	1	3	2	1	1
Journ. Marketing Research	HE/5415/A1/J6	1		2								3			2				
Journ. Soil & Water Conserv.	S/622/J65			1	3		3			2		2		3				2	1
Journ. Wildlife Mgmt.	SK/351/J75	1										3	2	1					3
Land Economics	HD/101/L3			3	1		1			1		2							
Landscape	NA/900/L35				1	3			2		2	2		1	1		3	1	





## Section G (cont.)

PERIODICAL	CALL NO.	SUBJECT AREA																	
		Activities	Administration	Economics	Environmental Education	Environmental Impact	Facilities	Federal Agencies	Interpretation/Communications	Leisure	Planning	Professional Concerns	Research, Current	Research Methods	User Mgmt. and Protection	Urban Parks & Recreation	Visitor Protection & Characteristics	Wilderness	Wildlife
Landscape Architecture	SB/469/L3			1	3			2	2	2	2	1		3	1				
Living Wilderness	QH/1/L58			1	2	3						1				3	2		
Museum News	AM/1/M65		2	2		2	3			3	2		1						
National Geographic	G/1/N3			1		1				1		1		1	1	2			
Nat'l Parks & Conservation	SB/481/A1/N3	1	1		1	3	3	1		1	1	3	1		2	3	3		
National Wildlife	S/960/N35	1		2	2							2				2	3		
Natural History	QH/1/N35			1						1	1				1	2			
Natural Resources Journ	S/900/N35		2	2		2		1		2	2					1			
Our Public Lands (BLM)	Docum. I53.12		2		1		3			1	1	3	1		2	1	1		
Outdoor America		3	1		1		1					3	1		1		3		
Park Maintenance			2			3				1					2	2			
Parks & Recreation	GV/421	3	2		1	3	2	1	3	1	2		1	1	3	2	1		
Public Works	TD/1/P8		2			3			1	1					1	1			
Soil Conservation	S/622/S6			3	3		3	1				1						1	
Therapeutic Rec. Journal	S/622/	3	2			2		3		3	1			3	2				



