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**INDEX
TO THE
PROCEEDINGS**

**TALL TIMBERS
FIRE ECOLOGY
CONFERENCE**

VOLUMES 1-15
1962-1976



USDA Forest Service
General Technical Report INT-87
Intermountain Forest and Range Experiment Station
U.S. Department of Agriculture, Forest Service

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INDEX TO THE PROCEEDINGS OF THE
TALL TIMBERS FIRE ECOLOGY CONFERENCES:
Numbers 1-15, 1962-1976

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RESEARCH SUMMARY

This report provides an index to the contents of the 15-volume Proceedings of the Tall Timbers Fire Ecology Conferences held annually from 1962-1974. All of the papers published in the Proceedings are listed by author, date, and title. The contents of these papers can be searched by using the five-part index provided--actually five separate indexes: the geographic area index; the natural resource area index; the vegetative type index; the subject index; and the plant and animal index.

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INTRODUCTION

The Station has as one of its primary interests the ecology of fire, including both basic research on the influence of fire on the environment and the application of fire in land management and in conservation generally. The purpose of these conferences is to bring together those individuals who are concerned with fire research, the application of controlled burning, and those active in the direction of the conservation and management of our natural resources. These conferences have promoted a better understanding of the use of fire and of its many ramifications in nature.

Fifteen Fire Ecology Conferences have been held. Their speakers and consequent *Proceedings* have brought international recognition to the Station. Scientists and investigators in many diverse fields (forestry, wildlife, agriculture, botany, zoology, geography, anthropology, etc.) have reported upon their studies and ideas. The speakers (more than 400) have come from all parts of the world (22 countries) and have represented government agencies, private industry, and both publicly and privately financed research institutions. The informality of these conferences, with their outdoor evening activities, has provided an ideal setting for much stimulating discussion. There is no doubt that these meetings have been imaginative, creative, educational, and scientific and have done much to stimulate research in *fire ecology* (words that were joined together for the first conference and are now universally recognized) and the use and management of fire. In fact, there is now a multitude of research projects on the subject regularly reported in standard scientific journals. Since the purpose of these conferences was to stimulate interest and research in this vital field, the Station has largely accomplished its original objectives.

(E. V. Komarek, Sr., 1977)

Tall Timbers Research Station is dedicated to a quest for ecological understanding. This quest has resulted in (among other things) the publication of the proceedings of the 15 annual fire ecology conferences referred to in the above excerpt from a review of the Station's first 17 years.

These proceedings contain 4,918 pages of fire ecology information. Unfortunately, as is the case with most conference proceedings, this information is not indexed for easy retrieval. Consequently, the information has not been used to its full potential.

The purpose of this publication is to provide an easy-to-use index to the contents of the 15-volume Proceedings of the Tall Timbers Fire Ecology Conferences. The author's primary concern is to help forest and range managers acquire the information they need to write ecologically sound fire use and fire management prescriptions and to better integrate fire considerations in land management planning.

The format of this index closely parallels the manner in which information is stored and retrieved by FIREBASE, the fire information segment of the computer-assisted Renewable Resources Technical Information System developed by the USDA Forest Service (Taylor and Eckels 1977).

List of Titles and Reference Numbers

The complete contents of the 15-volume Proceedings of Tall Timbers Fire Ecology Conferences are listed alphabetically by first author in the next section. A reference number precedes each title listed. This reference number is used to identify the title in the index that follows. A total of 314 titles are listed; consequently, the reference numbers run from 1 to 314.

The Indexes

The index is in five parts--actually five separate indexes. They are:

- Geographic area index
- Natural resource area index
- Vegetative type index
- Subject index
- Plant and animal index

The geographic area index follows the general format suggested by Lindler and others (1976) for FIREBASE. This index allows the user to search the proceedings for information pertaining to a specific country. Information pertaining to Canada and the United States is further identified by Province or State. The countries included in this index are listed as they appear in the proceedings. The user should be aware that the names of some of the countries have been changed in recent years.

The natural resource area index allows the user to search the proceedings for information that pertains to specific areas dedicated to renewable natural resource management, protection, or research. Among the areas included are national forest, grasslands, and parks, wildlife refuges, experimental forests and game ranges, U.S. Indian reservations, and state forests.

The vegetative types index allows the user to search for information relating to broad vegetative types such as desert, forest, grassland, prairie, savanna, shrubland, swamp, taiga, tundra, and veld. The forest type is further defined as conifer, hardwood, mixed, sclerophyll, and tropical.

The subject index allows the user to search for information dealing with specific fire and natural resource related subjects. The 143 subject matter keywords were selected from those developed by Eckels and others (1976) for FIREBASE.

The plant and animal index allows the user to search for information about specific biological organisms mentioned in the proceedings. Separate lists are provided for amphibians, reptiles, and fish; birds; insects; mammals; pathogens; and plants. All plants and animals are listed by genus and species. Common names are given only if they appeared in the proceedings.

Errors and Omissions

Much care was taken to make this index error-free. Errors may be discovered, nonetheless, especially in the spelling of scientific names. Some omissions in referencing may exist, although a serious attempt was made to be thorough.

How to Use this Index

This index is simple to use. The user should scan the different indexes and become familiar with the headings that are available to search under. To make a search, select the appropriate heading and note the reference numbers included under that heading. Use the reference numbers to identify the title of the article and the volume and page where it is located in the proceedings.

Several indexes can be used together to help eliminate unwanted references. For example, if information is desired on understory burning in coniferous forests of Montana, the subject index, the

vegetative type index, and the geographic area index can all be used to eliminate understory burning references that apply to non-coniferous forests or to areas other than Montana.

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