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# EARTH SURVEY BIBLIOGRAPHY

A KWIC INDEX OF REMOTE SENSING INFORMATION

WILLIAM I. THOMPSON, III

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Preface

I would like to thank Mr. Ira Jacobson\* and Mr. Glenn Larson\*\* of the former NASA Electronics Research Center in Cambridge, Massachusetts for the large number of documents they supplied and for their encouragement during the preparation of this bibliography.

Thanks also go to Mrs. Ruth Hunter of Service Technology Corporation in Cambridge, Massachusetts for her efforts in developing the computer programs needed to produce the Key-Word-in-Context (KWIC) index and the author index.

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## Earth Survey Bibliography;

### A KWIC Index of Remote Sensing Information\*

#### 1.0 INTRODUCTION

##### 1.1 General Description of Bibliography

This bibliography represents a collection of 1650 bibliographic citations gathered for use by the Earth Survey Office of the former NASA Electronics Research Center in Cambridge, Massachusetts. The scope is quite broad ranging from detailed technical articles on film selection to general discussions on the politics of earth survey operations. The KWIC Index was described by Luhn (ref. 1), has been used in several fields (ref. 2,3), and is a useful tool in locating specific information on a given subject.

This bibliography is intended to be used as a source document leading one quickly to specific information and also to sources of additional information. For example no bibliography listed in the present bibliography was searched. Thus by looking under the term bibliography in Section 4.0 one can locate specific additional bibliographies on specific areas. Likewise one can search the term review in Section 4.0 to find review articles on specific subjects.

\*Note: As this bibliography was going to print it was learned that the NASA has just published a very extensive bibliography on remote sensing of earth resources with indexes (ref. 5). That report should be obtained by anyone at all interested in this field.

The field of satellite meteorology was not searched in a definitive manner; however, material from the field was included as it pertained to the more general picture of earth survey.

Several information centers for remote sensing of information was located during the survey. Several are listed in Table I.

TABLE I. SOME INFORMATION RETRIEVAL CENTERS WHICH SPECIALIZE IN REMOTE SENSING MEASUREMENTS.

Center	Address
1. Recon Central	Air Force Avionics Laboratory Reconnaissance Division Wright-Patterson AFB OH 45433
2. Remote Sensing Oceanography Project - #658	Room 325 Teague Research Center Texas A&M University College Station, TX 77843
3. Center for Remote Sensing Information and Analysis	Willow Run Laboratories Institute of Science and Technology The Univ. of Michigan P.O. Box 618 Ann Arbor, MI 48107
4. Earth Resources Research Data Facility  Index in ES-431, Section 2.0	National Aeronautics and Space Administration Manned Spacecraft Center Houston, TX 77058

The bibliography is divided into three parts :

- (1) A listing of the bibliographic citations by local accession numbers (i.e. ES-XXXX), Section 2.0.
- (2) A key-word-in-context (KWIC) index sometimes known as a permuted title index, Section 4.0.
- (3) An author index, Section 5.0.

The local accession number listing (Section 2.0) gives the following information: local accession number in ascending order; names and initials of authors (up to 80 characters); year of publication; title (up to 180 characters); title of journal; volume number; inclusive page numbers; various document identification numbers (i.e. Nxx-xxxxx; AD xx-xxxxx; PB xxx-xxx; Axx-xxxxx; See Table II) if known; report number; contract number; corporate source; and location of corporate source.

A word should be given here about the title. In some cases the title was supplemented with certain key words. These are added after a colon after the title. For example ES-1078 has GEOLOGY after the title. These key words enrich the meaning of the title. It has been found that the longer the title the shorter the work and the shorter the title the longer the work. For instance most books have very concise titles and many journal articles have long titles to explain their specific content.

The key-word-in-context index or permuted title index (Section 4.0) is an arrangement of the title (or supplemented title) of the document such that a key word is printed out in the center of a page (See Section 4.0). The list of key words or prefixes is given on page 166.

The Author Index (Section 5.0) lists alphabetically all authors given in the Bibliography List by Accession Number (Section 2.0) along with the year of publication, the local accession number, and as much of the title as space permitted in this output format.

#### 1.2 Source of Documents

Most of the documents listed in this bibliography have a document identification number such as listed in Table II. In Table II these document identification numbers are related to the appropriate document handling centers. A revised discussion of public availability of documents is given in the Introduction to any Scientific and Technical Aerospace Reports (ref. 4) published after January 1970.

TABLE II.- SOURCES OF TECHNICAL INFORMATION WITH THEIR ACCESSION NUMBER SYMBOL OR ABBREVIATED TITLE

SYMBOL	SOURCE																																																						
AXX-XXXXX	International Aerospace Abstracts (IAA) (See Ref. 4) Published semimonthly by American Institute of Aeronautics and Astronautics, 750 Third Avenue, New York, NY 10017*																																																						
AD XXX-XXX ATI	<p>Defense Documentation Center (DDC), Cameron Station, Alexandria, VA 22314</p> <p>Channels and Forms for DDC Users to Order Copies of Technical Reports - 1 July 1968. For Hard Copies, as follows.</p> <table border="0" data-bbox="562 726 1774 858"> <thead> <tr> <th></th> <th style="text-align: center;">NO CHARGE Send DDC Form 1 To DDC</th> <th style="text-align: center;">SERVICE CHARGE Send CFSTI Order To CFSTI</th> </tr> </thead> <tbody> <tr> <td>DDC Catalogue Number Range</td> <td></td> <td></td> </tr> <tr> <td>AD-1 -199 999.....</td> <td>X</td> <td></td> </tr> <tr> <td>200 000 - 299 999.....</td> <td>X</td> <td></td> </tr> <tr> <td colspan="3">AD-300 000 Series</td> </tr> <tr> <td>300 000 - 361 514.....</td> <td>X</td> <td></td> </tr> <tr> <td>361 515 - 395 999.....</td> <td></td> <td>X</td> </tr> <tr> <td>396 000 - 396 999.....</td> <td>X</td> <td></td> </tr> <tr> <td>397 000 - 399 999.....</td> <td></td> <td>X</td> </tr> <tr> <td colspan="3">AD-400 000 Series</td> </tr> <tr> <td>400 000 - 464 929.....</td> <td>X</td> <td></td> </tr> <tr> <td>464 930 - 489 999.....</td> <td></td> <td>X</td> </tr> <tr> <td>490 000 - 492 999.....</td> <td>X</td> <td></td> </tr> <tr> <td>493 000 - 499 999.....</td> <td></td> <td>X</td> </tr> <tr> <td>AD-600 000 Series.....</td> <td></td> <td>X</td> </tr> <tr> <td>AD-800 000 Series.....</td> <td></td> <td>X</td> </tr> <tr> <td>DDC number Unknown.....</td> <td></td> <td>X</td> </tr> <tr> <td>Pre-AD (TIP &amp; ATI).....</td> <td>X</td> <td></td> </tr> </tbody> </table>		NO CHARGE Send DDC Form 1 To DDC	SERVICE CHARGE Send CFSTI Order To CFSTI	DDC Catalogue Number Range			AD-1 -199 999.....	X		200 000 - 299 999.....	X		AD-300 000 Series			300 000 - 361 514.....	X		361 515 - 395 999.....		X	396 000 - 396 999.....	X		397 000 - 399 999.....		X	AD-400 000 Series			400 000 - 464 929.....	X		464 930 - 489 999.....		X	490 000 - 492 999.....	X		493 000 - 499 999.....		X	AD-600 000 Series.....		X	AD-800 000 Series.....		X	DDC number Unknown.....		X	Pre-AD (TIP & ATI).....	X	
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TABLE II.- (Continued)

SYMBOL	SOURCE
CC or ISI	Current Contents - in such fields as: Engineering and Technology; Physical Sciences; A Service of the Institute for Scientific Information, 325 Chestnut St., Philadelphia, PA 19106. Original Article Tear Sheet Service (OATS).
CFSTI or PB XXX-XXX	Clearinghouse for Federal Scientific and Technical Information (CFSTI), National Bureau of Standards, Springfield, VA 22151.
NXX-XXXXX	Scientific and Technical Aerospace Reports (see Ref. 4). Published semimonthly by: NASA Scientific and Technical Information Facility, P.O. Box 33, College Park, MD 20740.*
Sm. Inst.	Publications Distribution Section, Editorial and Publications Division, Smithsonian Institution, Washington, DC 20560.
SOD (see Supt. Docs.) Supt. Docs. or SOD TIP (see AD)	Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.
Univ. Microfilms	University Microfilms, 300 N. Zeeb Road, Ann Arbor, MI 48106.
X00-00000	Unclassified report in the NASA Information System available to United States Government Agencies and United States Government Contractors only  Commissioner of Patents, Washington, DC 20231, (\$0.50 for each patent).

\*Note: The symbol # following the accession number indicates that the document is available in microfiche form.

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