NASA TECH BRIEF

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JPKWIC: General Key Word in Context and Subject Index Report Generator

JPKWIC is a computer program specifically developed to help nonprogrammers and nontechnical personnel to use the computer to access files, libraries, and mass documentation.

A Keyword in Context (KWIC) Index is referred to generally as a dissemination index rather than a retrieval index. However, KWIC recently has been found to be just as effective as other classification schemes in retrieving information with subject headings and standard descriptors. This program is designed to produce five basic reports.

1. *KWIC Index*—The process of generating a KWIC index is applied to sentences (usually titles) in which all nonsignificant (excluded) words are ignored and the remaining significant words, called keywords are put into a fixed position within the title or sentence and arranged in alphabetic order.

2. *Subject Index*—This index consists of a keyword or subject word not part of the title used as another means of classifying and retrieving an item.

3. *Edit Report*—The purpose of the edit report is to provide a record of errors in input data.

4. *Summary Report*—The purpose of the summary report is to provide the user with a permanent record of the exact report request made for a given output as well as provide the capability to summarize a certain reference.

5. *Exclusion List*—The list consists of words too general to be useful for retrieval purposes and are therefore prevented from index. The list is provided when a gross modification of the exclusion words is contemplated.

Notes:

1. The program is written in COBOL for use on the IBM 7040/7094 Direct Couple System.

2. The program should be very useful for the quick preparation of bibliographies, abstracts, and other documents.

3. Inquiries concerning this program may be made to:
   COSMIC
   Computer Center
   University of Georgia
   Athens, Georgia 30601
   Reference: B68-10208

Patent status:

No patent action is contemplated by NASA.

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