

PACKAGE ID - 000772IBMPC00 RNS

KWIC TITLE - Research Notes and Information References

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LIMITATION CODE -UNL **AUDIENCE CODE** - UNL

COMPLETION DATE - 03/01/1990 **PUBLICATION DATE** - 05/01/1988

DESCRIPTION - The RNS (Research Notes System) is a set of programs and databases designed to aid the research worker in gathering, maintaining, and using notes taken from the literature. The sources for the notes can be books, journal articles, reports, private conversations, conference papers, audiovisuals, etc. The system ties the databases together in a relational structure, thus eliminating data redundancy while providing full access to all the information. The programs provide the means for access and data entry in a way that reduces the key-entry burden for the user. Each note has several data fields. Included are the text of the note, the subject classification (for retrieval), and the reference identification data. These data are divided into four databases: Document data - title, author, publisher, etc., fields to identify the article within the document; Note data - text and page of the note; Subject data - subject categories to ensure uniform spelling for searches. Additionally, there are subsidiary files used by the system, including database index and temporary work files. The system provides multiple access routes to the notes, both structurally (access method) and topically (through cross-indexing). Output may be directed to a printer or saved as a file for input to word processing software.

PACKAGE CONTENTS - NESC Note 90-44; Software Abstract; ORNL/DSRD/TM-11; ORNL/DSRD/TM-18; Media Includes Source Code, Database Files, Machine Readable Documentation, Control Information;

SOURCE CODE INCLUDED? - Yes

MEDIA QUANTITY - 1 5.25 Diskette

METHOD OF SOLUTION - The RNS uses the commercial dBASE III Plus database command language and database management system as its basis. This makes it possible for computer-sophisticated users to write their own retrieval reports for specialized uses. The system allows the user to classify each note as belonging to up to three categories within a user-defined set.

COMPUTER - IBM PC

OPERATING SYSTEMS - DOS 3.xx

PROGRAMMING LANGUAGES - dBASE III Plus

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SOFTWARE LIMITATIONS - Maximum of 9,999,999 documents, 9,999,999 articles, 9,999,999 notes, 9,999,999 subjects, and 3 subjects per note. Notes consist of three lines of 80 characters each. However, to accommodate the times when longer notes are needed, there is a facility for extended notes.

SOURCE CODE AVAILABLE (Y/N) - Y

RELATED SOFTWARE - This release of RNS is identified as v154.

OTHER PROG/OPER SYS INFO - The proprietary Ashton-Tate dBASE III Plus database management software is required; this software is not included.

HARDWARE REQS - RNS requires minimally an IBM PC or compatible computer with 512 Kbytes of memory, two flexible disk cartridge drives, monochrome or color monitor, and a printer. However, an IBM PC/AT or compatible computer with 640 Kbytes, a hard disk, CGA or better color monitor, and a printer that will operate using the IBM Graphics Printer; set-up codes are recommended. Other printers can impose restrictions on the print-size option.

REFERENCES - Dean S. Hartley III, Computr-Aided Research, ORNL/DSRD/TM-11, March 1988; Dean S. Hartley III, Users Manual for the Research Notes System (Version 1.5), ORNL/DSRD/TM-18, May 1988.

ABSTRACT STATUS - Released AS-IS December 27, 1994.

SUBJECT CLASS CODE - M

KEYWORDS -

COMPUTER PROGRAM DOCUMENTATION
R CODES
INFORMATION RETRIEVAL
DATA BASE MANAGEMENT
IBM COMPUTERS
PERSONAL COMPUTERS

EDB SUBJECT CATEGORIES -
990200 990302

SPONSOR - DOD

PACKAGE TYPE - AS - IS