

ARCHIVING CRATERING AND EJECTA IN THE DATA ARCHIVAL AND RETRIEVAL ENHANCEMENT (DARE) SYSTEM

SCHUSTER,S.H.

The Defense Special Weapons Agency (DSWA) has committed substantial resources to develop the Data Archival and Retrieval Enhancement (DARE) system. In basic terms, DARE is a sophisticated, comprehensive, electronic library. Its purpose is to serve as a major data management program designed to preserve and permit use of DSWA's weapons effects data bases. Particular emphasis is placed on preserving the data that were accumulated while participating in the various nuclear test operations. Since DARE is designed to operate in an Internet-type environment, considerable attention is being devoted to the accumulation, formatting, manipulation, archival, and retrieval of numerous different types of data bases.

As a test effort, cratering and ejecta data for four events (TEAPOT ESS, JANGLE S & U, and MISTY PICTURE) have been entered into the DARE system. Examples of the types of cratering and ejecta data included in DARE, along with some of the problems associated with preserving these and similar data sets, will be discussed.