Recommended Key Words for Undersea and Hyperbaric Medical Literature

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BACKGROUND

In 2005, The Undersea and Hyperbaric Medical Society (UHMS) relocated their collection of scientific literature to the Duke Medical Center Library and Archives with the library providing reference and document delivery services to Society members. The collection consists of government documents from around the world, reprints of articles, original manuscripts, images, books, journals, and other materials relating to diving and hyperbaric medicine. The library has established guidelines for adding the materials to its collections and has developed creative ways for making hundreds of print reports accessible through the web. Archives received collections of papers from key society leaders, as well as major figures in the field, and has created web-based finding aids providing access to these unique resources. In order to ensure better information retrieval and indexing of these resources, a new set of keywords was established for the collection.

COLLABORATION

A collaborative effort has been made by the Duke Medical Center Library and Archives (MCL&A) and the Rubicon Foundation, Inc. to show a rapid growth in accessibility to UHMS collection holdings.

METHODS

•Keyword sets are established through a process of compiling the available terms for a given topic and merging like terms until one set of all inclusive terms has been established. These terms should allow for easier retrieval of the source material.
•For the field of diving and hyperbaric medicine, the initial list was compiled from the indices of Bennett and Elliott’s The Physiology and Medicine of Diving 5th edition edited by Brubakk and Neuman, Deeper Into Diving 2nd edition by Lippmann and Mitchell, and Hyperbaric Medicine and Practice 2nd edition by Kindwall, Wound Care Practice edited by Sheffied, Smith, and Fife.
•The current list of keywords is 484. The headings were selected by using the Library of Congress (LC) and Medical Subject Heading (MeSH) subject headings.

DISCUSSION

•We are presenting our proposed keyword list for Undersea and Hyperbaric Medicine. This list should be used for the indexing of new items introduced to the field and applied to older parts of the collection.
•The list is available on request from Virginia Carden, MLS, Duke MCL&A.

DUKE MEDICAL CENTER & ARCHIVES

The MCL&A has integrated materials into collections, made searchable in the online catalog, and created MeSH and LC headings.
•UHMS Contract with MCL&A
  •Annual fee to provide services to members
  •Single library contact person
  •Virginia Carden, MLS, carde009@mc.duke.edu, 919-660-1184
•In-depth reference assistance
•Photocopy services – online requests
•Manuscript collections
•Archival processing and preservation
•Creation of Web-based finding aids
•Duke MedSpace – DSpace platform
  •Technical and government reports, hyperbaric journals, theses, workshop, materials
•Creation of thesaurus – expert folksonomy
•MeSH and LC controlled vocabulary
•Extensive reprint file
•Removed duplicates, cataloged reports
•Removed materials already in Duke libraries

RUBICON FOUNDATION, INC

The Rubicon Foundation, Inc. is a 501(c)(3) organization.
•Rubicon Research Repository Project
  •Digital repository of literature, Dspace platform, over 3800 items
•UHMS Journals
  •Undersea Biomedical Research
  •Journal of Hyperbaric Medicine
  •Undersea and Hyperbaric Medicine
•UHMS Annual Meeting Abstracts
  •Being added by volunteers
•Naval Technical Reports
  •Defence R&D Canada
  •Naval Experimental Diving Unit
  •Naval Medical Research Center
  •Naval Submarine Medical Research Laboratory
  •Office of Naval Research
•American Academy of Underwater Sciences (AAUS)
•Workshops and proceedings
•Divers Alert Network (DAN)
•Accident and Fatality Reports
•Archive Project - Digitization and Preservation
  •UHMS Workshops
  •Underwater Medicine & Related Sciences
  •Hyperbaric Oxygen Review
  •Oral History
  •CAPT WF Searle, Jr