A new way to retrieve old critical information

TRAIL

Technical Report Archive and Image Library

Patricia E. Kirkwood
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Special Libraries Association, DBIO Poster Session, Denver, 2007
Biological weapons, atomic clock settings, and the effects of atomic testing -- old news that never dies. This is just part of the information that can be gleaned from technical report literature published prior to 1980. The Greater Western Library Alliance (GWLA) in association with the Center for Research Libraries (CRL) is digitizing important report series from this literature. A database has been developed that includes important Atomic Energy Commission (AEC) reports as well as the National Bureau of Standards (NBS) monograph series. We will continue to add report series during the next few years. TRAIL will become an excellent resource for both historical data as well as current access to the grey literature of science -- technical reports. This project will not only improve the access to technical reports and insure preservation (upon approval from appropriate governmental institutions), it will enable libraries to repurpose the space presently being used to house large paper, microfiche and microcard collections.

Photo used with permission - http://www.roscoseq.net/Atomic_Bomb1.jpg
Company C of the 231 U. S. Army Engineer Combat Battalion at Yucca Flats, Nevada. Date unknown
The Project

- A pilot project to ascertain both the practicality of and impediments to digitizing and making openly available selected (primarily) pre-1975 U.S. government agency technical reports.
- A task force, established in 2006, has selected parameters to avoid duplication of the digitization efforts that have been undertaken by federal agencies.
- Task force members are contacting and endeavoring to work closely and cooperatively with the agencies whose publications are being considered for digitization.
The People

The GWLA Federal Technical Reports Task Force

Maliaca Oxnam, Chair (University of Arizona)
Tim Byrne (University of Colorado)
Mel DeSart (University of Washington)
Patricia Kirkwood (University of Arkansas)
Daureen Nesdill (University of Utah)
John Saylor (Cornell University)
Bob Schwarzwalder (University of Hawaii)
Donna Swischer (Linda Hall Library)
Melissa Trevvett, liaison (Center for Research Libraries)
Alice Trussell (Kansas State University)
The site

http://digicoll.manoa.hawaii.edu/techreports/index.php
ADVANCED SEARCH

Select your criteria to find reports.

- Title contains [ ] AND [ ]
- Title contains [ ] AND [ ]
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- Report Number contains [ ]
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- Date contains [ ]
- Issuing Agency contains [ ]

[Search] [Basic Search]
BROWSE TECHNICAL REPORT ARCHIVE AND IMAGE LIBRARY BY:

- Title (182)
- Author (125)
- Report Number (204)
- Document Type (2)
- Date (162)
- Issuing Agency (9)
- Performing Organization (20)
- Other Report ID (61)
- Recently Added (207)
Bibliography of Temperature Measurement: July 1960 to December 1962
Halpern, Carl

ABSCISSAS AND WEIGHTS FOR GAUSSIAN QUADRATURE FOR N = 2 to 100, and N = 125, 150, 175, and 200
Love, Carl H.

AEC Group Shelter
Holmes and Narver, Inc.

Aerial Radiological Monitoring System: I. Theoretical Analysis, Design, and Operation of a Revised System
Merian, R.F.

Aerial Radiological Monitoring System: Part II. Performance, Calibration, and Operational Check-Out of the EGG ARMS-II Revised System
Hand, J.E.

Aerial Radiological Monitoring System: Part III. Electronic Processing of ARMS-II Data
Hand, J.E.
A computer program for calculating neutron interaction between cylindrical storage containers

By: Stephen Lanes
Theodore Manzberg

February 1963

Health and Safety Laboratory
New York Operations Office
New York City, New York

United States Atomic Energy Commission - Division of Technical Information

Title: Computer Program for Calculating Neutron Interaction Between Cylindrical Storage Containers
Author: Lanes, Stephen
Additional Author: Rosenberg, Theodore

Date: 1963-02

Link to Full Report:

Pages in PDF: 44

Document Type: AEC
Performing Organization: Health and Safety Laboratory

Report Number: HASL-126
SUDDOC: Y 3. At 7:22
Series: Health and Safety Laboratory (HASL)

Abstract: [view full text]
TECHNICAL REPORT ARCHIVE AND IMAGE LIBRARY

How to get Involved
If your institution might be or definitely is interested in this project, please supply us with contact information (name and e-mail address) for the most appropriate person or persons at your institution to contact about this project in the future.
We very much appreciate your feedback. Please email Alice Trussell at alitrus@ksu.edu

Pilot currently contains the following report series:
NBS Monograph Series—Major contributions to the technical literature on various subjects related to the National Bureau of Standards and published between 1959 and 1982. These detailed reports include materials data, mathematical functions, time series, diffraction patterns, measurements, standards, methods and much more. Most of the data provided is from direct measurements. This series of technical reports is highly referenced with more than 2000 citations found in Web of Science alone. More information can be found at the National Institute of Standards and Technology) web site http://nist.gov/.

Related Links

NIST Virtual Museum

GWLA

The Center for Research Libraries

STATISTICS:
Total reports in database: 207
Total fulltexts in database: 130
Total images in database: 416
### Cost Model Summary

<table>
<thead>
<tr>
<th>Phase</th>
<th>Digitization Goal (pgs)</th>
<th>Total 3 Year Cost</th>
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<tr>
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<td></td>
<td>3 Million</td>
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<tr>
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</tbody>
</table>
Old data can inform new research

Lasers are a key ingredient of atomic clocks---both the ordinary and entangled variety.
Old data -- new uses?

Evacuation versus shelter protection factors
Martin, J.A., Jr. (US Nucl. Regulatory Commission, Washington, DC, USA)
ISSN: 0003-018X CODEN: TANSAO
Conference: 1990 Annual Meeting of the American Nuclear Society (papers in summary form only received), 10-14 June 1990, Nashville, TN, USA
Country of publication: USA

Abstract: According to a US Nuclear Regulatory Commission staff training manual, in the event of a general emergency, the immediate evacuation of areas in the near vicinity (~3 to 5 km (~2 to 3 miles)) of an operating nuclear power plant would be warranted, preferably as a precautionary measure before major containment failure, if any. A general emergency should be keyed primarily to core-melt accident sequences, so it is highly unlikely. Nevertheless, should such a situation ever arise, there exists the possibility that people could be evacuating when, for whatever reason, the containment structure could be breached and evacuees could then be overtaken by a large, puff release. The question arises: would the early evacuees be better off being inside a shelter, rather than outside traveling in the plume? This paper sheds some light on this question and provides some important scoping answers (4 refs.)

Inspec controlled terms: accidents - fission reactor safety - radiation protection - safety

Classification Code: A2844 Fission reactor protection systems, safety and accidents - A2880F Radiation monitoring and radiation protection in nuclear engineering

Date: 1962-02
Pages in PDF: 48