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Vice President's Column:

By Linda Musser

The plans for this year's activities are moving forward and will include events throughout the year as well as at the GSA annual meeting in Denver and online, October 9-12. We are contemplating moving the business meeting and vendor presentations online to allow for broader involvement and interaction. These sessions could be scheduled outside of the annual meeting, allowing meeting attendees to focus on the scientific program and networking activities. On-site attendees can still interact with vendors in the exhibit hall to explore specific concerns and questions. We hope to fit the GSIS events at Denver into two days, thus improving affordability for those who choose to attend in person. We are planning a field trip and other social events and hope members will choose to attend - and network!

Lisa Dunn is organizing the GSA technical session related to geoscience information. The abstract submission period is now open and we encourage our members to submit an abstract for an oral or poster presentation. While there is a submission fee, the Executive Committee

will be discussing reimbursement of the fee for members, as well as other forms of support. More information about the meeting is available at the [GSA annual meeting website](#). The technical session details are listed below. As described by Lisa, this session is designed to facilitate sharing strategies to *address the changing information landscape, its interdisciplinary nature, and its connections*, including — discovery and accessibility; digital resources; impacts of Open Access (OA) and Open Educational Resources (OER); new technologies; and the challenges to traditional ways of managing, creating and making accessible geoscience information.

T172. Geoscience Information: Innovation and Applications in a Changing Landscape (52771)

The evolving information environment presents challenges for those managing, creating, and accessing geoscience information. How are we innovating, developing agile strategies, re-thinking boundaries, exploring applications, forming new partnerships? Share your ideas, best practices and outcomes. *[Continued on page 3]*

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[Continued from page 1, Vice President's Column]

The GSIS will host a variety of webinars this year, the first of which will be held May 18, 2022 from 1:15-2:15 (Eastern time). Sharon Tahirkheli will provide an update on GeoRef followed by Lisa Dunn, who will share insights and host a Q&A about the professional benefits of participating in a GSA technical session. Let me know your suggestions for future webinars – invite publishers? Have a mapping update (NGMD, etc.)? Topical discussion? My email is: lindamusser@psu.edu.

Newsletter Content Wanted:

By Amanda Bielskas and Monica Pereira

We have had a great suggestion from GSIS President Monica Pereira. She thought it would be great if we could add a couple of new sections to the newsletter in the future and we would be happy to, but we need content from our members. In future issues we welcome content for our 2 new sections:

Movin' & Shakin' (aka Member news) – Will focus on sharing member publications, job changes, position switches, additions to members' families (e.g. new offspring/grand offspring), retirements, etc. Photos, web links and press releases all welcome!

GeoWonders - Would include, in color where possible or applicable, geological formations visited, what's so fantastic about them, etc. Could expand to include astrophotography, and wonders of the sky (e.g. sun dogs), travel & vacation photos or other Geo related news or events.

We hope that the inclusion of these new sections will help to celebrate members whether on a personal or academic level (Movin' & Shakin') and provide a focus on geologic, climatic, and other formations or occurrences that would elicit interest and further reading



Movin' & Shakin' (aka Member news): Congratulations to Mea Warren, one our PAM colleagues and UNC-CH alums, being selected as a Fellow in the ARL Leadership and Career Development Program for 2022-23.



GSIS Needs you!

Committee volunteers have been beating down the doors to serve on the following committees. There is still a little door left for you to beat on. 😊 Consider volunteering some of your time to one of the following committees. It is not onerous, and it is networking opportunity as well as service to the profession.

1. **Best Paper Award Committee** (2-4 members) - Determine the winner of the *Best Paper Award*.
2. **Mary B. Ansari Distinguished Service Award Committee** (1-2 members) - Determine the winner of the *Mary B. Ansari Distinguished Service Award*.
3. **Guidebooks Committee** (1 member) - Determine the winner of the *Best Guidebook Award*, and the *Outstanding Geologic Field Trip Guidebook Series Award*.
4. **Mary B. Ansari Best Research Resource Committee** (1-3 members) - Determine the winner of the *Mary B. Ansari Best Reference Work Award*.

Committees 1, 3, and 4 introduce a wide range of research in the earth sciences, which may be purposed for sharing, subject guides, collection building and so on. They will require some squirreling around looking for likely candidates. It's actually quite fun.

Committee 2 introduces you to the movers and shakers in the geoinformation science profession.

Please respond to me or Jenna Thompson [jennat@sfu.ca] with the committee(s) of interest. The committees will be scooting along in their work this month.

Thank you for volunteering! Monica Pereira, GSIS President

GSIS Facebook



GSIS has reinvigorated our Facebook page. Please join us in sharing informal and casual geoscience related information and join the conversation.

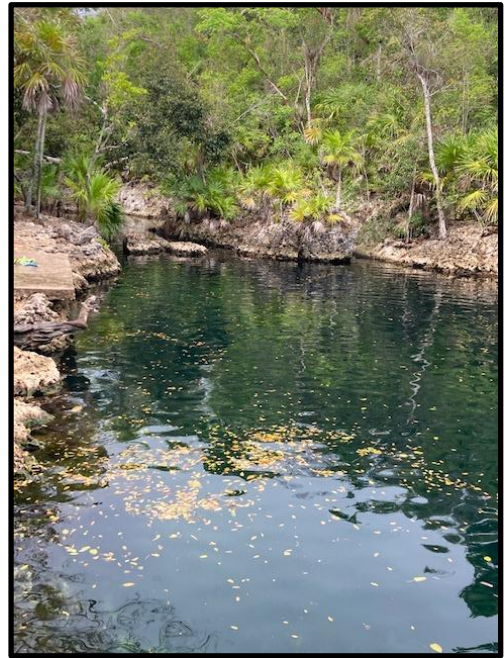
GeoWonders

By Amanda Bielskas

This April I was able to Cuba for the first time, it was primarily a birding trip, but I also got to see a bunch of interesting Geology. Cuba is the largest island in the Greater Antilles and it has many interesting Geologic features.

Below: A fossil clam at the side of the road in the Zapata region.

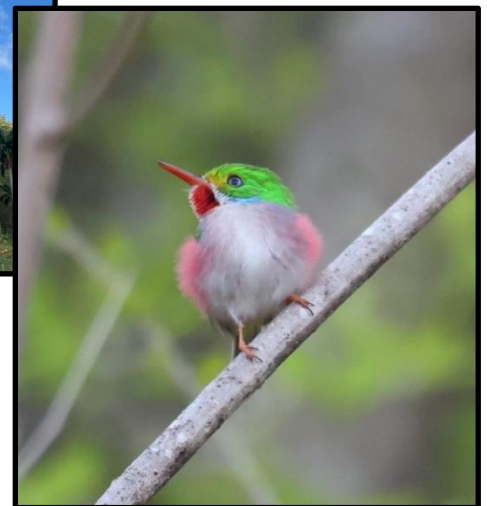
Right: Cueva de los Peces (fish cave) a natural swimming hole with, you guessed it, fish!



Below (left & center): Views of Vinales National Park, Pinar del Rio region. The area features many limestone mountains/formations and lots of caves.



Below (right): The Cuban Tody, arguably the cutest bird in Cuba!



Author Index to the GSIS Proceedings:

By Linda Musser

An author index to the Proceedings of the Geoscience Information Society is now linked from the Proceedings page. If you find any errors, please let Linda Musser know.

<http://www.geoinfo.org/author-index-to-the-proceedings-of-the-geoscience-information-society-v-1-46/>



Geoscience Librarianship 101:

Save the date for Geoscience Librarianship 101, a two-day free virtual seminar on November 1-2, 2022, sponsored by the Geoscience Information Society. There will be topics like Collection Development to get a new geoscience information professional started, and current topics like Open Educational Resources for both new and experienced professionals. We are also looking to add a couple additional topics to the seminar this year. If you would like to participate, please contact either Clara McLeod (cpmcleod@wustl.edu) or Stephanie Earls (stephanie.earls@dnr.wa.gov) with potential topics.



Geoscience Information Society Webinar:

When: May 18, 2022 01:15 PM Eastern Time (US and Canada)

Topic: **GSIS webinar - GeoRef and GSA**

The Geoscience Information Society will host a webinar on May 18, 2022 from 1:15-2:15 (Eastern time). Sharon Tahirkheli from the American Geosciences Institute will provide an update on GeoRef followed by Lisa Dunn, from the Colorado School of Mines, who will share insights and host a Q&A about the professional benefits of participating in a Geological Society of America meeting and technical sessions.

We hope to see you there!

Linda Musser, GSIS Vice President

Please click the link to join the webinar:

<https://psu.zoom.us/j/92534175456?pwd=L2ZWQkRxTEFTa0p0dGJDOHNTS2k3UT09>

Passcode: 133066

Or One tap mobile : US: +13017158592,,92534175456#,,,,*133066# or
+13126266799,,92534175456#,,,,*133066#

Or Telephone: Dial (for higher quality, dial a number based on your current location):

US: +1 301 715 8592 or +1 312 626 6799 or +1 646 876 9923 or +1 253 215 8782 or +1 346 248
7799 or +1 669 900 6833

Webinar ID: 925 3417 5456

Passcode: 133066

International numbers available: <https://psu.zoom.us/j/apJ4ZLZYF>

GSA Topical Session, for the Annual Meeting in Denver, 2022

By Lisa Dunn

Please consider submitting an abstract for our proposed Topical Session at the GSA Annual Meeting in Denver this year. Topical sessions are a great way to learn, grow professionally, and connect with your colleagues. Our [draft] proposed session is:

Geoscience Information: Innovation and Applications in a Changing Landscape

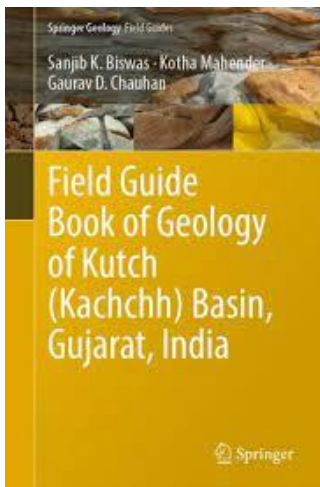
The evolving information environment presents challenges for those managing, creating, and accessing geoscience information. How are we innovating, developing agile strategies, re-thinking boundaries, exploring applications, forming new partnerships? Share your ideas, best practices and outcomes.

This session is designed to facilitate sharing strategies for addressing the changing information landscape, its interdisciplinary nature, and its connections, including—discovery and accessibility; digital resources; impacts of Open Access (OA) and Open Educational Resources (OER); new technologies; and the challenges to traditional ways of managing, creating and making accessible geoscience information.

Submission deadlines to follow. **GSIS will reimburse abstract submission fees.** Please contact Lisa Dunn, ldunn@mines.edu, if you'd like to submit an abstract, have ideas to explore, or want to learn more about our session.

New Geology Guidebooks:

By Linda Musser

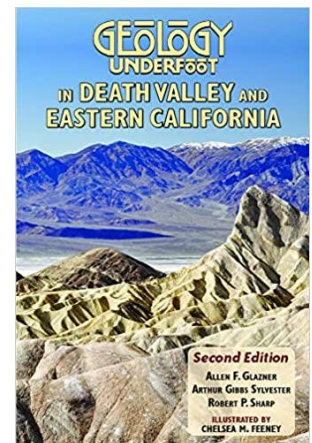


Field guide book of geology of Kutch (Kachchh) Basin, Gujarat, India. Springer, 2022.

Chicago in stone and clay: an exploration in architectural geology. Northern Illinois University Press, 2022.

Geology underfoot in Death Valley and eastern California. Mountain Press, 2022

Geology underfoot in Colorado's western slope. Mountain Press, 2022.



New Geoscience Open Access Publications & OA News

By Shaun Hardy, Carnegie Institution for Science



ES³: Earth Science, Systems and Society

Website:

<https://www.escubed.org/journals/earth-science-systems-and-society>

Earth Science, Systems and Society (“ES Cubed”) is a new gold OA journal from the Geological Society of London, published in cooperation with Frontiers Media. It publishes “timely and topical research of high importance across the breadth of the geosciences” with a focus on “cross-disciplinary research that showcases the relevance of geoscience to sustainability in society.” Invited topics range from climate change, hazards, and geohealth to big data and geoscience communication. Nine articles have been published since the journal’s debut in October of last year. Content is published under a Creative Commons Attribution 4.0 license. APCs vary according to the type of article: \$1000 for an editorial or letter, \$1500 for a perspective, and \$1950 for original research or a review. The journal is waiving APCs on all submissions through July.

New study of predatory journals and conferences:

In March the InterAcademy Partnership (IAP) – a global consortium of more than 140 academies of sciences, engineering, and medicine – published the results of a two-year, exhaustive study of an unfortunate consequence of the open access movement: the proliferation of predatory journals and conferences (*Combating Predatory Academic Journals and Conferences*, IAP, March 2022, <https://www.interacademies.org/project/predatorypublishing>).

The study examined publishing and meeting organizing practices that are “motivated by

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profit rather than scholarship, soliciting articles and abstracts from researchers through actions that exploit the pressure on researchers to publish and present their work to their peers.” Currently some 15,500 journals are generally recognized as “predatory.” While there has been little research on predatory conferences, it has been suggested that they may actually outnumber legitimate ones.

The report concedes that the distinction between reputable (if questionable or unethical) and predatory journals is becoming increasingly blurry and instead of rigid definitions it presents a spectrum or typology of markers that characterize “fraudulent,” “deceptive,” “low-quality,” and “questionable” practices. Such markers include:

- rapid pay-to-publish or pay-to-present models without rigorous (or even any) peer review
- fake editorial boards falsely listing respected scientists
- fraudulent impact factors or metrics
- journal and conference titles that are deceptively similar to those of legitimate ones
- paid review articles that promote fake science
- aggressive spam invitations to solicit articles and abstracts

In addition to providing authors with tools to help them make informed decisions on where (and where not) to publish the report also identifies the systemic drivers and root causes of predatory practices and offers specific recommendations to each stakeholder community – researchers, publishers, institutions, libraries, and funders – for mitigating them.

Call for AESE Award Nominations

It's time to nominate noteworthy publications and exceptional individuals in publishing for the annual Association of Earth Science Editors awards. The deadline for submitting nominations is May 15, 2022. Winners will be announced in fall 2022.

The awards committee looks forward to receiving nominations for three awards:

AESE Award for Outstanding Editorial or Publishing Contribution

This award recognizes outstanding contributions and achievements in editing or publishing that stimulate new or greatly improved accomplishments in teaching, research, and applications in Earth Science. Editorial and publishing contributions can include writing, editing, publishing, and editorial management.

AESE Lifetime Honor Award

This award is given in recognition of (1) a career of continuous contributions to Earth Science editing or publishing or (2) contributions to AESE through service in office or on committees. Only current and former members of AESE are eligible for this award.

AESE Award for Outstanding Publication (published January 1, 2019, through December 31, 2021, only)

This award recognizes a recently published earth science publication that demonstrates outstanding editing, design, illustration, writing, effectiveness of production cost, and overall effectiveness in achieving its publication goal. Awards are given under three publication categories:

1. Book (printed, PDF file, or print-on-demand; may include a journal)
2. Map or poster (printed, PDF file, or print-on-demand; may include a journal)
3. Electronic media (web-based publication, interactive online product, e-book)

The following guidelines for this award are new as of January 2022:

1. Entries are limited to one per organization or individual per category.
2. There are three categories: (1) book (printed, PDF file, or print-on-demand), (2) map or poster (printed, PDF file, or print-on-demand), and (3) electronic media (e-book, web page, interactive online product).
3. Any version of a publication can be submitted, but later versions or editions of that publication will not be eligible for an award in the future.
4. Book entries are limited to 500 pages, cover to cover.
5. Print-on-demand books must be submitted as both a PDF file and printed version.
6. All parts of the entry form must be filled out, or the entry will be disqualified.

For instructions, entry forms, and more information, please visit

<http://www.aese.org/shell.html?page=awards&menu=1>.

USGS and Colorado School of Mines Partnership—FYI

Summary by Lisa Dunn

Here is a selection of press releases related to the partnership between the USGS and Mines that centers around a proposed joint-use building that will include sections of the USGS-Denver office currently located in Lakewood about 9 miles east of Golden.

With the Bipartisan Infrastructure Bill now funding this project, we can expect to house a larger contingent of the USGS on the Mines campus. (The USGS' Geologic Hazards Science Center is currently located on the Mines campus.) Selected research/academic programs at Mines will share the building; the goal is to encourage collaboration and innovation.

<https://www.usgs.gov/news/state-news-release/us-geological-survey-and-colorado-school-mines-announce-long-term>

U.S. Geological Survey and Colorado School of Mines announce long-term partnership

By [Communications and Publishing](#) October 22, 2018

CSM to be new home of USGS labs, 150 government scientists

https://www.hickenlooper.senate.gov/press_releases/hickenlooper-secretary-haaland-colorado-delegation-announce-investment-in-new-usgs-building-on-school-of-mines-campus/

Hickenlooper, Secretary Haaland, Colorado Delegation Announce Investment in New USGS Building on School of Mines Campus, Feb 18, 2022

Funding is allocated through the Bipartisan Infrastructure Bill for USGS energy and mineral research

[HTTPS://WWW.MINESNEWSROOM.COM/NEWS/COLORADO-SCHOOL-MINES-WELCOMES-NEW-USGS-FACILITY-FUNDED-BIPARTISAN-INFRASTRUCTURE-LAW](https://www.minesnewsroom.com/news/colorado-school-mines-welcomes-new-usgs-facility-funded-bipartisan-infrastructure-law)

FEBRUARY 18, 2022 BY EMILIE RUSCH

Colorado School of Mines welcomes new USGS facility funded by Bipartisan Infrastructure Law

<https://www.doi.gov/pressreleases/secretary-haaland-colorado-leaders-announce-bipartisan-infrastructure-law-funding>

Secretary Haaland, Colorado Leaders Announce Bipartisan Infrastructure Law Funding to Build New USGS Research Building

Facility will bolster capabilities in critical minerals, energy resource evaluation and other essential energy and mineral program priorities

<https://interiornewswire.com/stories/620997801-doi-announces-167-million-to-support-usgs-research-facilities-in-colorado>

DOI announces \$167 million to support USGS research facilities in Colorado

U.S. Department of Interior

LETTER TO THE EDITOR, By [Bob Martin](#) Feb 28, 2022

Technical Reports in the Repository: Syncing a unique grey literature collection in multiple Columbia University Library systems

By: Amanda S Bielskas, Director of Science, Engineering and Social Science Libraries;
Emily Holmes, Director, Preservation; Esther M. Jackson, Scholarly Communication Technologies Librarian; Melanie Wacker, Metadata Coordinator; Jeremiah Mercurio, Head, Humanities & History / Interim Director of Digital Scholarship

Columbia University Libraries has a robust digitization program that aims to preserve fragile collections and to increase their accessibility and discoverability. The Lamont Doherty Earth Observatory (LDEO) Technical Reports, a set of scientific reports dating from 1949 to 2003, are a [grey-literature](#) collection representing a unique set of materials that encapsulates important ecological research that remains pertinent to our current understanding of climate change. To digitize this collection, our team had to adapt existing libraries workflows to accommodate a new data source and this specific physical collection. LDEO is an active Library user community and partner, and digitizing this collection was a great opportunity for collaboration. Therefore, a cross-departmental team of 21 people at Columbia University Libraries set out to creatively adapt existing workflows and to digitize 298 of these technical papers comprising 32,597 pages and including 151 foldouts of various sizes, for the purpose of sharing them openly with the public through a suite of collections-based websites. Metadata was already largely available for these works through WorldCat (a union catalog that includes records from many libraries around the world) and for this reason the team devised a workflow that enabled the team to reuse that existing MARC metadata and at the same time increase access and visibility of these resources by making them digitally available through [WorldCat](#), [HathiTrust](#), [CLIO](#) (Columbia's local integrated library system [ILS]), [Internet Archive](#) (IA), and [Academic Commons](#) (AC), Columbia University's digital repository.

The goals of this project were to:

- Unhide/make items discoverable in CLIO and WorldCat
- Provide long term preservation of the intellectual content of the documents
- Determine where/how to host items (Academic Commons, IA, Hathi)
- Clarify duplication policy (if items were hosted in multiple locations)
- Collaborate with the University on the [Year of Water](#) (2020)

The project team adapted existing workflows for this project, which included digitization of the original print reports, cataloging of the physical and digital copies, and dynamically crosswalking (via HySync, an internal application) the MARC metadata from the ILS to a MODS-based format in Academic Commons, where the reports were assigned DOIs and made available for download.

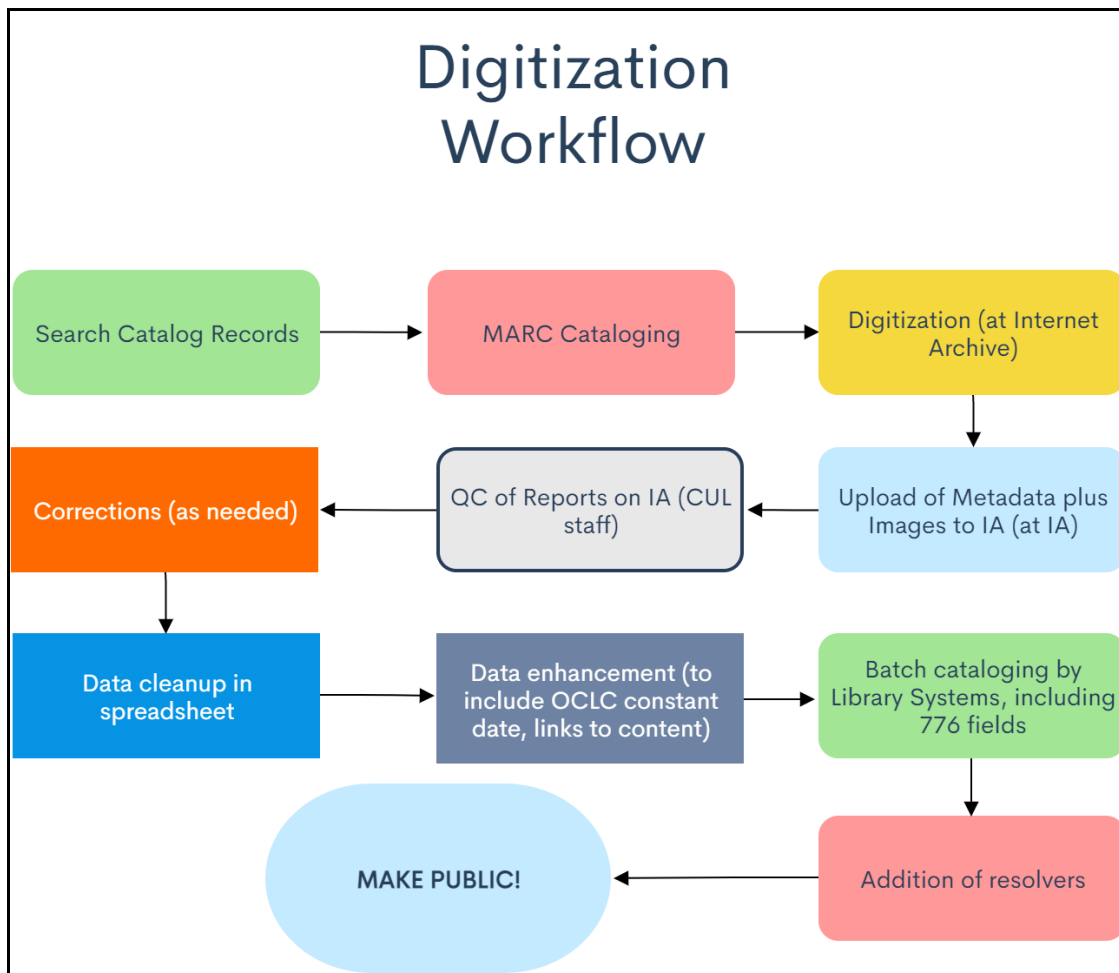
The LDEO Technical Reports were essentially a hidden collection, as most of the material was not in Columbia's local catalog. The Technical Reports were published in-house at Lamont and captured and documented the scientific data that was collected on the research cruises and expeditions. These reports were often required to partially satisfy funding agencies reporting requirements, and they document the expedition objectives, present the data that was collected, and the methods used in the collection. The reports often include: maps, charts, and tabular and other displayed data, including foldouts and additional sheets of varying dimensions. Some of the reports were created in conjunction

with government agencies. This collection had not been collected, cataloged, or digitized systematically, and was at risk for loss without the Libraries' intervention..

| | | |
|-----|-----|---|
| 100 | 1 | Costin, Michael. |
| 245 | 1 0 | Dye diffusion experiments on the Great Bahama Bank / Ꞇc prepared by Michael Costin. |
| 260 | | Palisades, N.Y. : Ꞇb Lamont Geological Observatory, Columbia University, Ꞇc 1963. |
| 300 | | 13 pages : Ꞇb illustrations, charts, plates ; Ꞇc 28 cm |
| 336 | | text Ꞇb txt Ꞇ2 rdacontent |
| 337 | | unmediated Ꞇb n Ꞇ2 rdamedia |
| 338 | | volume Ꞇb nc Ꞇ2 rdacarrier |
| 500 | | "Technical report no. CU-6-63 to the Atomic Energy Commission Contract AT(30-1)2663." |
| 500 | | "December, 1963." |
| 504 | | Includes bibliographical references (page 13). |
| 650 | 0 | Diffusion in hydrology. |

An image of a MARC record for one of the LDEO Technical Reports.

At Columbia University Libraries, the regular cataloging workflow for Academic Commons (AC) is independent from the general cataloging departments, which follow widely accepted library cataloging standards such as Resource, Description & Access (RDA) and use Library of Congress Name Authority (LC/NAF) access points. AC cataloging is done under the supervision of AC staff and follows more local guidelines or those in line with other research repositories. AC cataloging uses a MODS-based schema and a locally-created cataloging application called Hyacinth, which handles digital assets across many units of the Libraries. However, during the project planning process, we realized that while we had owned the original physical reports for a while, not all had been added to the Columbia University Library's catalog, CLIO. The cataloging department set to work and downloaded all existing MARC records into our local catalog and also created original MARC records for the reports that had not yet been cataloged by another institution.



The digitization workflow used for the LDEO Technical Reports.

Once cataloging of the original materials was complete, the Preservation Division gathered this dataset into a CSV manifest, which was sent to Internet Archive (IA) in Princeton, NJ. The pamphlets were organized into labeled folders corresponding to item-level metadata on the CSV. IA scanned and uploaded the materials, along with MARC metadata extracted via [Z39.50](#). 100% quality control of both metadata and page images was done in the Preservation Division, who then requested any necessary corrections be made at IA. After corrections were made, staff cleaned up the CSV file, now populated with IA links, and sent it, along with the appropriate [OCLC](#) template fields for e-books, to Library Systems, who cataloged all as a batch and added the URL resolvers. Resolvers simplify link maintenance, for example when a domain name changes or when it is necessary to redirect users to the proxy server for licenced e-resources. They then sent the full list to the Digital Scholarship department, which downloaded the PDFs directly from IA.

1. **Dye diffusion experiments on the Great Bahama Bank**

Author Costin, Michael
 Published Palisades, N.Y. : Lamont Geological Observatory, Columbia University, 1963.
 Location For Offsite CU-6-63
 Format  Book

2. **Dye diffusion experiments on the Great Bahama Bank**

Author Costin, Michael
 Published Palisades, N.Y. : Lamont Geological Observatory, Columbia University, 1963.
 Online  <http://www.columbia.edu/cgi-bin/cul/resolve?clio14910002>
 Format  Book,  Online

An example of records for two copies of a work, one physical, and one digital.

| Hyacinth element name | default mapping | mapping = Ideotechnical (note: first char is lower) |
|------------------------|--|---|
| note-1:note_value | 540 \$a | skip |
| | | default mapping |
| | | AND |
| | 830 \$a \$n \$p / If there is no 830, but a 490 with first indicator 0 use that field's \$a value instead | always add an additional series with title "LDEO Technical Reports" |
| series-1:series_title | | |
| series-1:series_number | 830 \$v | default |
| series-1:series_issn | 830 \$x | default |
| | | always true (for default series and always-added "LDEO Technical |

An excerpt from the HySync mapping spreadsheet which illustrates relationships between MARC fields and Hyacinth element names.

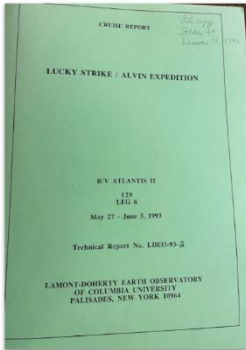
We then had metadata for all digitized reports in the MARC-based catalog, but the project's overriding goal was to provide access to the digitized reports through Academic Commons, which uses the MODS metadata schema, and not MARC. We needed to move the metadata from one system to the other without any re-keying. The Libraries frequently reuses MARC data for other digital projects, and a mapping table and script already existed for those projects; however, this was the first time that we had to employ a crosswalk of this kind for Academic Commons, so both the mapping and the script had to be adjusted. The image above shows a small part of the mapping for Voyager (MARC) to Hyacinth. It also illustrates one of the biggest issues that had to be overcome. The MARC cataloging is based on national and international standards that were designed to facilitate data exchange between libraries;

therefore, we try not to diverge from those standards when we create records in OCLC. Academic Commons, however, can't utilize the information contained in external [authority records](#) in the same way that the other Libraries' discovery systems can. Consequently, AC can't rely on updates to those external authority records to keep fields—such as the name of the publisher series—up to date and to pull variant series names together under one set of records. To get around this issue, the Libraries' development team (DIAG) created a workaround that hard-codes an additional local series title into the conversion from MARC to MODS. This functionality has proved useful for the Lamont Technical Reports series, which has in fact changed names many times over the course of its existence.


| Descriptive Metadata | |
|----------------------|---|
| Title | |
| Non-Sort Portion | The |
| Sort Portion | "T" phase of shallow-focus earthquakes |
| Name 1 | |
| Value | Tolstoy, Ivan, 1923- |
| Primary? | true |
| Role 1 | |
| Value | author |
| Name 2 | |
| Value | Ewing, W. Maurice (William Maurice), 1906-1974 |
| Role 1 | |
| Value | author |
| Name 3 | |
| Value | Press, Frank, 1924- |
| Role 1 | |
| Value | author |
| Name 4 | |
| Value | Columbia University. Lamont-Doherty Earth Observatory |

A record in Hyacinth, generated by HySync from the Voyager MARC record.


Display of Materials



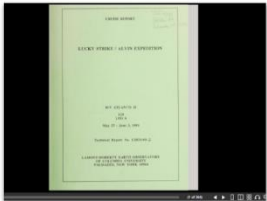
Physical Item



In HathiTrust



In Academic Commons (IR)



In Internet Archive

The different ways an item is accessible to the public as digital facsimiles in HathiTrust, Academic Commons, and Internet Archive.

Beyond the immediate success of making the LDEO Technical Reports widely available to the public on many different Libraries platforms, this project has been successful in other ways. This workflow has been used with success to digitize other collections that are physically similar (for example, pamphlet-like collections that had already been cataloged in CLIO). Additionally, this project can now be given as an example to campus partners who may be holding similar ephemeral grey-literature collections that could be preserved and made more accessible in Academic Commons.

The project has also led to enhancements to Academic Commons as a system. We now have ways to indicate related items through our MODS templating, and we plan to add links from Academic Commons to records in CLIO and IA to indicate for users and indexes, like Google Scholar, that these works are the versions of each other. We also hope to use the HySync application in a project to connect Dryad Data to Academic Commons.

From when the project concluded until September of 2020, until the end of March 2022, the items have been viewed more than 10,000 times [in Internet Archive](#), from patrons all over the world, including the United States, Japan, Australia, China, the United Kingdom, and Canada. [In Academic Commons](#), the reports have been viewed more than 5,000 times, and downloaded more than 13,000 times. In the Internet Archive collection, the most popular report is [Updated position and ice velocity for the AIDJEX manned camps. volume 1. 11 April 1975 to 17 October 1975](#). The most popular report in Academic Commons is [Arctic Ice Dynamics Joint Experiment 1975-1976 : physical oceanography data report : profiling current meter data](#).

While we cannot say at this juncture exactly how these reports are being used, it seems reasonable to assume that some of the reports are being used in relation to current climate change research, a usage that we are excited to have helped facilitate.

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