

Inside Science Resources in Retrospective – 2015 – 2020

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This blog is published by the Science Resources: Discovery & Access Committee of the Association of College and Research Libraries (ACRL), Science and Technology Section (STS).

The purpose of this report is threefold: 1. To summarize the production of the committee since its beginning in April of 2015; 2. To give credit to all the contributors for their excellent work in identifying resources of value to the STEM community; and 3. To provide an easy index for all the contributions made. A total of 63 contributions have been published in this blog, which have been written by 30 of our STS colleagues.

This is the list of contributions, with direct link to their blog post:

- [**Helioviewer.org**](#), Sara Russell Gonzalez.
- [**scite.ai**](#), Megan Wilson.
- [**DataONE: a brief overview**](#), Meredith Ayers.
- [**Retraction Watch**](#), Daniel G. Kipnis.
- [**Free Resources for Teaching Science Online**](#), Laura Palumbo.
- [**\(More\) Citizen Science Resources**](#), Anne Marie Engelsen.
- [**Native Plants of North America Database**](#), Melissa Gold.
- [**TeachEngineering**](#), Sara Russell Gonzalez.
- [**ADS Astrophysics Data System**](#), Sara Russell Gonzalez.
- [**ZoteroBib: A New Citation Generator from Zotero**](#), Anne Marie Engelsen.
- [**GEN: Genetic Engineering & Biotechnology News**](#), Louise Deis.
- [**TRAIL: The Technical Report Archive and Image Library**](#), Mel DeSart.
- [**NYPL Digital Collections: Classic Illustrated Zoologies and Related Works 1550-1900**](#), Gavin Paul.
- [**protocols.io**](#), Megan Wilson.
- [**MatWeb: a free online resource for material properties**](#), Graham Sherriff.
- [**NSIDC Glacier Photograph Collection**](#), Emily Dommermuth.
- [**ClinicalTrials.gov**](#), Eric Snajdr.
- [**Science Cinema**](#), Megan Wilson.

- [Unity – A Game Engine for Virtual Reality](#), Samuel Putnam.
- [Identifying Mystery Pills with Pillbox](#), Emily Gorman.
- [Zooniverse – A Citizen Science Directory](#), Laura Palumbo.
- [5 Levels of Science Communication by Wired](#), Gavin Paul.
- [National Oceanic and Atmospheric Administration \(NOAA\)](#), Louise Deis.
- [Latest Thinking](#), Samuel Putnam.
- [Mathematics Genealogy Project](#), Emily Gari.
- [Free \(and sometimes overlooked\) Chemistry Resources](#), Laura Palumbo
- [The Open Access Directory](#), Eric Snajdr.
- [FDA Drug Information Resources](#), Emily Gorman
- [The Linda Hall Library](#), Isabel Altamirano.
- [Understanding LaTeX](#), Ana Torres.
- [Navigating PubChem](#), Sarah Jeong.
- [Lesser-known Public Health Resources](#), Michael Goates.
- [Web-based Molecular Biology Tools](#), Greg Nelson.
- [re3data.org: Registry of Research Data Repositories](#), Samuel R. Putnam.
- [Look to the Stars: History of Astronomy Collections from Adler Planetarium](#), Emily Gorman.
- [STEM Preprint Repositories: Where Are They Now?](#) Emily Gari.
- [The Encyclopedia of Life is 10 years old!](#) Louise F. Deis.
- [Index-Cat](#), Isabel M. Altamirano.
- [NCBI Bioinformatics Tools: Protein, BLAST, COBALT, and Cn3D Structure Viewer](#), Sarah Jeong.
- [Data in the Time of Cholera: Where to Find Preserved Federal Data](#), Eric Prosser.
- [Alleviating the high cost of science textbooks with Open Educational Resources](#), Laura Palumbo.
- [Apps: What are engineering students using?](#) Ana Torres.
- [MathSciNet](#), Sandra Barclay.
- [MyNCBI: Getting the Most out of PubMed, Genome, and More](#), Emily Gorman.
- [TRAIL – The Road to Search for Technical Documents](#), Isabel Altamirano
- [NGMDB, The National Geologic Map Database, a resource for everyone](#), Louise Deis.
- [MedlinePlus: Worth Its Weight in Gold](#), Greg Nelson.
- [Locating Nuclear Energy Data using U.S. Energy Information Administration](#), Angela R. Davis.
- [NIH Research Portfolio Online Reporting Tools \(RePORT\)](#), Josh Bishoff.
- [Scholarly Communication and the History of Flight](#), Jennifer Roach.
- [Understanding BLAST and Improving Your Search](#), Greg Nelson.
- [WorldWideScience, a Cut above the World Wide Web](#), Khue D. Duong.
- [I Don't Know Your Name, But You Look Familiar: Using Chemical Structure Searches](#), Eric Prosser.
- [Arctic Matters Day](#), Louise Deis.
- [Finding Standards](#), Angela R. Davis.
- [Patents at The Lens](#), Greg Nelson.
- [Finding Data with DOE Data Explorer](#), Jennifer Roach.
- [Alloy Microstructure Images in ASM Alloy Center Database](#), Angela R. Davis.

- [National Academies Press](#), Jennifer Roach.
- [Figures and Tables Search in Georef via Proquest](#), Carolyn Bishoff.
- [National Technical Reports Library \(NTRL\)](#), Angela R. Davis.
- [Google Patents](#), Larayne Dallas.
- [Goals](#), Larayne J. Dallas, and Angela R. Davis.

Special recognition is also due to past co-chairs for their leadership in maintaining the blog: Larayne J. Dallas, Angela R. Davis, Jennifer Roach, Gregory Nelson, Emily F. Gorman, and Laura Palumbo.

Nestor L. Osorio, Northern Illinois University, Co-chair ACRL STS Science Resources Committee.

We welcome your comments and suggestions. If you have a resource that you would like to see highlighted please leave us a comment.