

Publications of Interest – March 2014

By

SPNHC* Citations Subcommittee
of the Documentation Committee

Compiled by Margaret Landis Citations Subcommittee chair from submission by, Stephanie Allen (SA), Diana Dicus (DD), Mariko Kageyama (MK), Ann Pinzl (AP), Margaret Landis (ML), Barbara Moore (BM), Marcy Revelez (MR), John Simmons (JS), and Janet Waddington (JW). *The initials at the end of each citation indicate who submitted that particular citation.*

This compilation is a bi-annual gathering of inter-disciplinary citations of recently published literature (or perhaps overlooked literature) related or applicable to natural history collections care that are directly relevant to what is or should be done in natural history collection(s) throughout the international community.

Future contributions, suggestions, and comments may be submitted to: Margaret Landis: Sam Noble Oklahoma Museum of Natural History, 2401 Chautauqua Ave., Norman, OK 73072, USA; (405) 325-8266 (voice); (405) 325-7699 (fax); paleocatstar@ou.edu (e-mail).

* *The Society for the Preservation of Natural History Collections (SPNHC) is an international organization devoted to the preservation, conservation and management of natural history collections. Please see our website (<http://www.spnhc.org/>) from which this PDF was downloaded.*

A

Achiam, M. and M. Marandino (2013). "A framework for understanding the conditions of science representation and dissemination in museums." Museum Management and Curatorship 29(1): 66-82. (JW)

Albuja V., L., A. Almendáriz C., R. Barriga S., L. D. Montalvo E., F. Cáceres F. and J. L. Román C. (2012). Fauna de vertebrados del Ecuador. Quito, Ecuador, Instituto de Ciencias Biológicas, Escuela Politécnica Nacional. (JS)

- English title: Vertebrate Fauna of Ecuador. A comprehensive overview of the vertebrate fauna of Ecuador by zoogeographic regions, based on the collections of the Instituto de Ciencias Biológicas of the Escuela Politécnica Nacional and other collections. Profusely illustrated with color photos, charts, and graphs. Includes a chapter on the history of the study of vertebrates of Ecuador and a chapter on fossil vertebrates.

Albuja V., L. and M. P. Carmen (2012). Zoología: Vertebrados. Quito, Ecuador, Instituto de Ciencias Biológicas, Escuela Politécnica Nacional. (JS)

- English Title: Zoology: Vertebrates. An introductory zoology text, well-illustrated with line drawings, with an emphasis on morphology and anatomy.

Allnatt, G. (2013). "Recuration of the Flugoridæ collection at the Manchester Museum." Journal of Natural Science Collections 1(1): 44-47. (AP)

Ambers, J., C. Higgitt and L. Harrison, Eds. (2009). Holding it all together: Ancient and modern approaches to joining, repair and consolidation. London, Archetype Publications Ltd. (ML)

- Proceedings of a conference on the conservation of antiquities held at the British Museum in February 2008 with studies/examples of various joins/repairs/consolidations with implications for natural history.

Anonymous (2013). 3D printers shown to emit potentially harmful nanosized particles. Phys.org Technology/Engineering News (DD)

Anonymous (2013). "Third world list of cetrarioid lichens: A databased tool for documentation of nomenclatural data—lessons learned." Taxon 62(3): 591-603. (AP)

- Online FileMaker-powered database of world cetrarioid lichens (contains 572 names representing 149 accepted species including type information for most names and phylogenetic status of accepted taxa; incorporates data from Catalogue of Life, Encyclopedia of Life, Index Fungorum, LIAS, MycoBank).

Ariño, A. H. (2010). "Approaches to estimating the universe of natural history collections data." Biodiversity Informatics 7(2): 81-92. (MK)

Ariño, A. H., V. S. Chavan and D. P. Faith (2013). "Assessment of user needs of primary biodiversity data: Analysis, concerns, and challenges." Biodiversity Informatics 8(2): 59-93. (MK)

Austin-Dennehy, M., G. Hansen, N. Firnhaber and B. Muens (2013). "The US Exploring Expedition (Wilkes) tapa project." International Council of Museums Ethnographic Conservation Newsletter 35: 5-11. (MK)

- URL for entire newsletter is <http://www.icom-cc.org/54/document/ethnographic-conservation-newsletter-35-october-2013/?id=1252>.

B

Baars, C. (2013). "Conservation of pyrite damaged ammonite type specimens at the National Museum of Wales." Journal of Natural Science Collections 1(1): 34-37. (AP)

Baird, R. C. (2010). "Leveraging the fullest potential of scientific collections through digitisation." Biodiversity Informatics 7(2): 130-136. (MK)

Barber, A., D. Lafferty and L. R. Landrum (2013). "The SALIX Method: A semi-automated workflow for herbarium specimen digitization." Taxon 62(3): 581-590. (AP)

Baskauf, S. J. (2010). "Organization of biodiversity resources based on the process of their creation and the role of individual organisms as resource relationship nodes." Biodiversity Informatics 7(1): 17-44. (MK)

Berendsohn, W. G., V. S. Chavan and J. Macklin (2010). "Recommendations of the GBIF Task Group on the global strategy and action plan for the mobilization of natural history collections data." Biodiversity Informatics 7(2): 67-71. (MK)

Berents, P., M. Hamer and V. S. Chavan (2010). "Towards demand-driven publishing: Approaches to the prioritization of digitization of natural history collections data." Biodiversity Informatics 7(2): 113-119. (MK)

Bisulca, C., P. C. Nascimbene, L. Elkin and D. A. Grimaldi (2012). "Variation in the deterioration of fossil resins and implications for the conservation of fossils in amber." American Museum Novitates 3734: 1-19. (JW)

Borrelli, N. and P. Davis (2013). "Developing capacity building: Reflections on Chicago's Field Museum, USA." Museum Management and Curatorship 28(5): 455-466. (JW)

Boyle, B., N. Hopkins, Z. Lu, J. A. Raygoza Garay, D. Mozzherin, T. Rees, N. Matasci, M. L. Narro, W. H. Piel, S. J. Mckay, S. Lowry, C. Freeland, R. K. Peet and B. J. Enquist (2013). "The taxonomic name resolution service: An online tool for automated standardization of plant names." BMC Bioinformatics 14(1): 1-16. (AP)

Bratasz, Ł. (2013). "Allowable microclimatic variations for painted wood." Studies in Conservation 58(2): 65-79. (BM)

Brimblecombe, P. and P. Lankester (2013). "Long-term changes in climate and insect damage in historic houses." Studies in Conservation 58(1): 13-22. (BM)

Brinkerhoff, N. and D. Biederman (2013). No Accurate Records Kept of Serious Chemical Accidents in U.S. [AllGov.com](http://www.allgov.com). (23 January 2014). (DD)

Brown, C., Ed. (2013). Archives and Recordkeeping: Theory into Practice. London, England, Facet Publishing. (ML)

C

Can, L., O. Erol, N. afak and O. Küçüker (2013). "Combining an ancient tradition with modern developments: Latin and open access." Taxon 62(4): 798-800. (AP)

Canhos, V. P., S. d. Souza, R. D. Giovanni and D. A. L. Canhos (2004). "Global biodiversity informatics: Setting the scene for a "new world" of ecological forecasting." Biodiversity Informatics 1: 1-13. (MK)

Carnall, M., J. Ashby and C. Ross (2013). "Natural history museums as provocateurs for dialogue and debate." Museum Management and Curatorship 28(1): 55-71. (AP)

Carr, D. (2001). "Balancing act: Ethics, mission & the public trust." Museum News 80: 28-32. (SA)

Carter, R. (2012). "A cost-effective method for constructing magnetic fumicels for herbarium cabinets." Journal of the Botanical Research Institute of Texas 6(2): 579-582. (AP)

Chavan, V. S., N. S. Rane, A. Watve and M. Ruggiero (2005). "Resolving taxonomic discrepancies: Role of electronic catalogues of known organisms." Biodiversity Informatics 2: 70-78. (MK)

Coetzer, W., M. Hamer and F. Parker-Allie (2012). "A new era for specimen databases and biodiversity information management in South Africa." Biodiversity Informatics 8(1): 1-10. (MK & AP)

Creasman, P. P. (2011). "Basic principles and methods of dendrochronological specimen curation." Tree-Ring Research 67(2): 103-115. (ML)

D

Dadson, E. (2012). Emergency planning and response for libraries, archives and museums. London, England, Facet Publishing. (ML)

Davis, J. (2013). "Book Review: Museums and public value: Creating sustainable futures ed. by Carol A. Scott. Burlington: Ashgate Publishing Limited, 2013." Museum Management and Curatorship 28(5): 527-529. (JW)

Downey, L. and D. Pennington (2009). "Bridging the gap between technology and science with examples from ecology and biodiversity." Biodiversity Informatics 6: 18-27. (MK)

E

Eisenman, S. W., A. O. Tucker and L. Struwe (2012). "Voucher specimens are essential for documenting source material used in medicinal plant investigations." Journal of Medicinally Active Plants 1(1): 30-43. (AP)

Ethics Working Group of the International Council of Museums International Committee for Museums and Collections of Natural History (ICOM-NATHIST) (2013). ICOM Code of Ethics for Natural History Museums. Paris, France, International Council of Museums. (MK)

F

Faith, D. P., B. Collen, A. H. Ariño, P. Koleff, J. Guinotte, J. Kerr and V. S. Chavan (2013). "Bridging the biodiversity data gaps: Recommendations to meet users' data needs." Biodiversity Informatics 8(2): 41-58. (MK)

Fenech, A., C. Dillon, K. Ntanos, N. Bell, M. Barrett and M. Strlič (2013). "Modelling the lifetime of colour photographs in archival collections." Studies in Conservation 58(2): 107-116. (BM)

Fidler, C. V. (2013). "Cataloging hidden archives of the Museum of Vertebrate Zoology at the University of California, Berkeley." Museum Archivist 23(2): 1, 8-10. (ML)

- URL for entire newsletter is

http://www.archivists.org/saagroups/museum/newsletter/current/pdfs/MAS_newsletter_Summer_2013.pdf.

Foley, D. H. (2011). "A spreadsheet mapping approach for error checking and sharing collection point data." Biodiversity Informatics 7(3): 137-142. (MK & ML)

G

Gaiji, S., V. S. Chavan, A. H. Ariño, J. Otegui, D. Hobern, R. Sood and E. Robles (2013). "Content assessment of the primary biodiversity data published through GBIF network: Status, challenges and potentials." Biodiversity Informatics 8(2): 94-172. (MK)

Golding, V. and W. Modest, Eds. (2013). Museums and communities: Curators, collections and collaboration. New York City, New York, Bloomsbury Academic. (MR)

Gong, M.-T., R. Wang and H.-S. Cheng (2013). "Preliminary study on the impact of relative humidity on the conservation of jades." Studies in Conservation 58(2): 88-94. (BM)

Gorzalak, P. and S. Zamora (2013). "Stereom microstructures of Cambrian echinoderms revealed by cathodoluminescence (CL)." (JW)

- Details the use of cathodoluminescence to study microstructures in fossils.

Güntsche, A., N. Hoffmann, P. Kelbert and W. G. Berendsohn (2009). "Effectively searching specimen and observation data with TOQE, the thesaurus optimized query expander." Biodiversity Informatics 6: 53-58. (MK)

Guralnick, R. P. and D. Neufeld (2005). "Challenges building online GIS services to support global biodiversity mapping and analysis: Lessons from the Mountain and Plains Database and Informatics Project." Biodiversity Informatics 2: 56-69. (MK)

H

Haddad, N. A. (2013). "From hand survey to 3D laser scanning: A discussion for non-technical users of heritage documentation." Conservation and Management of Archaeological Sites 15(2): 213-226. (ML)

- Compares various methods of documentation—examining issues such as quality, accuracy, time, costs and specific skills required—for documenting objects, structures and landscapes, with a major focus on digital methods of documentation.

Handley, B. (2010). "Digital photographic leaf venation enhancement: Investigating fossil plants from the Eocene Douglas Creek Arch Flora." Jepson Globe 20(3): 2. (AP)

- Non-destructive method used for morphological comparisons and statistical inferences (using digital photographic leaf enhancement of herbarium specimens to compare leaf architectural characters of fossil plants and extant plants to determine nearest living relatives).

Heidorn, P. B. and Q. Zhang (2013). "Label annotation through biodiversity enhanced learning." iConference Proceedings 2013: 882-884. (AP)

Hogue, C. (2013). "Canada assessing 28 phthalates." Chemical & Engineering News 91(29): 21. (DD)

I

Inch, J. E. (2013). "Canadian Conservation Institute, serving our clients...preserving Canada's heritage." Collections 9(3): 283-396. (AP)

J

Johnson, A. P., W. Robert Hannen and F. Zuccari (2013). "Vibration Control During Museum Construction Projects." Journal of the American Institute for Conservation 52(1): 30-47. (BM)

K

Kakodkar, A. P., S. S. Kerkar, N. S. Varghese, D. P. Kavlekar and C. T. Achuthankutty (2009). "Darwin Core based data streamlining with DigiMus 2.0." Biodiversity Informatics 6: 1-4. (MK)

Kassmeyer, A. (2013). "Moving ahead with new facilities for the Jepson Library and Archives." Jepson Globe 23(1): 9-10. (AP)

Kelley, P. (2013). "Choosing the best outdoor lights to reduce insects." Fumigants & Pheromones 108: 4. (DD)

Kelley, P. (2013). "*Lasioderma serricornis* Cigarette Beetle." Fumigants & Pheromones 106: 2. (AP)

- Description of symbiotic relationship with yeast-like organisms in beetle's gut.

Khan, Y. (2012). Museums in the information age: Survival of the most digital? The Gaurdian Cultural Professionals Network. (ML)

- Discussed the question: How should museums adapt to the wealth of information and imagery now online?

King, N., L. Krishtalka and V. S. Chavan (2010). "Thoughts on implementation of the recommendations of the GBIF Task Group on a global strategy and action plan for mobilization of natural history collections data." Biodiversity Informatics 7(2): 72-76. (MK)

Kirk, E. (2013). "Gaining young children's perspectives on natural histroy collections." Journal of Natural Science Collections 1(1): 38-43. (AP)

L

Lalueza-Fox, C. (2013). "Agreements and misunderstandings among three scientific fields: Paleogenomics, archaeology, and human paleontology." Current Anthropology 54(S8): S214-S220. (SA)

Lander, T. A., B. Dadonaite and A. K. Monro (2013). "Microwave drying of plant material for herbarium specimens and genetic analysis." Taxon 62(4): 790-797. (AP)

Larkin, N. R. (2013). "Infrared thermal imaging as a collections management tool." Journal of Natural Science Collections 1(1): 59-65. (AP)

Lavoie, C. (2013). "Biological collections in an ever changing world: Herbaria as tools for biogeographical and environmental studies." Perspectives in Plant Ecology, Evolution and Systematics 15(1): 68-76. (AP)

Ledford, H. (2013). "Museums hunt for relics from genomics' early days: Collectors band together to salvage cast-off equipment." Nature 504(7478): 20-21. (AP)

Lehoux, D. (2013). "Ancient science in a digital age." Isis 104(1): 111-118. (ML)

- Discusses how digitization is bring to light the importance of the history of science and older publications and the specimens they describe.

Lewis, J. (2013). "Information equality for individuals with disabilities: Does it exist?" The Library Quarterly 83(3): 229-235. (SA)

Lu, T. L.-D. (2014). Museums in China: Power, politics and identities. New York City, New York, Routledge. (MR)

Luby, E. M., K. G. Lightfoot and V. Bradshaw (2013). "Archaeological curation and research value of archaeological collections." Collections 9(3): 255-282. (AP)

Lyman, R. L. (2010). "Paleozoology's dependence on natural history collections." Journal of Ethnobiology 30(1): 126-136. (ML)

M

Mak, B. and J. Pollack (2013). "The performance and practice of research in a cabinet of curiosity: The Library's Dead Time." Art Documentation: Journal of the Art Libraries Society of North America 32(2): 202-221. (SA)

Malarkey, P. (2013). "The Nippon Kan curtain: Encapsulation and installation of an asbestos stage curtain." WAAC Newsletter 35(1): 14-18. (DD)

Mori, S. A., A. Berkov, C. A. Gracie and E. F. Hecklau, Eds. (2011). Tropical plant collecting – From the field to the Internet. Florianópolis, Brazil, TECC Editoria. (AP)

Morris, R. A., V. Barve, M. Carausu, V. S. Chavan, J. Cuadra, C. Freeland, G. Hagedorn, P. Leary, D. Mozzherin, A. Olson, G. Riccardi, I. Teage and G. Whitbread (2013). "Discovery and publishing of primary biodiversity data associated with multimedia resources: The Audubon Core strategies and approaches." Biodiversity Informatics 8(2). (MK)

Moser, D. (2013). "Understanding the impact of the new aesthetics and new media works on future curatorial resource responsibilities for research collections." Art Documentation: Journal of the Art Libraries Society of North America 32(2): 186-201. (SA)

Mound, L. A. (2012). "The Natural History Museum re-visited." The Natural History Museum re-visited 36(3): 195-200. (AP)

- Commentary on new collections facility for insects and plants with emphasis on the former; interplay of collections & research roles, and spatial use; photos.

Mueller, D. K. (2013). "Dave's soapbox ... for what it's worth." Fumigants & Pheromones 107: 3-4. (AP)

- Editorial: short history of several fumigants with emphasis on phosphine/Phostoxin as used in stored grain situations.

Mueller, P. (2013). "Infrared imaging – A new tool for pest management." Fumigants & Pheromones 106: 1 & 6. (DD)

N

Natali, I., P. Tempesti, E. Carretti, M. Potenza, S. Sansoni, P. Baglioni and L. Dei (2014). "Aragonite crystals grown on bones by reaction of CO₂ with nanostructured Ca(OH)₂ in the presence of collagen – Implications in archaeology and paleontology." Langmuir 30(2): 660-668. (ML)

- Chemical finding on how bone crystallization occurs. Researchers were able to control growth of aragonite crystals by reacting atmospheric CO₂ and calcium hydroxide nanoparticles in the presence of collagen within deteriorated bones.

Neale, S., M. R. Pullan and M. F. Watson (2007). "Online biodiversity resources – Principles for usability." Biodiversity Informatics 4: 27-36. (MK)

O

Otegui, J., A. H. Ariño, V. S. Chavan and S. Gaiji (2013). "On the dates of the GBIF mobilized primary biodiversity data records." Biodiversity Informatics 8(2): 173-184. (MK)

P

Page, R. D. M. (2006). "Taxonomic names, metadata, and the semantic web." Biodiversity Informatics 3: 1-15. (MK)

Pantalony, R. E. (2013). WIPO guide on managing intellectual property for museum. Geneva, Switzerland, World Intellectual Property Organization (WIPO): 1-90. (SA)

Parnell, J., T. Rich, A. McVeigh, A. Lim, S. Quigley, D. Morris and Z. Wong (2013). "The effect of preservation methods on plant morphology." Taxon 62(6): 1259-1265. (AP)

Paul, E. and R. S. Sikes (2013). "Wildlife researchers running the permit maze." Institute for Laboratory Animal Research Journal 54(1): 14-23. (MK)

Pedley, P. (2012). Essential law for information professionals. London, England, Facet Publishing. (ML)

- While geared more towards librarians this book has chapters with information on copyright, legal deposit, breach of confidence, data protection, privacy, etc.

Price, M., J. Horak and P. Faithfull (2013). "Identifying and managing radioactive geological specimens." Journal of Natural Science Collections 1(1): 27-33. (AP)

Pringle, H. (2014). "Selling America's fossil record." Science 343(6169): 364-367. (ML)

- An article on commercial collecting vs. academic collecting and whether there is a middle ground.

Prosek, T., M. Kouril, M. Dubus, M. Taube, V. Hubert, B. Scheffel, Y. Degres, M. Jouannic and D. Thierry (2013). "Real-time monitoring of indoor air corrosivity in cultural heritage institutions with metallic electrical resistance sensors." Studies in Conservation 58(2): 117-128. (BM)

Q

R

Radnoff, D. (2013). "Accuracy of reported flash point values on Material Safety Data Sheets and the impact on product classification." Journal of Occupational and Environmental Hygiene 10(10): 540-546. (DD)

Robinson, P. and A. Bowden (2013). "Taking stock, effective collections, Esméfairbairn and the natural science collections at Doncaster Museum." Journal of Natural Science Collections 1(1): 8-26. (AP)

Rossol, M. (2013). "3D printers emit potentially toxic nanosize particles." ACTS FACTS 27(8): 4. (DD)

- Sources: "Ultrafine particle emissions from desktop 3D printers," Brent Stephens, Parham Azimi, Zeineb El Orcha, Tifanie Ramo, Atmospheric Environment 79 (2013) 334-339; "3D printers shown to emit potentially harmful nanosized particles," Technology/Engineering, July 24, 2013 <http://phys.org/news/2013-07-3d-printers-shown-emit-potentially.html>.

Rossol, M. (2013). "Canada assessing 28 phthalates." ACTS FACTS 27(8): 4. (DD)

- Source: "Canada assessing 28 phthalates," Chemical & Engineering News, 91(29): 21.

Rossol, M. (2013). "Comments on OSHA's proposed silica rule." ACTS FACTS 27(12): 1-2. (DD)

- Sources: 78 FR 65242-654244, October 31, 2013; & 78 FR 56274-56504, September 12, 2013

Rossol, M. (2013). "Inaccurate flash point values on MSDSs." ACTS FACTS 27(9): 4. (DD)

- Source: <http://oeh.tandfonline.com/doi/full/10.1080/15459624.2013.818233#Ug0EQGTzav1>

Rossol, M. (2013). "Laser printer ink conservation issue." ACTS FACTS 27(9): 1-2. (DD)

- Source: Conservation DistList, consdistlist@cool.conservation-us.org, inquiry dated August 6 and posted August 8, 2013, subject: Inst. 27:8, permission to reprint by author, 8/11/13.

Rossol, M. (2013). "Met museum: Was recent exhibit a fire hazard?" ACTS FACTS 27(10): 1-3. (DD)

Rossol, M. (2013). "New strategy on air quality standards (PELs) update." ACTS FACTS 27(11): 3. (DD)

Rossol, M. (2013). "Rich & poor folks' bodies harbor different toxicants." ACTS FACTS 27(10): 1. (DD)

- Source: Prepublication article of Tyrrell, J., Melzer, D., Henley, W., Galloway, T. S., and Osborne, N. J. 2013. Associations between socioeconomic status and environmental toxicant concentrations in adults in the USA: NHANES 2001-2010 Environment International. doi: 10.1016/j.envint.2013.06.017.

Rossol, M. (2013). "Serious chemical accidents: No accurate records exist." ACTS FACTS 27(10): 1-2. (DD)

- Source: <http://www.allgov.com/news/top-stories-no-accurate-records-kept-of-serious-chemical-accidents-in-us-130829?news=850985>.

- Rossol, M. (2014). "Let's eliminate unsafe spray operations in 2014." ACTS FACTS 28(1): 1. (DD)
- Source: Ley, Ana, 2013. Spray painting ignites fire at Queensridge clubhouse; worker burned. Las Vegas Sun, Wednesday, Dec. 11, 2013, 10pm.
- Rossol, M. (2014). "Paint pigments: Source of PCB air and water pollution." ACTS FACTS 28(1): 3-4. (DD)
- Sources: Dingfei Hu and Keri C. Hornbuckle, 2010. Inadvertent polychlorinated biphenyls in commercial paint pigments. *Environmental Science and Technology* 44(8): 2822-2827; Nonlegacy PCBs. *Environmental Health Perspectives* 121(3), March 2013 (an article summarizing the information from many articles on this subject); Petition-August 20, 2010 from: Inland Empire Paper Company, Spokane, WA; Spokane Riverkeeper, Spokane, WA & The Lands Council, Spokane, WA. Docket ID No. EPA-HQ-OPPT-2009-0757-Comments on Polychlorinated Biphenyls (PCBs); Reassessment of Use Authorizations Federal Register 75 (66) 4-7-10/Proposed Rules.
- Rossol, M. (2014). "Protection from isocyanates requires the right gloves." ACTS FACTS 28(1): 1. (DD)
- Source: Prepublication article of Diana Ceballos, Carolyn Reeb-Whitaker, Patricia Glazer, Helen Murphy-Robinson, and Michael Yost, 2013. Understanding factors that influence protective glove use among automotive spray painters, *Journal of Occupational and Environmental Hygiene*. doi: 10.1080/15459624.2013.862592
- S**
- Särkinen, T., M. Staats, J. E. Richardson, R. S. Cowan and F. T. Bakker (2012). "How to open the treasure chest? Optimising DNA extraction form herbarium specimens." PLoS ONE 7(8): e43808. DOI: 10.1371/journal.pone.0043808. (AP)
- Sautter, G., K. Böhm and D. Agosti (2006). "A combining approach to find all taxon names (FAT) in legacy biosystematics literature." Biodiversity Informatics 3: 46-58. (MK)
- Sautter, G., K. Böhm and D. Agosti (2007). "A quantitative comparison of XML schemas for taxonomic publications." Biodiversity Informatics 4: 1-13. (MK)
- Schaller, P. (2013). "Disaster Planning: Why we cannot be ostriches with our heads in the sand." Collections Research News (Summer/Fall 2013): 1-2. (DD)
- Sciuto, K., M. A. Wolf, M. Schiavon and I. Moro (2013). "Barcoding P.A.T.H.S.: A new database for Plant & Algal Type & Historical Specimens." Taxon 62(3): 647-648. (AP)
- Scott, C. A., Ed. (2013). Museums and public value: Creating sustainable futures. Burlington, Vermont, Ashgate Publishing Limited. (JW)
- Sendino, M. C. (2013). "Use of QR Labels in museum collection management." Collections 9(3): 239-254. (AP)
- Introduction to QR labels and their use featuring a pilot project at London's Natural History Museum with fossil bryozoan collection.
- Shorter-Gooden, K. (2013). "The culturally competent organization." The Library Quarterly 83(3): 207-211. (SA)
- Sikes, R. S. and E. Paul (2013). "Fundamental Differences between Wildlife and Biomedical Research." Institute for Laboratory Animal Research Journal 54(1): 5-13. (MK)
- Silva, M. R. (2004). "Bioinformatics, the Clearing-House Mechanism and the Convention on Biological Diversity." Biodiversity Informatics 1: 23-29. (MK)
- Smith, C., B. Lowe, K. Blair, D. Carr and A. McNaughton (2013). "Identification of historical plant material using micro-computed tomography." Studies in Conservation 58(3): 256-268. (BM)

Smith, G. F. and E. Figueiredo (2013). "Type specimens online: What is available, what is not, and how to proceed; Reflections based on an analysis of the images of type specimens of southern African *Polygala* (Polygalaceae) accessible on the worldwide web." Taxon 62(4): 801-806. (AP)

Staats, M., A. Cuenca, J. E. Richardson, R. Vrielink-van Ginkel, G. Petersen, O. Seberg and F. T. Bakker (2011). "DNA damage in plant herbarium tissue." PLoS ONE 6(12): e28448. DOI: 10.1371/journal.pone.0028448. (AP)

Stack, L. (2013). "Specimens from Beatrix Farrand's Garden on display in Maine." Jepson Globe 23(2): 9. (AP)
- Digitized horticultural specimens from Jepson Herbarium (JEPS) on exhibit at original collection site in Maine.

Stavroudis, C. (2013). "Superstorm Sandy: Frontline advice for dealing with mold and salvaging electronic devices." WAAC Newsletter 35(1): 11-13. (DD)

Stein, B. R. and J. R. Wieczorek (2004). "Mammals of the World: MaNIS as an example of data integration in a distributed network environment." Biodiversity Informatics 1: 14-22. (MK)

Stephens, B., P. Azimi, Z. El Orch and T. Ramos (2013). "Ultrafine particle emissions from desktop 3D printers." Atmospheric Environment 79: 334-339. (DD)

Strlič, M., D. Thickett, J. Taylor and M. Cassar (2013). "Damage functions in heritage science." Studies in Conservation 58(2): 80-87. (BM)

T

Taylor, J. (2013). "Causes and extent of variation in collection condition survey data." Studies in Conservation 58(2): 106-195. (BM)

Tripp, E. A. and K. E. Hoagland (2013). "Typifying an era in biology through synthesis of biodiversity information: Achievements and impediments." Taxon 62(5): 899-911. (AP)

Tschöpe, O., J. A. Macklin, R. A. Morris, L. Suhrbier and W. G. Berendsohn (2013). "Annotating biodiversity data via the internet." Taxon 62(6): 1248-1258. (AP)

Tyrrell, J., D. Melzer, W. Henley, T. S. Galloway and N. J. Osborne (2013). "Associations between socioeconomic status and environmental toxicant concentrations in adults in the USA: NHANES 2001-2010." Environment International 59: 328-335. (DD)

U

V

van Andel, T., S. Veldman, P. Maas, G. Thijsse and M. Eurlings (2012). "The forgotten Hermann Herbarium: A 17th century collection of useful plants from Suriname." Taxon 61(6): 1296-1304. (AP)

Veenstra, A. A. (2012). "Herbarium collections—An invaluable resource for gall midge taxonomists." Muelleria 30(1): 59-64. (AP)

Viscardi, P. (2013). "A survival strategy for natural science collections: The role of advocacy." Journal of Natural Science Collections 1(1): 4-7. (AP)

W

Walker, A., A. MacGregor and M. Hunter, Eds. (2012). Books to bezoars: Sir Hans Sloane and his collections. London, England, The British Library. (AP)

Wanhill, R. (2013). "Stress corrosion cracking in ancient silver." Studies in Conservation 58(1): 41-49. (BM)

Welsh, P. H. (2013). "Preparing a new generation: Thoughts on contemporary museum studies training." Museum Management and Curatorship 28(5): 436-454. (JW)

Wen, J., R. H. Ree, S. M. Ickert-Bond, Z. Nie and V. Funk (2013). "Biogeography: Where do we go from here?" Taxon 62(5): 912-927. (AP)

Winker, K. and J. J. Withrow (2013). "Natural history: Small collections make a big impact." Nature 493(7433): 480. (AP)
- Using Google Scholar Profile to demonstrate effectiveness of a small, young collection (birds in this instance).

X

Y

Z

Zhang, H., L. C. Smith, M. Twidale and F. H. Gao (2011). "Seeing the wood for the trees: Enhancing metadata subject elements with weights." Information Technology and Libraries 30(2): 75-80. (ML)
- Discusses the problem of keywords or subjects that are subsidiary to the main subject and the problem it poses when searching for a specific subject (that of overly broad results).