

La conservation des spécimens dans les fluides

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Orientations bibliographiques

Une grande partie des documents ci-dessous peuvent être consultés à la Bibliothèque de l'INP

Monographies

Horie, C. V. Murphy, R. G. Conservation of natural history specimens vertebrates. Proceedings of the short course at Manchester University.

Manchester, University of Manchester/the Manchester Museum, 1988. 77p.

4° 41/20 - 1

Moore, Simon. Fluid Preservation.

In : Care and conservation of natural history collections. Eds. Carter, David ; Walker, Annette K. Oxford, Butterworth-Heinemann, 1999. pp. 92-132

8° 40/20 - 1 ; 8° 40/20 - 2

Moore, Simon. Conservation of spirit specimens.

In : Conservation of natural history specimens. Spirit collections / Horie, C.V.;

Manchester, Manchester Museum;Department of Environmental Biology, 1989. pp.65-90

4° 41/20 - 2

Rose, Carolyn L.; Hawks, Catharine A.; Genoways, Hugh H. Storage of natural history collections Vol. 1 A preventive conservation approach.

Iowa City, Society for the Preservation of Natural History Collections, 1995. 448 p.

4° 13 - 12 ; 4° 13 - 13

Rose, Carolyn L.; De Torres, Amparo R. Storage of natural history collections ideas and practical solutions. Pittsburgh, PA Society for the Preservation of Natural History Collections, 1992.346 p.

4° 13 - 8 ; 4° 13 - 9

Simposio Internacional y Primer Congreso Mundial Sobre Preservacion y Conservacion de Colecciones de Historia Natural - Resumenes = International Symposium and First World Congress on the Preservation and Conservation of Natural History Collections. Madrid; Madrid Fundacio Cultural Banesto; Comunidad de Madrid, 1992. 3 vol.

8° 41/26 - 1 à 3

Articles de périodiques

Clique, André ; Ponge, Jean-François ; Le Gal, Yves ; et al. Formol et fixation nouvelle donne, nouvelles approches....

Lettre de l'OCIM (La), n° 114, Novembre-décembre 2007, pp. 23-29

4° PER 10 - 7

García Rodríguez, Nayla, Estudio de contaminantes microbianos responsables del biodeterioro en especímenes de historia natural conservados en fluidos (Study of the microbial contamination causing biodeterioration in natural history specimens conserved in fluids)

Patrimonio y desarrollo, No.11, 2004, pp.2-3

4° PER 20 - 33

Marte, Fernando; Solazzo, Caroline; von Endt, David; Erhardt, David; Tumosa, Charles. La estabilidad de especímenes de historia natural en colecciones preservadas en fluidos.

Patrimonio y desarrollo boletín, No.9, 2003, pp.6-8

4° PER 20 – 33

Version anglaise de l'article (The stabilization of natural history specimen collections preserved in fluids) en pdf

[http //www.si.edu/MCI/downloads/articles/nhcstability.pdf](http://www.si.edu/MCI/downloads/articles/nhcstability.pdf)

Moore, Simon. Investigation into the state of preservation of the E.T. Browne collection of hydromedusae.

Conservation news, No.53, 1994, pp.40-41

4° PER 20 – 6

Moore, Simon. Cryo-resistant fluids in biological specimens lyophiloresistance.

Conservation News, n° 51, 1993, pp. 38.

4° PER 20 – 6

Moore, Simon. Problems encountered in maintaining fluid preserved specimens.

Conservation News, n° 51, 1993, 38-39.

4° PER 20 – 6

Moore, Simon. Fluid-preserved collections: topping up sealed containers.

Conservation News, n° 54, 1994, pp. 38-39.

4° PER 20 – 6

Moore, Simon. Repair of damaged spirit-preserved specimens - giving the needle.

Conservation News, n° 56, 1995, pp. 24.

4° PER 20 – 6

Moore, Simon. Phenoxetol; friend or foe? (A personal history).

Natural Sciences Conservation Group Newsletter, n° 6, 1997, pp. 24-25.

8° PER 40/20 - 2

Moore, Simon. Transferring biological specimens to alcohol.

Natural Sciences Conservation Group Newsletter, n° 17, 2001, pp. 43-45.

8° PER 40/20 - 2

Moore, Simon. Problems with lipid and fluid-preserved specimens.

NatSCA News, n° 7, 2005, pp. 14-15.

4° PER 40/20 - 1

Moore, Simon. Conserving transparencies.
NatSCA Newsletter, No.8, 2006, pp.12-14
4° PER 40/20 - 1

Moore, Simon. Two talks from seminar, Fluid Preservation - do we really understand it? A brief history of fluid preservation, some basic facts about it, including labels and inks. (Also) Histological effects of fixation and long-term preservation. Preservatives - are they beneficial or not?
Natural Sciences Conservation Group Newsletter, n° 19, 2002, pp. 21-24 & 24-26.
8° PER 40/20 – 2

Palacios, F.; Gisbert, J. An indelible printing system for permanent records in natural history collections.
Collection forum, Vol.6 No.1, 1990, pp.38-39
8° PER 20 - 33

Palmer, Lisa. Assessing preservation fluids in a wet collection how important is container style?
Natural history conservation, No.10, 1996, pp.10-12.
4° PER 20 - 26

Péquignot A., Tumosa Ch. & Von Endt D., The Effects of tanning and fixing processes on the properties of taxidermy skins, */Collection Forum/*, 2006, 21(1-2), pp. 133-142.

Stoddart, Bob. The structures of plant tissues and the effects of drying and fluid preservation upon them.
NatSCA News, n° 11, 2007, pp. 38-43.
4° PER 40/20 - 1

Thede, Christine E. Survey of a fluid-preserved anatomical collection.
Natural history conservation, No.10, 1996, pp.12-17
4° PER 20 - 26

Tredwell, Emma. Botanical Spirit Collections.
NatSCA Newsletter, No.9, July 2006, pp.2-3
4° PER 40/20 - 1
http://www.nhm.ac.uk/hosted_sites/natSCA/publications/natsca/issue9.pdf

Van Dam, Andries J. Conservation of fluid preserved specimens the physical interaction between the preservative fluid, the jar, and the sealant.
Natural history conservation, No.11, 1997, pp.12-14
4° PER 20 - 26

Von Endt David, "Spirit collections : A preliminary analysis of some organic materials found in the storage fluids of Mammals", */Collection Forum/* 10(1), 1994, pp. 10-19

Von Endt David, Yourd E.R., & Hare P.E., "Spirit collections : Accelerated aging studies concerning the stability of keratin in ethanol and formalin", */Collection Forum/* 14(1-2), 2000, pp. 66-77

Von Endt David, "Staying in shape; the stability of structural proteins in natural history museums storage fluids, */Polymer Preprints/*, 2000, 41(2), pp.1794-1795.

Bibliographie de Simon Moore relative aux Sciences Naturelles

- Moore, S. J. - 1973: A technique for the histological preparation of spiders. *Journal of Science Technology*, **17** (2): 13-17,
- Moore, S. J. - 1976: Some spider organs as seen by the scanning electron microscope, with special reference to the book lung. *Bulletin of British Arachnological Society*, **3** (7): 177-187.
- Moore, S. J. - 1977: Some notes on freeze-drying spiders. *Bulletin of British Arachnological Society*, **4** (2): 83-88.
- Moore, S. J. - 1979: Restoration of the Quekett slide collection. *Microscopy*, **33**: 489-494,
- Moore, S. J. - 1980: Problems with glass museum jars solved. *Biology Curators' Group Newsletter*, **2** (8): 384-389.
- Moore, S. J. - 1984: Morphological variation in the hydromedusa *Calycopsis borchgrevinki*. *Cahiers de Biologie Marine*, **25**: 245-256,
- Moore, S. J. - 1987: Redescription of the leptomedusan *Blackfordia virginica*. - *Journal of marine biological Association of United Kingdom*, **67**: 287-291.
- Moore, S. J. - 1987: A gravimetric method of distinguishing between spirit and formalin. *Biology Curators' Group Newsletter*, **4** (5): 113.
- Moore, S. J. - 1988: A new species of cubomedusan, from Northern Australia. *The Beagle*, **5** (1): 1-4.
- Moore, S. J. - 1989a: *Conservation of spirit specimens*. In *Conservation of Natural History Specimens*. Manchester Museum,
- Moore, S. J. - 1989b: Narcotising sea anemones. *Journal of marine biological Association of United Kingdom*, **69** (4): 803-811.
- Moore, S. J. - 1990: Investigation into the preservation of the E. T. Browne collection of hydromedusae. *Journal of marine biological Association of United Kingdom*, **70**: 477-480, (Reprinted 1994: *Conservation News* 53: 40-41.
- Moore, S. J. - 1992a: Relative humidity and temperature for display and storage of biological specimens. In *Standards in the Museum Care of Biological Collections*. Museums & Galleries Commission, London.
- Moore, S. J. - 1992b: Freeze-drying spiders. *Life after death*, UKIC symposium publication.
- Moore, S.J. - 1993a: Cryo-resistant fluids in biological specimens: lyophiloresistance, *Conservation News* **51**: 38.
- Moore, S.J. - 1993b: Problems encountered in maintaining fluid preserved specimens. *Conservation News* **51**: 38-39.
- Moore, S.J. - 1993c: Conservation Unit-funded study tour to USA and Canada. *Conservation News* **52**: 39-40.
- Moore, S.J. - 1993d: Bones - to degrease or not to degrease? *Conservation News* **52**: 40-41.
- Moore, S.J. - 1993e: Restoration of Oates bird case, use of almond oil and Eulan WA.

- Moore, S. J. - 1994a: SPNHC conference, Victoria, June 1993: flood disaster at Texas A&M University. *Biology Curators' Group Newsletter*, **6** (3): 31-33.
- Moore, S. J. -1994b: What fluid is in this bottle? *Biology Curators' Group Newsletter*, **6** (4): 44-45.
- Moore, S. J. - 1994c: Fluid-preserved collections: topping up sealed containers. *Conservation News* **54**: 38-39.
- Moore, S. J. - 1994d: The Romsey Hoopoe - a case for feather restoration? *Conservation News* **54**: 38.
- Moore, S. J. - 1995a: Repair of damaged spirit-preserved specimens - giving the needle. *Conservation News* **56**: 24.
- Moore, S. J. - 1995b: Why not just call it a house sparrow? *Journal of the Guild of Taxidermists*, **25**: 14-15.
- Rau, R. E. & Moore, S. J. - 1995c: Restoring old mammal mounts. *Conservation News* **57**: 22-25.
- Moore, S. J. - 1996a: A mycoherbarium for Hampshire. *Natural Sciences Conservation Group Newsletter*, **2**: 5-13,
- Moore, S. J.- 1996b: Book review, *Storage of Natural History Collections. a preventive conservation approach*. *Natural Sciences Conservation Group Newsletter*, **3**: 18-19.
- Moore, S. J. - 1996c: Cambridge 1996 - the International Congress - an overview. *Natural Sciences Conservation Group Newsletter*, **4**: 13-15.
- Moore, S. J. - 1996d: Are we relying too heavily on computers? (For recording data, writing labels) *Natural Sciences Conservation Group Newsletter*, **4**: 17.
- Moore, S. J. - 1997a: Narcotising sea anemones. *Natural Sciences Conservation Group Newsletter*, **5**: 10-20.
- Moore, S. J. - 1997b: Phenoxetol; friend or foe? (A personal history). *Natural Sciences Conservation Group Newsletter*, **6**: 24-25.
- Moore, S. J. - 1997c: Fly orchid aberration? Another record. *BSBI News*, **76**: 21-22.
- Moore, S. J. - 1998a: The Conservation Forum insurance seminar. *Natural Sciences Conservation Group Newsletter*, **7**: 5-6.
- Moore, S. J. - 1998b: Pests - some less usual occurrences. Insert to *Natural Sciences Conservation Group Newsletter*, **7**.
- Moore, S. J. - 1998c: Hardiness of Anthrenus beetle. *Natural Sciences Conservation Group Newsletter*, **8**: 27.
- Moore, S. J. - 1999a: Fluid Preservation (pp. 92-132). In: Care and conservation of Natural History Collections. Eds Carter, D. J. & Walker, A. Butterworth Heinemann, Oxford.
- Moore, S. J. - 1999b: Deodorising skeletal material. *Natural Sciences Conservation Group Newsletter*, **10**: 24-5.
- Moore, S. J. - 1999c_: Humitemp conditioning for Biological Collections at Hampshire Museums Service. *Natural Sciences Conservation Group Newsletter*, **10**: (insert).

- Moore, S. J. - 2000a: Dust. *Natural Sciences Conservation Group Newsletter*, **11**: 7-8.
- Moore, S. J. - 2000b: Two conservation Problems. *Natural Sciences Conservation Group Newsletter*, **13**: 9-10.
- Moore, S. J. - 20001a: BCG trip to Budapest Natural History Museum, October 2000. *Natural Sciences Conservation Group Newsletter*, **16**: 22-24.
- Moore, S. J. - 2001b: Transferring biological specimens to alcohol. *Natural Sciences Conservation Group Newsletter*, **17**: 43-45.
- Moore, S. J. - 2002a: Museum rescue - saving disposed and deaccessioned material. *Natural Sciences Conservation Group Newsletter*, **18**: 14-16.
- Moore, S. J. - 2002b: Two talks from seminar, *Fluid Preservation - do we really understand it?* A brief history of fluid preservation, some basic facts about it, including labels and inks. (Also) Histological effects of fixation and long-term preservation. Preservatives - are they beneficial or not? *Natural Sciences Conservation Group Newsletter*, **19**: 21-24 & 24-26.
- Moore, S. J. - 2002c: Leaching and degradation of lipids in zoological fluid-preserved collections. *The Biology Curator*, **22**: 44-46.
- Moore, S. J. - 2002d: A future for the Egerton collection of mammal trophies at Tatton Park? *Views* (National Trust), **36**: 36-38.
- Moore, S. J. - 2003a: *Steatoda*: Biting experiences. *News1. Br arachnol. Soc.* **96**: 8.
- Moore, S. J. - 2003b: *Segestria florentina* (Rossi, 1790): Experiences in Aggression or panic? *News1. Br arachnol. Soc.* **96**: 20.
- Moore, S. J. - 2003c: Spiders in the fruit bowl. *Hampshire Now*, **10**: 16.
- Moore, S. J. - 2003d: Contributions for Natural Science Materials, *In: Looking after Antiques*, (Eds. Halahan, F & Plowden, A). The National Trust, London.
- Moore, S. J. - 2003e: Natural Sciences Conservation in the UK. *NatSCA News*, **1**: 42-3.
- Moore, S.J. - 2004a: (Review for workshop) Solving fungal problems in heritage collections. *NatSCA News*, **2**: 34-5.
- Moore, S. J. - 2004b: (Book review) Rowland Ward, taxidermist to the world. *NatSCA News*, **2**: 41-2.
- Moore, S. J. - 2004c: Open display and handling collections. *NatSCA News*, **3**: 9-10.
- Moore, S. J. - 2004d: Potter's Museum of Curiosities: a personal recollection of a recently-dispersed collection. *NatSCA News*, **3**: 57-58.
- Moore, S. J. - 2004e: Ol' Yellow Belly: a problem with stoat ventral fur. *NatSCA News*, **4**: 31.
- Moore, S. J. - 2004f: Cleaning dusty feathers, a technique that works! *NatSCA News*, **4**: 32-33.
- Moore, S. J. - 2004g: Removing pooled fat and mothproofing freeze-dried mammals by perfusion. *NatSCA News*, **4**: 33-34.

- Moore, S. J. – 2005a: Repair of a foetal elephant's foot at the Cole Museum, Reading University. *NatSCA News*, **5**: 21-24.
- Moore, S. J. – 2005b: The origins of NatSCA- a personal history. *NatSCA News*, **4**: 31.
- Moore, S. J. – 2005c: Natural History Collections. In: *Manual of Housekeeping*, (Ed. Cronyn, J). The National Trust, Elsevier, London.
- Moore, S. J. – 2005d: Poster review and extra information from the SPNHC NatSCA Conference 2005. *NatSCA News*, **6**: 46-48.
- Moore, S. J. – 2005e: Use of Japanese tissues in repair of natural science specimens. *NatSCA News*, **7**: 8-14.
- Moore, S. J. – 2005f: Problems with lipid and fluid-preserved specimens. *NatSCA News*, **7**: 14-15.
- Moore, S. J. – 2006a: Conserving transparencies (specimens). *NatSCA News*, **8**: 12-14.
- Moore, S. J. – 2006b: The mycoherbarium at Hampshire County Council Museums Service: storage and preparation issues. *NatSCA News*, **9**: 4-5.
- Moore, S. J. – 2006c: A personal review of the Liverpool Conference. *NatSCA News*, **9**: 49-51.
- Moore, S. J. – 2006d: Book review for *A guide to the restoration of antique taxidermy specimens*. Rex Merchant. *NatSCA News*, **9**: 52.
- Moore, S. J. – 2006e: Overcoming problems with resin (embedment preparation) blocks. *NatSCA News*, **10**: 17-21.
- Moore, S. J. – 2007a: Japanese Tissues: uses in repairing natural science specimens. *Collection Forum* **21** (1): 126-132.
- Moore, S. J. – 2007b: Overview of the NatSCA Biochemistry Seminar. *NatSCA News*, **11** : 25-27.
- Moore, S. J. – 2007c: Old jar sealants. *NatSCA News*, **12** : 20-22.
- Moore, S. J. – 2007d: INP, Table Ronde, Grande Galerie d'Evolution, Paris, December 2006 (review). *NatSCA News*, **12** : 42-44.
- Moore, S. J. – 2008a: Updates on computer printer inks and papers for internal labelling of fluid-preserved specimens. *NatSCA News*, **15**: 36-40.
- Moore, S.J. – 2008b:
- Moore, S. J. - 200x: Physical damage and Neglect, two conservation issues. *NatSCA News*, : (in press).

Informations complémentaires disponibles sur Internet

1. Fiches de Conserve o gram

Editées par National Park Service – US Dept of the Interior – Museum Management Program - Washington, DC

http://www.nps.gov/history/museum/publications/consveogram/cons_toc.html

A signaler

- 11/1 Removing Wet Specimens from Long-Term Storage in Formalin 1993
- 11/3 Storage Concerns for Fluid-Preserved Collections 1999
- 11/4 Storage Containers and Labels for Fluid-Preserved Collections 1999
- 11/5 Re-Use of Ethanol in Processing Biological Specimens 2003
- 11/13 Shipping and Handling of Natural History Wet Specimens Stored in Fluids as "Dangerous Goods" - Hazardous Materials 2007

2. Le formol aspects toxicologiques et substituts

Le formol classé cancérigène pour l'homme par le CIRC :

[http://www.inrs.fr/INRS-](http://www.inrs.fr/INRS-PUB/inrs01.nsf/inrs01_search_view_view/466AB2955B53F2B8C1256ECF00434359/$FILE/visu.html?OpenElement)

[PUB/inrs01.nsf/inrs01_search_view_view/466AB2955B53F2B8C1256ECF00434359/\\$FILE/visu.html?OpenElement](http://www.inrs.fr/INRS-PUB/inrs01.nsf/inrs01_search_view_view/466AB2955B53F2B8C1256ECF00434359/$FILE/visu.html?OpenElement)

"Formaldehyde, 2-Butoxyethanol and 1-tert-Butoxypropan-2-ol". Monographie. Vol. 88. CIRC. 2006, 16 p. (fichier pdf)

<http://monographs.iarc.fr/ENG/Monographs/vol88/volume88.pdf>

"Aldéhyde formique et solutions aqueuses". Fiche toxicologique. INRS. FT 7. 2008, 12 p.

[http://www.inrs.fr/INRS-PUB/inrs01.nsf/IntranetObject-accesParReference/FT%207/\\$File/Visu.html](http://www.inrs.fr/INRS-PUB/inrs01.nsf/IntranetObject-accesParReference/FT%207/$File/Visu.html)

"Le formaldéhyde". Fiche Le point des connaissances sur... INRS. ED 5032. 2008, 4 p. (format pdf)

[http://www.inrs.fr/INRS-PUB/inrs01.nsf/IntranetObject-accesParReference/ED%205032/\\$File/ed5032.pdf](http://www.inrs.fr/INRS-PUB/inrs01.nsf/IntranetObject-accesParReference/ED%205032/$File/ed5032.pdf)

Wolf, Catherine. Substituts du formol étude préliminaire comparative des performances des substituts pour différents examens réalisés en ACP HE, colorations spéciales, IHC, SISH, ADN et ARN. 2007.

71 p.

http://www.afaqap.org/ecrire/upload/Result_Substituts_formol.pdf