



NatSCA

Natural Sciences Collections Association

<http://www.natsca.org>

Journal of Biological Curation

Title: References for Zoological Preservation and Conservation Techniques

Author(s): Harris, R. H.

Source: Harris, R. H. (1990). References for Zoological Preservation and Conservation Techniques.

Journal of Biological Curation, Volume 1 Number 2, 67 - 68.

URL: <http://www.natsca.org/article/1043>

NatSCA supports open access publication as part of its mission is to promote and support natural science collections. NatSCA uses the Creative Commons Attribution License (CCAL) <http://creativecommons.org/licenses/by/2.5/> for all works we publish. Under CCAL authors retain ownership of the copyright for their article, but authors allow anyone to download, reuse, reprint, modify, distribute, and/or copy articles in NatSCA publications, so long as the original authors and source are cited.

Zoological Preservation and Conservation Techniques.

R. H. Harris

References

- Altmann, R. (1890). Die Elementarorganismen und ihre Beziehungen zur den Zellen. Leipzig: Veit.
- Baylis, W. M. (1924). *Principles of General Physiology*. Longmans Green and Company, New York.
- Birch, T. (1746). *A history of the Royal Society*. London 4 volumes.
- Cole, F. J. (1921). The history of Anatomical Injections Studies in the History and Method in Science. Ed. Charles Singer II 8vo Oxford University Press 285-343.
- Cole, F. J. (1944). *A history of comparative anatomy from Aristotle to the eighteenth century*. Macmillan & Co Ltd, London.
- Cornwell, W. S. (1934). The demonstration of intact mammalian and amphibian nervous systems by maceration of whole animals. *Science* **79**: 162 -163.
- Cumley, W. J. Craw, J. & Griffin A. (1939). Clearing specimens for the demonstration of bone. *Stain. Tech.* **14**: 7 - 11.
- Davies, D. A. L. (1954). On the preservation of insects by drying in vacuo at low temperatures. *Entomologist*, **87**: 36.
- Davies, D. A. L. (1956). Preservation of animals and plants by drying from the frozen state. *Nature*, **177 (2)** 657-658.
- Davies, D. A. L. (1962). The preservation of the larger fungi by freeze drying. *Trans. Brit. mycol. Soc.* **54 (3)**: 424-428.
- Dingerkus, G and Uhler, L. D. (1977). Enzyme cleaning of Alcian blue stained whole small vertebrates for demonstration of cartilage. *Stain Tech.* **52**: No. 4.
- Engel, H. (1937). The life of Albert Seba. *Svenska linnésällsk. Arsskr.* **20**, 75-100.
- Gersh, I. (1932). The Altmann technique for fixation by drying while freezing. *Anat. Rec.* **53 (3)**, 309-337.
- Gray, P. (1939). The preparation of alizarine transparencies *Museums J.* **28**, 341 - 342.
- Grew, N. (1681). *Museum Regalis Societatis; or a description of the natural and artificial rarities belonging to the Royal Society and preserved at Gresham College...Whereunto is subjoined the comparative anatomy of stomachs and guts. 2 parts, illus.* London.
- Gunther, R. (1927). *The diary and will of Elias Ashmole*. London.
- Guyer, M. F. (1936). *Animal Micrology* Univ. Chicago Press, Chicago.
- Hall, E. R. & Russell, W. C. (1933). Dermestid beetles as an aid to cleaning bones. *J. Mammal.* **14**, 372 - 373.
- Harris, R. H. (1959). Small vertebrate skeletons. *Museums J.* **58**, 223 - 224.
- Harris, R. H. (1960). Alizarine transparencies. *Museums J.* **60**, 99 - 101.
- Harris, R. H. (1964). Vacuum Dehydration and freeze-drying of entire biological specimens. *Ann. Mag. Nat. Hist. Ser.* **13, 7**, 65-74, February.
- Harris, R. H. (1965). A simple technique for embedding and supporting biological specimens. *Nature.Lond.* **208**, 199.
- Harris, R. H. (1968). A new apparatus for freeze-drying whole biological specimens. *Medical and Biological Illustration* **18 (3)**.
- Haskins, R. H. (1960). Freeze drying of macro fungi for display. *Mycologia*, **50**, **11 (1)**, 161-164.

- Hochstetter, F. (1927). Die Paraffindurchtrankung zur Erhaltung von Tieren und Pflanzen in ihrem natürlichen Aussehen. *Die Umschau* **31**, 650-652.
- Hower, R. H. (1964). Freeze-drying biological specimens. *Museum News. Tech. Supp. 1* Washington, D. C.
- Kleiss, E. & Simonsberger, P. (1964). La Parafinizacion Como Metodo Morfologico. Universidad de los Andes, Facultad de Medicina, Merida, Venezuela.
- Knower, H. McE. (1908). Injection methods. *Anat. Rec.* **40, II**.
- Luther, P. G. (1949). Enzymatic maceration of skeletons. *Proc. Linn. Soc. Lond.* **161**, 146 - 147.
- Mann, G. (1902). *Physiological Histology*. Clarendon Press, Oxford.
- Mathews, A.O. P. (1925). *Physiological Chemistry*, 4th ed. W. Wood and Company, New York.
- Mercie, F. L. (1948). Preparation des collections vegetales par dessiccation sous vide (Nouvelles Observations). *Bull. Soc. bot. Fr.* **95**, 38-43.
- Meryman, H. T. (1960). The preparation of biological museum specimens by freeze drying. *Curator*, **1 (3)**, 5-19.
- Meryman, H. T. (1961). The preparation of biological museum specimens by freeze drying. (Instrumentation). *Curator*, **4 (2)**, 153-174.
- Meyer, H. (1954). Macroscopic brain dissection in veterinary anatomy. *J. Vet. Research* **15**, 143-146
- Mulligan, J. H. (1931). A method of staining the brain for macroscopic study. *J. Anat. London* **65**: 468 -472.
- Pecina, P. & Porket, J. (1975). Zu anwendung der schabenart *Nauphoeta cinerea* zum skelettieren. *Paparatur* **2**, 428 - 429.
- Rack, E. (1951). Die Paraffin Methode fur anatomisches Sammlungspräparate. *Anat. Anz.* **98**: 6-9.
- Romeis, B. (1928). Tashenbuch der mikroskopischen Technik Munschen und Berlin: Oldenburg.
- Rowe, T. (1960). The theory and practice of freeze drying. *Ann. N. Y. Acad. Sci.* **85**, 679-681.
- Ruysch, F. (1710). *Thesaurus animalium*. Primus, Amstelaedan 4to.
- Sealander, J. A. & Leonard, R. G. (1954). Use of crayfish in cleaning skeletal material *J. Mammal.* **35**, 428 - 429.
- Singer, C. J. (1957). *A Short History of Anatomy from the Greeks to Harvey*. Dover Publications, New York.
- Smith, J. L. (1944). A neutral solution of formaldehyde for biological purposes. *Trans. R. Soc. S. Afr. Sept.*, 279-282.
- Stadelmann, E. J. (1959). The use of Mercie's method of freeze drying for the preparation of fungi for demonstration. *Proc. IX. Int. bot. Cong. Montreal.* **11**, 376.
- Steedman, H. F. (1976). *Zooplankton fixation and preservation*. UNESCO Press, Paris.
- Swammerdam, J. (1681). *Historia Insectorum generalis, ofte algemeene verhandeling van de Bloedeloose Dierkens etc.* [in Dutch] pp.xxiv, 168, (48) 1 tab., 13pl. Utrecht.
- Tindale, N. B. (1962). The chlorocresol method for field collecting. *Journ. Lepid. Soc.* **3**, 195-197.
- Tompsett, D. H. (1970). *Anatomical Techniques*. 2nd Edition. Livingstone, London.
- Van Wijhe, J. (1902). A new method of demonstrating cartilaginous microskeletons *Proc. K. Med. Akad. Wet. Amsterdam* **31**, 47 - 50.
- Wolhard, D. (1951). Eine neue Methode zur Konservierung des Herzens. *Bull. Int. Ass. Med. Mus.* **5**, 48-49
- Woodring, J. P. & Blum, M. S. (1963a). Preservation of insect larvae by vacuum dehydration. *Journ. Kansas. Ent. Soc.* **36 (2)**.
- Woodring, J. P. & Blum, M. S. (1963b). Freeze drying of spiders and immature insects. *Ann. Ent. Soc. Amer.* **56 (2)**, 138-141.
- Yoshida, Y. (1962). A way of making fish specimens with their original colours kept. *Bull. Misaki. Mar. Biol. Inst.* **3**, 67-68.