

Fishes 2006

(includes publications since the last list and some that were not included in the last list)

Compiled by P. Hansen

Amorim, M. C. P. & Almada, V. C. (2005). The outcome of male-male encounters affects subsequent sound production during courtship in the cichlid fish *Oreochromis mossambicus*. *Anim. Behav.*, **69**, 595-601.

Amorim, M. C. P. & Hawkins, A. D. (2005). Ontogeny of acoustic and feeding behaviour in the grey gurnard, *Eutrigla gurnardus*. *Ethology*, **111**, 255-269.

Amorim, M. C. P., Stratoudakis, Y. & Hawkins, A. D. (2004). Sound production during competitive feeding in the grey gurnard. *J. Fish Biol.*, **65**, 182-194.

Amorim, M. C. P., Knight, M. E., Stratoudakis, Y. & Turner, G. F. (2004). Differences in sounds made by courting males of three closely related Lake Malawi cichlid species. *J. Fish Biol.*, **65**, 1358-1371.

Amoser, S. & Ladich, F. (2005). Are hearing sensitivities of freshwater fish adapted to the ambient noise in their habitats? *J. Exp. Biol.*, **208**, 3533-3542.

Amoser, S., Wysocki, L. E. & Ladich, F. (2004). Noise emission during the first powerboat race in an Alpine lake and potential impact on fish communities. *J. Acoust. Soc. Am.*, **116**, 3789-3797.

Casper, B. M. & Mann, D. A. (2006). Evoked potential audiograms of the nurse shark (*Ginglymostoma cirratum*) and the yellow stingray (*Urobatis jamaicensis*). *Envir. Biol. Fish.*, **76**, 101-108.

Cruz, A. & Lombarte, A. (2004). Otolith size and its relationship with colour patterns and sound production. *J. Fish Biol.*, **65**, 1512-1525.

Drastik, V. & Kubecka, J. (2005). Fish avoidance of acoustic survey boat in shallow waters. *Fish. Res.*, **72**, 219-228.

Finstad, J. L. & Nordeide, J. T. (2004). Acoustic repertoire of spawning cod, *Gadus morhua*. *Envir. Biol. Fish.*, **70**, 427-433.

Forbes, J. G., Morris, H. D. & Wang, K. (2006). Multimodal imaging of the sonic organ of *Porichthys notatus*, the singing midshipman fish. *Magn. Resonance Imag.*, **24**, 321-331.

Forlano, P. M. & Bass, A. H. (2005). Seasonal plasticity of brain aromatase mRNA expression in glia: Divergence across sex and vocal phenotypes. *J. Neurobiol.*, **65**, 37-49.

Forlano, P. M. & Bass, A. H. (2005). Steroid regulation of brain aromatase expression in glia: Female preoptic and vocal motor nuclei. *J. Neurobiol.*, **65**, 50-58.

Forlano, P. M., Deitcher, D. L. & Bass, A. H. (2005). Distribution of estrogen receptor alpha

- mRNA in the brain and inner ear of a vocal fish with comparisons to sites of aromatase expression. *J. Comp. Neurol.*, **483**, 91-113.
- Kittelberger, J. M., Land, B. R. & Bass, A. H. (2006). Midbrain periaqueductal gray and vocal patterning in a teleost fish. *J. Neurophysiol.*, **96**, 71-85.
- Lagardere, J. P. & Ernande, B. (2004). Acoustic characteristics of two feeding modes used by brown trout (*Salmo trutta*), rainbow trout (*Oncorhynchus mykiss*) and turbot (*Scophthalmus maximus*). *Aquaculture*, **240**, 607-616.
- Lamml, M. & Kramer, B. (2005). Sound production in the reproductive behaviour of the weakly electric fish *Pollimyrus marianne* Kramer et al. 2003 (Mormyridae, Teleostei). *Bioacoustics*, **15**, 51-78.
- Lamml, M. & Kramer, B. (2006). Differentiation of courtship songs in parapatric sibling species of dwarf stonebashers from southern Africa (Mormyridae, Teleostei). *Behaviour*, **143**, 783-810.
- Lovel, J. M., Findlay, M. M., Moate, R. M. & Pilgrim, D. A. (2005). The polarization of inner ear ciliary bundles from a scorpaeniform fish. *J. Fish Biol.*, **66**, 836-846.
- Lychakov, D. V. & Rebane, Y. T. (2005). Fish otolith mass asymmetry: morphometry and influence on acoustic functionality. *Hear. Res.*, **201**, 55-69. (Correction: *Hear. Res.*, **207**, 117-118)
- Lychakov, D. V., Rebane, Y. T., Lombarte, A., Fuiman, L. A. & Takabayashi, A. (2006). Fish otolith asymmetry: Morphometry and modeling. *Hear. Res.*, **219**, 1-11.
- Mann, D. A., Popper, A. N. & Wilson, B. (2005). Pacific herring hearing does not include ultrasound. *Biology Lett.*, **1**, 158-161.
- Nedwell, J. R., Turnpenny, A. W. H., Lovell, J. M. & Edwards, B. (2006). An investigation into the effects of underwater piling noise on salmonids. *J. Acoust. Soc. Am.*, **120**, 2550-2554.
- Onuki, A., Ohmori, Y. & Somiya, H. (2006). Spinal nerve innervation to the sonic muscle and sonic motor nucleus in red piranha, *Pygocentrus nattereri* (Caraciformes, Ostariophysii). *Brain Behav. Evol.*, **67**, 111-122.
- Parmentier, E., Fine, M., Vandewalle, P., Ducamp, J. J. & Lagardere, J. P. (2006). Sound production in two carapids (*Carapus acus* and *C. mourlani*) and through the sea cucumber tegument. *Acta Zool.*, **87**, 113-119.
- Parmentier, E., Lagardere, J. P., Vandewalle, P. & Fine, M. L. (2005). Geographical variation in sound production in the anemonefish *Amphiprion akallopisos*. *Proc. R. Soc. B.*, **272**, 1697-1703.
- Parmentier, E., Lagardere, J.-P., Braquegnier, J.-B., Vandewalle, P. & Fine, M. L. (2006). Sound production mechanism in carapid fish: first example with a slow sonic muscle. *J. Exp. Biol.*, **209**, 2952-2960.

- Parmentier, E., Vandewalle, P. & Lagardere, J. P. (2003). Sound-producing mechanisms and recording in *Carapini* species (Teleostei, Pisces). *J. Comp. Physiol. A.*, **189**, 283-292.
- Parmentier, E., Vandewalle, P., Frederich, B. & Fine, M. L. (2006). Sound production in two species of damselfishes (Pomacentridae): *Plectroglyphidodon lacrymatus* and *Dascyllus aruanus*. *J. Fish Biol.*, **69**, 491-503.
- Popper, A. N., Smith, M. E., Cott, P. A., Hanna, B. W., MacGillivray, A. O., Austin, M. E. & Mann, D. A. (2005). Effects of exposure to seismic airgun use on hearing of three fish species. *J. Acoust. Soc. Am.*, **117**, 3958-3971.
- Ramcharitar, J. & Popper, A. N. (2004). Masked auditory thresholds in scianid fishes: A comparative study. *J. Acoust. Soc. Am.*, **116**, 1687-1691.
- Ramcharitar, J. U., Higgs, D. M. & Popper, A. N. (2006). Audition in sciaenid fishes with different swim bladder-inner ear configurations. *J. Acoust. Soc. Am.*, **119**, 439-443.
- Remage-Healey, L. & Bass, A. H. (2004). Rapid, hierarchical modulation of vocal patterning by steroid hormones. *J. Neurosci.*, **24**, 5892-5900.
- Remage-Healey, L. & Bass, A. H. (2005). Rapid elevations in both steroid hormones and vocal signaling during playback challenge: a field experiment in gulf toadfish. *Horm. Behav.*, **47**, 297-305.
- Remage-Healey, L. & Bass, A. H. (2006). From social behavior to neural circuitry: Steroid hormones rapidly modulate advertisement calling via a vocal pattern generator. *Horm. Behav.*, **50**, 432-441.
- Remage-Healey, L., Nowacek, D. P. & Bass, A. H. (2006). Dolphin foraging sounds suppress calling and elevate stress hormone levels in a prey species, the gulf toadfish. *J. Exp. Biol.*, **298**, 4444-4451.
- Ripley, J. L. & Foram, C. M. (2006). The all-clear call: Utilization of sound production by two sympatric pipefish species as an indicator of feeding activity and ecosystem health. *Mar. Environ. Res.*, **62**, Suppl. S., S405-S406.
- Ripley, J. L. & Lobel, P. S. (2004). Correlation of acoustic and visual signals in the cichlid fish, *Tramitichromis intermedius*. *Environ. Biol. Fish.*, **71**, 389-394.
- Roestad, A., Kaartvedt, S., Klevjer, T. A. & Melle, W. (2006). Fish are attracted to vessels. *ICES J. Mar. Sci.*, **63**, 1431-1437.
- Rowe, S. & Hutchings, J. A. (2004). The function of sound production by Atlantic cod as inferred from patterns of variation in drumming muscle mass. *Can. J. Zool.*, **82**, 1391-1398.
- Scholz, K. & Ladich, F. (2006). Sound production, hearing and possible interception under ambient noise conditions in the topmouth minnow *Pseudorasbora parva*. *J. Fish Biol.*, **69**, 892-906.

- Simpson, S. D., Meekan, M., Montgomery, J., McCauley, R. & Jeffs, A. (2005). Homeward sound. *Science*, **308**, 221.
- Sisneros, J. A. & Bass, A. H. (2005). Ontogenetic changes in the response properties of individual, primary auditory afferents in the vocal plainfin midshipman fish *Porichthys notatus* Girard. *J. Exp. Biol.*, **208**, 3121-3131.
- Smith, M. E., Coffin, A. B., Miller, D. L. & Popper, A. N. (2006). Anatomical and functional recovery of the goldfish (*Carassius auratus*) ear following noise exposure. *J. Exp. Biol.*, **209**, 4193-4202.
- Smith, M. E., Kane, A. S. & Popper, A. N. (2004). Acoustical stress and hearing sensitivity in fishes: does the linear threshold shift hypothesis hold water? *J. Exp. Biol.*, **207**, 3591-3602.
- Sonny, D., Knudsen, F. R., Enger, P. S., Kvernstuen, T. & Sand, O. (2006). Reactions of cyprinids to infrasound in a lake and at the cooling water inlet of a nuclear power plant. *J. Fish Biol.*, **69**, 735-748.
- Sprague, M. W. & Luczkovich, J. J. (2004). Measurement of an individual silver perch *Bairdiella chrysoura* sound pressure level in a field recording. *J. Acoust. Soc. Am.*, **116**, 3186-3191.
- Taylor, R. M., Pegg, M. A. & Chick, J. H. (2005). Response of bighead carp to a bioacoustic behavioural fish guidance system. *Fish. Manage. Ecol.*, **12**, 283-286.
- Thomsen, F., Luedemann, K., Kafemann, R. & Piper, W. (2006). Effects of wind farm noise on marine mammals and fish. *COWRIE (Coll. Offshore Wind Res. Environ.)*. Report. 62 pp.
- Tomchik, S. M. & Lu, Z. M. (2006). Auditory physiology and anatomy of octavolateral efferent neurons in a teleost fish. *J. Comp. Physiol. A.*, **192**, 51-67.
- Weeg, M. S., Land, B. R. & Bass, A. H. (2005). Vocal pathways modulate efferent neurons to the inner ear and lateral line. *J. Neurosci.*, **25**, 5967-5974.
- Zakon, H. (2004). Heeding the hormonal call. *Science*, **305**, 349-350.
- Zeddies, D. G. & Fay, R. R. (2005). Development of the acoustically evoked behavioral response in zebrafish to pure tones. *J. Exp. Biol.*, **208**, 1363-1372.