

# Insects 2004

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

Compiled by P. Hansen

Aguilar, I. & Briceno, D. (2002). Sounds in *Melipona costaricensis* (Apidae: Meliponini): effect of sugar concentration and nectar source distance. *Apidologie*, **33**, 375-388.

Bennet-Clark, H. C. (2003). Wing resonances in the Australian field cricket *Teleogryllus oceanicus*. *J. Exp. Biol.*, **206**, 1479-1496.

Biesmeijer, J. C. (2003). The occurrence and context of tremble dancing in free-foraging honey bees (*Apis mellifera*). *Behav. Ecol. Sociobiol.*, **53**, 411-416.

Briceno, R. D., Eberhard, W. G., Vilardi, J. C., Liedo, P. & Shelly, T. E. (2002). Variation in the intermittent buzzing songs of male medflies (Diptera: Tephritidae) associated with geography, mass-rearing, and courtship success. *Fla. Entomol.*, **85**, 32-40.

Bridle, J. R. & Butlin, R. K. (2002). Mating signal variation and bimodality in a mosaic hybrid zone between *Chorthippus* grasshopper species. *Evolution*, **56**, 1184-1198.

Chang, Y. & Kang, L. (2002). Characteristics and function of courtship song of insects and its ecological significances. *Zool. Res.*, **23**, 419-425.

Chesmore, D. (2004). Automated bioacoustic identification of species. *An. Acad. Bras. Cienc.*, **76**, 436-440.

Cokl, A. & Virant-Doberlet, M. (2003). Communication with substrate-borne signals in small plant-dwelling insects. *Annu. Rev. Entomol.*, **48**, 29-50.

Cokl, A., McBrien, H. L. & Millar, J. G. (2001). Comparison of substrate-borne vibrational signals of two stink bug species, *Acrosternum hilare* and *Nezara viridula* (Heteroptera: Pentatomidae). *Ann. Entomol. Soc. Am.*, **94**, 471-479.

Cokl, A., Stritih, N. & Virant-Doberlet, M. (2002). Tuning of green stink bug substrate-borne songs with the transmission properties of host plants. *Bioacoustics*, **13**, 102.

Cooley, J. R. & Marshall, D. C. (2001). Sexual signaling in periodical cicadas, *Magicicada* spp. (Hemiptera: Cicadidae). *Behaviour*, **138**, 827-855.

Costa, C. T. A. & Sene, F. M. (2002). Characterization of courtship sounds of species of the subgroup *fasciola* (Diptera, Drosophilidae, *Drosophila repleta* group): Interspecific and interpopulational analyses. *Brazilian J. Biol.*, **62**, 573-583.

Couldridge, V. C. K. & van Staaden, M. J. (2004). Habitat-dependent transmission of male advertisement calls in bladder grasshoppers (Orthoptera: Penumoridae). *J. Exp. Biol.*, **207**, 2777-2786.

David, J. A. O., Zefa, E. & Fontanetti, C. S. (2003). Cryptic species of *Gryllus* in the light of bioacoustic (Orthoptera: Gryllidae). *Neotrop. Entomol.*, **32**, 75-80.

Desutter-Grandcolas, L. & Robillard, T. (2004). Acoustic evolution in crickets: need for phylogenetic study and a reappraisal of signal effectiveness. *An. Acad. Bras. Cienc.*, **76**, 301-315.

Desutter-Grandcolas, L., Metrani, S. & Balakrishnan, R. (2003). Systematics and song structure of *Prozvenella bangalorensis* sp. n. with a discussion of song features in Podoscirtini crickets (Orthoptera, Grylloidea, Podoscirtidae). *Insect Syst. Evol.*, **34**, 221-237.

Djemai, I., Casas, J. & Magal, C. (2004). Parasitoid foraging decisions mediated by artificial vibrations. *Anim. Behav.*, **67**, 567-571.

- Donahoe, K., Lewis, L. A. & Schneider, S. S. (2003). The role of the vibration signal in the house-hunting process of honey bee (*Apis mellifera*) swarms. *Behav. Ecol. Sociobiol.*, **54**, 593-600.
- Ferreira, M. & Ferguson, J. W. H. (2002). Geographic variation in the calling song in the field cricket *Gryllus bimaculatus* (Orthoptera: Gryllidae) and its relevance to mate recognition and mate choice. *J. Zool.*, **257**, 163-170.
- Field, L. H. & Roberts, K. L. (2003). Novel use of hair sensilla in acoustic stridulation by New Zealand giant wetas (Orthoptera: Anostostomatidae). *Arthropod Struct. Dev.*, **31**, 287-296.
- Garcia-Novo, P. (2002). Genitalia, acoustics and chromosomes of *Urogryllus toledopizai* (Orthoptera: Gryllidae). *Trans. Am. Entomol. Soc.*, **128**, 31-42.
- Gerhardt, H. C. & Huber, F. (2002). *Acoustic Communication in Insects and Anurans: Common Problems and Diverse Solutions*. University of Chicago Press; Chicago.
- Gogala, M. & Trilar, T. (2003). Video analysis of wing clicking in cicadas of the genera *Cicadatra* and *Pagiphora* (Homoptera: Auchenorrhyncha: Cicadoidea). *Acta Entomol. Slov.*, **11**, 5-15.
- Gogala, M. & Trilar, T. (2004). Bioacoustic investigations and taxonomic considerations on the *Cicadetta montana* species complex (Homoptera: Cicadoidea: Tibicinidae). *An. Acad. Bras. Cienc.*, **76**, 316-324.
- Greenfield, M. D. & Baker, M. (2003). Bat avoidance in non-aerial insects: The silence response of signaling males in an acoustic moth. *Ethology*, **109**, 427-442.
- Greenfield, M. D. & Snedden, W. A. (2003). Selective attention and the spatio-temporal structure of orthopteran choruses. *Behaviour*, **140**, 1-26.
- Greenfield, M. D., Siegfried, E. & Snedden, W. A. (2004). Variation and repeatability of female choice in a chorusing katydid, *Ephippiger ephippiger*: An experimental exploration of the precedence effect. *Ethology*, **110**, 287-299.
- Greenfield, M. D., Tourtellot, M. I., Tillberg, C., Bell, W. I. & Prins, N. (2002). Acoustic orientation via sequential comparison in an ultrasonic moth. *Naturwissenschaften*, **89**, 376-380.
- Hammond, T. J. & Bailey, W. J. (2003). Eavesdropping and defensive auditory masking in an Australian bushcricket, *Caedicia* (Phaneropterinae: Tettigoniidae: Orthoptera). *Behaviour*, **140**, 79-95.
- Hammond, T. J., Bailey, W. J. & Hammond, G. R. (2003). An automatic acoustic response system for behavioural studies of duetting insects. *Bioacoustics*, **14**, 3-14.
- Helversen, D. von, Balakrishnan, R. & von Helversen, O. (2004). Acoustic communication in a duetting grasshopper: receiver response variability, male strategies and signal design. *Anim. Behav.*, **68**, 131-144.
- Hennig, R. M. (2003). Acoustic feature extraction by cross-correlation in crickets? *J. Comp. Physiol., A.*, **189**, 589-598.
- Henry, C. S., Brooks, S. J., Duelli, P. & Johnson, J. B. (2002). Discovering the true *Chrysoperla carnea* (Insecta: Neuroptera: Chrysopidae) using song analysis, morphology, and ecology. *Ann. Entomol. Soc. Am.*, **95**, 172-191.
- Henry, C. S., Martinez-Wells, M. L. & Holsinger, K. E. (2002). The inheritance of mating songs in two cryptic, sibling lacewing species (Neuroptera: Chrysopidae: *Chrysoperla*). *Genetica*, **116**, 269-289.
- Hill, P. S. M., Hoffart, C. & Buchheim, M. (2002). Tracing phylogenetic relationships in the family Gryllotalpidae. *J. Orthoptera Res.*, **11**, 169-174.
- Hoffart, C., Jones, K. & Hill, P. S. M. (2002). Comparative morphology of the stridulatory apparatus of the Gryllotalpidae (Orthoptera) of the continental United States. *J. Kans. Entomol. Soc.*, **75**, 123-131.

- Holzer, B., Jacot, A. & Brinkhof, M. W. G. (2003). Condition-dependent signaling affects male sexual attractiveness in field crickets, *Gryllus campestris*. *Behav. Ecol.*, **14**, 353-359.
- Hoy, R. (2002). Tuning in by turning off. *Nature*, **418**, 831-833.
- Huttunen, S. & Aspi, J. (2003). Complex inheritance of male courtship song characters in *Drosophila virilis*. *Behav. Genet.*, **33**, 17-24.
- Huttunen, S., Vieira, J. & Hoikkala, A. (2002). Nucleotide and repeat length variation at the nonA gene of the *Drosophila virilis* group species and its effects on male courtship song. *Genetica*, **115**, 159-167.
- Jones, G., Barabas, A., Elliott, W. & Parsons, S. (2002). Female greater wax moths reduce sexual display behavior in relation to the potential risk of predation by echolocating bats. *Behav. Ecol.*, **13**, 375-380.
- Klappert, K. & Reinhold, K. (2003). Acoustic preference functions and sexual selection on the male calling song in the grasshopper *Chorthippus biguttulus*. *Anim. Behav.*, **65**, 225-233.
- Lakes-Harlan, R. & Koehler, U. (2003). Influence of habitat structure on the phonotactic strategy of a parasitoid fly *Emblemasoma auditrix*. *Ecol. Entomol.*, **28**, 758-765.
- Lehmann, G. U. C. (2003). Review of biogeography, host range and evolution of acoustic hunting in Ormiini (Insecta, Diptera, Tachinidae), parasitoids of night-calling bushcrickets and crickets (Insecta, Orthoptera, Ensifera). *Zool. Anz.*, **242**, 107-120.
- Lewkiewicz, D. A. & Zuk, M. (2004). Latency to resume calling after disturbance in the field cricket, *Teleogryllus oceanicus*, corresponds to population-level differences in parasitism risk. *Behav. Ecol. Sociobiol.*, **55**, 569-573.
- Lorier, E., Garcia, M. D., Clemente, M. E. & Presa, J. J. (2002). Calling behavior and morphology of the stridulatory apparatus in Neotropical grasshoppers (*Aleuas* Staal; Orthoptera). *Stud. Neotrop. Fauna Environ.*, **37**, 71-78.
- Machens, C. K., Schuetze, H., Franz, A., Kolesnikova, O., Stemmler, M. B., Ronacher, B. & Herz, A. V. M. (2003). Single auditory neurons rapidly discriminate conspecific communication signals. *Nat. Neurosci.*, **6**, 341-342.
- Manrique, G. & Schilman, P. E. (2000). Two different vibratory signals in *Rhodnius prolixus* (Hemiptera: Reduviidae). *Acta Tropica*, **77**, 271-278.
- McBrien, H. L. & Miller, J. G. (2003). Substrate-borne vibrational signals of the consperse stink bug (Hemiptera: Pentatomidae). *Can. Entomol.*, **135**, 555-567.
- McBrien, H. L., Cokl, A. & Millar, J. G. (2002). Comparison of substrate-borne vibrational signals of two congeneric stink bug species, *Thyanta pallidovirens* and *T. custator accerra* (Heteroptera: Pentatomidae). *J. Insect Behav.*, **15**, 715-738.
- Mendelson, T. C. & Shaw, K. L. (2002). Genetic and behavioral components of the cryptic species boundary between *Laupala cerasina* and *L. kohalensis* (Orthoptera: Gryllidae). *Genetica*, **116**, 301-310.
- Miklas, N., Cokl, A., Renou, M. & Virant-Doberlet, M. (2003). Variability of vibratory signals and mate choice selectivity in the southern green stink bug. *Behav. Processes*, **61**, 131-142.
- Miklas, N., Lasnier, T. & Renou, M. (2003). Male bugs modulate pheromone emission in response to vibratory signals from conspecifics. *J. Chem. Ecol.*, **29**, 561-574.
- Miklas, N., Renou, M. & Cokl, A. (2002). The vibratory song repertoire of the southern green stink bug *Nezara viridula* from France. *Bioacoustics*, **13**, 101-102.

- Montealegre-Z., F. & Morris, G. K. (2004). The spiny devil katydids, *Panacanthus* Walker (Orthoptera: Tettigoniidae): an evolutionary study of acoustic behaviour and morphological traits. *Syst. Entomol.*, **29**, 21-57.
- Moulin, B., Aubin, T., Rybak, F. & Jallon, J. M. (2002). Ontogenesis of *Drosophila* courtship song: a comparative study of two sibling species *D. melanogaster* and *D. simulans*. *Bioacoustics*, **13**, 78.
- Mueller, P. & Robert, D. (2002). Death comes suddenly to the unprepared: singing crickets, call fragmentation, and parasitoid flies. *Behav. Ecol.*, **13**, 598-606.
- Nieh, J. C., Contrera, F. A. L., Rangel, J. & Imperatriz-Fonseca, V. L. (2003). Effect of food location and quality on recruitment sounds and success in two stingless bees, *Melipona mandacaia* and *Melipona bicolor*. *Behav. Ecol. Sociobiol.*, **55**, 87-94.
- Nielsen, O. F. (2003). *Chorthippus jutlandica* sp. nov. - a new grasshopper found in Jutland, Denmark (Saltatoria, Acrididae, Gomphocerinae). *Ent. Meddr.*, **71**, 41-51.
- Ohya, E. (2002). A series of courtship chirps in a pleasing fungus beetle *Dacne picta*. *Bioacoustics*, **13**, 91-92.
- Ohya, E. (2004). Identification of *Tibicen* cicada species by a principal components analysis of their songs. *An. Acad. Bras. Cienc.*, **76**, 442-444.
- Oshinsky, M. L. & Hoy, R. R. (2002). Physiology of the auditory afferents in an acoustic parasitoid fly. *J. Neurosci.*, **22**, 7254-7263.
- Paeaellysaho, S., Aspi, J., Liimatainen, J. O. & Hoikkala, A. (2003). Role of X chromosomal song genes in the evolution of species-specific courtship songs in *Drosophila virilis* group species. *Behav. Genet.*, **33**, 25-32.
- Palestrini, C., Pensati, F., Barbero, E., Reyes-Castillo, P. & Zunino, M. (2003). Differences in distress signals of adult passalid beetles (Coleoptera Passalidae). *Boll. Soc. Entomol. Ital.*, **135**, 45-53.
- Popov, A. V., Sitnik, N. A., Savvateeva-Popova, E. V., Wolf, R. & Heisenberg, M. (2003). The role of central parts of the brain in the control of sound production during courtship in *Drosophila melanogaster*. *Neurosci. Behav. Physiol.*, **33**, 53-66.
- Popple, L. W. (2003). A new species of *Cicadette* Amyot (Hemiptera: Cicadidae) from Queensland, with notes on its calling song. *Aust. Entomol.*, **30**, 107-114.
- Poulet, J. F. A. & Hedwig, B. (2002). A corollary discharge maintains auditory sensitivity during sound production. *Nature*, **418**, 872-876.
- Poulet, J. F. A. & Hedwig, B. (2003). Corollary discharge inhibition of ascending auditory neurons in the stridulating cricket. *J. Neurosci.*, **23**, 4717-4725.
- Poulet, J. F. A. & Hedwig, B. (2003). A corollary discharge mechanism modulates central auditory processing in singing crickets. *J. Neurophysiol.*, **89**, 1528-1540.
- Reinhold, K., Reinhold, K. & Jacoby, K. J. (2002). Dissecting the repeatability of female choice in the grasshopper *Chorthippus biguttulus*. *Anim. Behav.*, **64**, 245-250.
- Robert, D. & Goepfert, M. C. (2002). Novel schemes for hearing and orientation in insects. *Curr. Opin. Neurobiol.*, **12**, 715-720.
- Robillard, T. & Desutter-Grandcolas, L. (2004). Evolution of acoustic communication in crickets: phylogeny of Eneopterinae reveals an adaptive radiation involving high-frequency calling (Orthoptera, Grylloidea, Eneopteridae). *An. Acad. Brasil. Cienc.*, **76**, 297-300.
- Rowe, C. (2002). Sound improves visual discrimination learning in avian predators. *Proc. R. Soc. Lond., B.*, **269**, 1353-1357.

- Rybak, F., Aubin, T., Moulin, B. & Jallon, J.-M. (2002). Acoustic communication in *Drosophila melanogaster* courtship: Are pulse- and sine-song frequencies important for courtship success? *Can. J. Zool.*, **80**, 987-996.
- Rybak, F., Moulin, B. & Aubin, T. (2002). The distinct coding systems of the pulse song and the sine song emitted by *Drosophila melanogaster*. *Bioacoustics*, **13**, 81.
- Rybak, F., Sureau, G. & Aubin, T. (2002). Functional coupling of acoustic and chemical signals in the courtship behaviour of the male *Drosophila melanogaster*. *Proc. R. Soc. Lond., B.*, **269**, 695-701.
- Sadowski, J. A., Grace, J. L. & Moore, A. J. (2002). Complex courtship behavior in the striped ground cricket, *Allonemobius socius* (Orthoptera: Gryllidae): Does social environment affect male and female behavior? *J. Insect Behav.*, **15**, 69-84.
- Sakaluk, S. K. & Ivy, T. M. (1999). Virgin-male mating advantage in sagebrush crickets: differential male competitiveness or non-independent female mate choice? *Behaviour*, **136**, 1335-1346.
- Sattman, D. A. & Coccoft, R. B. (2003). Phenotypic plasticity and repeatability in the mating signals of *Enchenopa* treehoppers, with implications for reduced gene flow among host-shifted populations. *Ethology*, **109**, 981-994.
- Scheuber, H., Jacot, A. & Brinkhof, M. W. G. (2003). Condition dependence of a multicomponent sexual signal in the field cricket *Gryllus campestris*. *Anim. Behav.*, **65**, 721-727.
- Scheuber, H., Jacot, A. & Brinkhof, M. W. G. (2003). The effect of past condition on a multicomponent sexual signal. *Proc. R. Soc. Lond., B.*, **270**, 1779-1784.
- Schilman, P. E., Manrique, G. & Lazzari, C. R. (2001). Comparison of disturbance stridulations in five species of Triatominae bugs. *Acta Tropica*, **79**, 171-178.
- Serrano, A. R., Diogo, A. C., Vicoso, E. & Fonseca, P. J. (2003). New stridulatory structures in a tiger beetle (Coleoptera: Carabidae: Cicindelidae): Morphology and sound characterization. *Coleopt. Bull.*, **57**, 161-166.
- Shi, F.-M. & Jiang, S.-N. (2002). Comparative observations on female stridulatory spines of the genera *Ducetia* and *Kuwayamaea* (Orthoptera: Phaneropteridae). *Acta Entomol. Sin.*, **45**, suppl., 28-30.
- Silva, M. B. A., Barbosa, H. S., Galvao, C., Jurberg, J. & Carcavallo, R. U. (2003). Comparative study of the stridulatory sulcus, buccula and rostrum of the nymphs of *Triatoma guazu* Lent & Wygodzinsky, 1979, and *Triatoma jurbergi* Carcavallo, Galvao & Lent 1998, by scanning electron microscopy (Hemiptera, Reduviidae). *Mem. Inst. Oswaldo Cruz*, **98**, 335-344.
- Simmons, L. W. (2004). Genotypic variation in calling song and female preferences of the field cricket *Teleogryllus oceanicus*. *Anim. Behav.*, **68**, 313-322.
- Specht, R. (2004). Compact and user-friendly ultrasound acquisition systems optimized for field recording. *An. Acad. Brasil. Cienc.*, **76**, 452-454.
- Sueur, J. (2002). Cicada sound production: history of pioneering studies (Hemiptera, Cicadomorpha, Cicadidae). *Bull. Soc. Entomol. Fr.*, **107**, 109-134.
- Sueur, J. & Aubin, T. (2003). Is microhabitat segregation between two cicada species (*Tibicina haematodes* and *Cicada orni*) due to calling song propagation constraints? *Naturwissenschaften*, **90**, 322-326.
- Sueur, J. & Sanborn, A. F. (2003). Ambient temperature and sound power of cicada calling songs (Hemiptera: Cicadidae: *Tibicina*). *Physiol. Entomol.*, **28**, 340-343.
- Tauber, E. & Eberl, D. F. (2003). Acoustic communication in *Drosophila*. *Behav. Processes*, **64**, 197-210.
- Tschuch, G. & Brothers, D. J. (2000). Stridulatory organs in solitary aculeate Hymenoptera (Insecta). *Zool. Anz.*, **239**, 319-327.

- Tschuch, G. & Brothers, D. J. (2002). Sound production in Hymenoptera. *Bioacoustics*, **13**, 82-83.
- Vedenina, V. Y. & von Helversen, O. (2003). Complex courtship in a bimodal grasshopper hybrid zone. *Behav. Ecol. Sociobiol.*, **54**, 44-54.
- Villet, M. H., Sanborn, A. F. & Phillips, P. K. (2003). Endothermy and chorusing behaviour in the African platypleurine cicada *Pycna semiclara* (Germar, 1834)(Hemiptera: Cicadidae). *Can. J. Zool.*, **81**, 1437-1444.
- Virant-Doberlet, M., Cockl, A. & Stritih, N. (2002). Vibratory songs of hybrids from Brazilian and Slovenian populations of the green stink bug *Nezara viridula*. *Bioacoustics*, **13**, 89.
- Walker, S. E. & Cade, W. H. (2003). The effects of temperature and age on calling song in a field cricket with a complex calling song, *Teleogryllus oceanicus* (Orthoptera: Gryllidae). *Can. J. Zool.*, **81**, 1414-1420.
- Walker, T. J. (2001). *Gryllus cayensis* n. sp. (Orthoptera: Gryllidae), a taciturn wood cricket extirpated from the Florida Keys: Songs, ecology and hybrids. *Fla. Entomol.*, **84**, 700-705.
- Walker, T. J., Forrest, T. G. & Spooner, J. D. (2003). The *Rotundifolia* complex of the genus *Amblycorypha* (Orthoptera: Tettigoniidae): Songs reveal new species. *Ann. Entomol. Soc. Am.*, **96**, 433-447.
- Yamada, H., Matsuda, M. & Oguma, Y. (2002). Genetics of sexual isolation based on courtship song between two sympatric species: *Drosophila ananassae* and *D. pallidosa*. *Genetica*, **116**, 225-237.
- Yamada, H., Sakai, T., Tomaru, M., Doi, M., Matsuda, M. & Oguma, Y. (2002). Search for species-specific mating signal in courtship songs of sympatric sibling species, *Drosophila ananassae* and *D. pallidosa*. *Genes Genet. Syst.*, **77**, 97-106.
- Zefa, E. & Fontanetti, C. S. (2002). Pars stridens morphology and acoustic signal emission in the reproductive behavior of *Gryllus assimilis* Fabricius, 1775 (Orthoptera: Gryllidae). *Naturalia*, **27**, 133-143.

## Fishes

- Amorim, M. C. P. & Almada, V. (2002). Sound production and associated behaviour in the cichlid *Oreochromis mossambicus*. *Bioacoustics*, **13**, 92-93.
- Au, W. W. L., Ford, J. K. B., Horne, J. K. & Alman, K. A. N. (2004). Echolocation signals of free-ranging killer whales (*Orcinus orca*) and modeling of foraging for chinook salmon (*Oncorhynchus tshawytscha*). *J. Acoust. Soc. Am.*, **115**, 901-909.
- Bart, A. N., Clark, J., Young, J. & Zohar, Y. (2001). Underwater ambient noise measurements in aquaculture systems: a survey. *Aquacult. Engin.*, **25**, 99-110.
- Bass, A. H. & McKibben, J. R. (2003). Neural mechanisms and behaviors for acoustic communication in teleost fish. *Prog. Neurobiol.*, **69**, 1-26.
- Casper, B. M., Lobel, P. S. & Yan, H. Y. (2003). The hearing sensitivity of the little skate, *Raja erinacea*: A comparison of two methods. *Environ. Biol. Fish.*, **68**, 371-379.
- Connaughton, M. A. (2004). Sound generation in the searobin (*Prionotus carolinus*), a fish with alternate sonic muscle contraction. *J. Exp. Biol.*, **207**, 1643-1654.
- Coombs, R. F. & Barr, R. (2004). Acoustic remote sensing of swimbladder orientation and species mix in the oreo population of the Chatham Rise. *J. Acoust. Soc. Am.*, **115**, 1516-1524.
- Costantini, M. & Spoto, M. (2002). Assessment of man-made underwater noise impact on a population of gobids in a marine protected area. *Bioacoustics*, **13**, 95-96.
- Edds-Walton, P. L., Mangiamele, L. A. & Rome, L. C. (2002). Variations of pulse repetition rate in boatwhistle sounds from oyster toadfish *Opsanus tau* around Waquoit Bay, Massachusetts. *Bioacoustics*, **13**, 153-173.

- Fine, M. L., Malloy, K. & Mitchell, S. (2002). Why are toadfish sonic muscles so fast? *Bioacoustics*, **13**, 83.
- Fine, M. L., Schrinel, J. & Cameron, T. M. (2004). The effect of loading on disturbance sounds of the Atlantic croaker *Micropogonius undulatus*: Air versus water. *J. Acoust. Soc. Am.*, **116**, 1271-1275.
- Finneran, J. J., Oliver, C. W., Schaefer, K. M. & Ridgway, S. H. (2000). Source levels and estimated yellowfin tuna (*Thunnus albacares*) detection ranges for dolphin jaw pops, breaches and tail slaps. *J. Acoust. Soc. Am.*, **107**, 649-656.
- Francis, D. T. I. & Foote, K. G. (2003). Depth-dependent target strengths of gadoids by the boundary-element method. *J. Acoust. Soc. Am.*, **114**, 3136-3146.
- Fujieda, S., Matsuno, Y., Yamanaka, Y., Chung, Y. & Kishimoto, C. (1993). Feature of the swimming sound for fishes in the netting cages at the culture ground. *Mem. Fac. Fish. Kagoshima Univ.*, **42**, 1-19.
- Goodson, J. L., Evans, A. K. & Bass, A. H. (2003). Putative isotocin distributions in sonic fish: Relation to vasotocin and vocal-acoustic circuitry. *J. Comp. Neurol.*, **462**, 1-14.
- Hawkins, A. D. & Amorim, M. C. P. (2002). Courthip sounds of the haddock. *Bioacoustics*, **13**, 92.
- Heyd, A. & Pfeiffer, W. (2000). Sound production in catfish (Siluroidei, Ostariophysi, Teleostei) and its relationship to phylogeny and fright reaction. Review. *Revue Suisse Zool.*, **107**, 165-211 (German).
- Kaatz, I. M. & Lobel, P. S. (1999). Acoustic behavior and reproduction in five species of *Corydoras* catfishes (Family Callichthyidae). *Biol. Bull.*, **197**, 241-242.
- Kaatz, I. M. & Lobel, P. S. (2001). A comparison of sounds recorded from a catfish (*Orinocodoras eigenmanni*, Doradidae) in an aquarium and in the field. *Biol. Bull.*, **201**, 278-280.
- Kaatz, I. M. & Stewart, D. S. (1997). The evolutionary origin and functional divergence of sound production in catfishes: stridulation mechanisms. *J. Morphol.*, **232**, 272.
- Kaparang, F. E., Matsuno, Y., Yamanaka, Y. & Fujieda, S. (1999). Studies on underwater sounds produced by Japanese horse mackerel *Trachurus japonicus* in net pens at culture grounds in innermost Kagoshima Bay. *Fish. Sci.*, **65**, 398-404.
- Lagerdere, J. P. & Mallekh, R. (2000). Feeding sounds of turbot (*Scophthalmus maximus*) and their potential use in the control of food supply in aquaculture. I. Spectrum analysis of the feeding sounds. *Aquaculture*, **189**, 251-258.
- Leis, J. M., Carson-Ewart, B. M., Hay, A. C. & Cato, D. H. (2003). Coral-reef sounds enable nocturnal navigation by some reef-fish larvae in some places and at some times. *J. Fish Biol.*, **63**, 724-737.
- Lugli, M. & Fine, M. L. (2003). Acoustic communication in two freshwater gobies: Ambient noise and short-range propagation in shallow streams. *J. Acoust. Soc. Am.*, **114**, 512-521.
- Lugli, M., Pavan, G. & Torricelli, P. (2004). The response of the male freshwater goby to natural and synthetic male courtship sound playback following exposure to different female sexual stimuli. *Ethol. Ecol. Evol.*, **16**, 55-70.
- Lugli, M., Yan, H. Y. & Fine, M. L. (2002). A match between sound production, hearing and environmental transmission in two freshwater gobies. *Bioacoustics*, **13**, 86-87.
- Malavasi, S., Torricelli, P., Lugli, M., Pranovi, F. & Mainardi, D. (2003). Male courtship sounds in a Teleost with alternative reproductive tactics, the grass goby, *Zosterisessor ophiocephalus*. *Environ. Biol. Fish.*, **66**, 231-236.
- Mallekh, R., Lagardere, J. P., Eneau, J. P. & Cloutour, C. (2003). An acoustic detector of turbot feeding activity. *Aquaculture*, **221**, 481-489.

- Mann, D. A. & Jarvis, S. M. (2004). Potential sound production by a deep-sea fish. *J. Acoust. Soc. Am.*, **115**, 2331-2333.
- Parmentier, E., Gennotte, V., Focant, B., Goffinet, G. & Vandewalle, P. (2003). Characterization of the primary sonic muscles in *Carapus acus* (Carapidae): a multidisciplinary approach. *Proc. R. Soc. Lond., B.*, **270**, 2301-2308.
- Sisneros, J. A. & Bass, A. H. (2003). Seasonal plasticity of peripheral auditory frequency sensitivity. *J. Neurosci.*, **23**, 1049-1058.
- Sisneros, J. A., Forlano, P. M., Deitcher, D. L. & Bass, A. H. (2004). Steroid-dependent auditory plasticity leads to adaptive coupling of sender and receiver. *Science*, **305**, 404-407.
- Stadler, J. H. (2002). Evidence for a hydrodynamic mechanism of sound production by courting males of the notchtongue goby, *Bathygobius curacao* (Metzelaar). *Bioacoustics*, **13**, 145-152.
- Suga, T., Kawabe, R., Hiraishi, T. & Nashimoto, K. (2004). Sound pressure values in the audiogram of marbled sole *Pleuronectes yokohamae* measured in air. *Fish. Sci.*, **70**, 33-40.
- Thorson, R. F. & Fine, M. L. (2002). Acoustic competition in the gulf toadfish *Opsanus beta*: Acoustic tagging. *J. Acoust. Soc. Am.*, **111**, 2302-2307.
- Thorson, R. F. & Fine, M. L. (2002). Crepuscular changes in emission rate and parameters of the boatwhistle advertisement call of the gulf toadfish, *Opsanus beta*. *Envir. Biol. Fish.*, **63**, 321-331.
- Tolimieri, N., Haine, O., Jeffs, A., McCauley, R. & Montgomery, J. (2004). Directional orientation of pomacentrid larvae to ambient reef sound. *Coral Reefs*, **23**, 184-191.
- Tolstoganova, L. K. (2002). Correlation between acoustic activity and the environment and the fish disorder state in beluga *Huso huso* juveniles. *Bioacoustics*, **13**, 98.
- Tolstoganova, L. K. (2002). Acoustic activity of Russian sturgeon. *Bioacoustics*, **13**, 79-80.
- Vester, H. I., Folkow, L. P. & Blix, A. S. (2004). Click sounds produced by cod (*Gadus morhua*). *J. Acoust. Soc. Am.*, **115**, 914-919.
- Wahlberg, M. & Westerberg, H. (2003). Sounds produced by herring (*Clupea harengus*) bubble release. *Aquat. Liv. Res.*, **16**, 271-275.
- Weeg, M. S. & Bass, A. H. (2002). Frequency response properties of lateral line superficial neuromasts in a vocal fish, with evidence for acoustic sensitivity. *J. Neurophysiol.*, **88**, 1252-1262.
- Weeg, M. S., Fay, R. R. & Bass, A. H. (2002). Directionality and frequency tuning of primary saccular afferents of a vocal fish the plainfin midshipman (*Porichthys notatus*). *J. Comp. Physiol., A.*, **188**, 631-641.
- Yan, H. Y., Fine, M. L., Horn, N. S. & Colon, W. E. (2002). Variability in the role of the gasbladder in fish audition. *Bioacoustics*, **13**, 84.
- Zelick, D. D., Mann, D. A. & Popper, A. N. (1999). Acoustic communication in fishes and frogs. In *Comparative Hearing: Fish and Amphibians*. Springer Handbook of Auditory Research, vol. 11 (R. R. Fay and A. N. Popper, eds.). Springer; New York, Berlin, Heidelberg, pp. 363-411.

## Amphibians

- Bee, M. A. (2002). Territorial male bullfrogs (*Rana catesbeiana*) do not assess fighting ability based on size-related variation in acoustic signals. *Behav. Ecol.*, **13**, 109-124.
- Bee, M. A. (2003). A test of the "dear enemy effect" in the strawberry dart-poison frog (*Dendrobates pumilio*).



*Behav. Ecol. Sociobiol.*, **54**, 601-610.

Bee, M. A. & Gerhardt, H. C. (2002). Individual voice recognition in a territorial frog (*Rana catesbeiana*). *Proc. R. Soc. Lond., B.*, **269**, 1443-1448.

Bee, M. A., Kozich, C. E., Blackwell, K. J. & Gerhardt, H. C. (2001). Individual variation in advertisement calls of territorial male green frogs, *Rana clamitans*: Implications for individual discrimination. *Ethology*, **107**, 65-84.

Bee, M. A., Perrill, S. A. & Owen, P. C. (2000). Male green frogs lower the pitch of acoustic signals in defense of territories: a possible dishonest signal of size? *Behav. Ecol.*, **11**, 169-177.

Boistel, R. & Sueur, J. (2002). Female calls among Amphibia Anura: an exceptional sound behaviour? *Bioacoustics*, **13**, 80-81.

Bosch, J. & Boyero, L. (2004). Reproductive stage and phonotactic preferences of female midwife toads (*Alytes cisternasii*). *Behav. Ecol. Sociobiol.*, **55**, 251-256.

Bosch, J. & Marquez, R. (2000). Acoustical interference in the advertisement calls of the midwife toads (*Alytes obstetricans* and *Alytes cisternasii*). *Behaviour*, **137**, 249-263.

Bosch, J. & Marquez, R. (2000). Tympanum fluctuating asymmetry, body size and mate choice in female midwife toads (*Alytes obstetricans*). *Behaviour*, **137**, 1211-1222.

Bosch, J. & Marquez, R. (2002). Female preference function related to precedence effect in an amphibian anuran (*Alytes cisternasii*): tests with non-overlapping calls. *Behav. Ecol.*, **13**, 149-153.

Bosch, J., Marquez, R. & Boyero, L. (2003). Behavioural patterns, preference, and motivation of female midwife toads during phonotaxis tests. *J. Ethol.*, **21**, 61-66.

Bourne, G. R. & York, H. (2001). Vocal behaviors are related to nonrandom structure of anuran breeding assemblages in Guyana. *Ethol. Ecol. Evol.*, **13**, 313-329.

Brahic, C. J. & Kelley, D. B. (2003). Vocal circuitry in *Xenopus laevis*: Telencephalon to laryngeal motor neurons. *J. Comp. Neurol.*, **464**, 115-130.

Burmeister, S. S., Ophir, A. G., Ryan, M. J. & Wilczynski, W. (2002). Information transfer during cricket frog contests. *Anim. Behav.*, **64**, 715-725.

Castellano, S., Cuatto, B., Rinella, R., Rosso, A. & Giacoma, C. (2002). The advertisement call of the European treefrogs (*Hyla arborea*): A multilevel study of variation. *Ethology*, **108**, 75-89.

Castellano, S., Rosso, A. & Giacoma, C. (2004). Active choice, passive attraction and the cognitive machinery of acoustic preferences. *Anim. Behav.*, **68**, 323-329.

Castellano, S., Rosso, A., Laoretti, F., Doglio, S. & Giacoma, C. (2000). Call intensity and female preferences in the European green toad. *Ethology*, **106**, 1129-1141.

Christensen-Dalsgaard, J., Ludwig, T. A. & Narins, P. M. (2002). Call diversity in an Old World treefrog: Level dependence and latency of acoustic responses. *Bioacoustics*, **13**, 21-35.

Christensen-Dalsgaard, J., Ludwig, T. A. & Narins, P. M. (2002). Complex vocal communication in the Southeast Asian frog *Polypedates leucomystax*. *Bioacoustics*, **13**, 80.

Diego-Rasilla, F. J. & Luengo, R. M. (2004). Heterospecific call recognition and phonotaxis in the orientation behavior of the marbled newt, *Triturus marmoratus*. *Behav. Ecol. Sociobiol.*, **55**, 556-560.

Dijk, P. van, Narins, P. M. & Mason, M. J. (2003). Physiological vulnerability of distortion product otoacoustic emissions from the amphibian ear. *J. Acoust. Soc. Am.*, **114**, 2044-2048.

- Feng, A. I., Narins, P. I. & Xu, C. H. (2002). Vocal acrobatics in a Chinese frog, *Amolops tormotus*. *Naturwissenschaften*, **89**, 352-356.
- Gerhardt, H. C. & Huber, F. (2002). *Acoustic Communication in Insects and Anurans: Common Problems and Diverse Solutions*. University of Chicago Press; Chicago.
- Grafe, U. (1999). A function of synchronous chorusing and a novel female preference shift in an anuran. *Proc. R. Soc. Lond., B.*, **266**, 2331-2336.
- Grafe, T. U. (2003). Synchronized interdigitated calling in the Kuvangu running frog, *Kassina kuvangensis*. *Anim. Behav.*, **66**, 127-136.
- Grafe, T. U., Doeblner, S. & Linsenmair, K. E. (2002). Frogs flee from the sound of fire. *Proc. R. Soc. Lond., B.*, **269**, 999-1003.
- Kime, N. M., Turner, W. R. & Ryan, M. J. (2000). The transmission of advertisement calls in Central American frogs. *Behav. Ecol.*, **11**, 71-83.
- Lardner, B. & Lakim, M. B. (2004). Female call preferences in tree-hole frogs: why are there so many unattractive males? *Anim. Behav.*, **68**, 265-272.
- Leary, C. J., Jessop, T. S., Garcia, A. M. & Knapp, R. (2004). Steroid hormone profiles and relative body condition of calling and satellite toads: implications for proximate regulation of behavior in anurans. *Behav. Ecol.*, **15**, 313-320.
- Lode, T. & Le Jacques, D. (2003). Influence of advertisement calls on reproductive success in the male midwife toad *Alytes obstetricans*. *Behaviour*, **140**, 885-898.
- Lueddecke, H. (2002). Male and female responses to call playback in the Andean frog *Colostethus subpunctatus*. *Amphibia-Reptilia*, **23**, 141-150.
- Lueddecke, H. & Sanchez, O. R. (2002). Are tropical highland frog calls cold-adapted? The case of the Andean frog *Hyla labialis*. *Biotropica*, **34**, 281-288.
- Marquez, R. & Bosch, J. (2003). Temporal encoding of information in the advertisement call of the Iberian midwife toad (*Alytes cisternasii*): The importance of rise time. *Behaviour*, **140**, 113-123.
- Marshall, V. T., Humfeld, S. C. & Bee, M. A. (2003). Plasticity of aggressive signalling and its evolution in male spring peepers, *Pseudacris crucifer*. *Anim. Behav.*, **65**, 1223-1234.
- Martins, I. A. & Sim, J. (2003). Bioacoustic analysis of advertisement call in *Hyla nana* and *Hyla sanborni* (Anura, Hylidae) in Botucatu, Sao Paulo, Brazil. *Brazilian J. Biol.*, **63**, 507-516.
- Murphy, C. G. (2003). The cause of correlations between nightly numbers of male and female barking treefrogs (*Hyla gratiosa*) attending choruses. *Behav. Ecol.* **14**, 274-281.
- Murphy, C. G. & Gerhardt, H. C. (2002). Mate sampling by female barking treefrogs (*Hyla gratiosa*). *Behav. Ecol.*, **13**, 472-480.
- Narins, P. M., Feng, A. S., Lin, W., Schnitzler, H.-U., Denzinger, A., Suthers, R. A. & Xu, C. (2004). Old World frog and bird vocalizations contain prominent ultrasonic harmonics. *J. Acoust. Soc. Am.*, **115**, 910-913.
- Narins, P. M., Hoedl, W. & Grabul, D. S. (2003). Bimodal signal requisite for agonistic behavior in a dart-poison frog, *Epipedobates femoralis*. *Proc. Natl. Acad. Sci. USA*, **100**, 577-580.
- Penna, M. (2004). Amplification and spectral shifts of vocalizations inside burrows of the frog *Eupsophus calcaratus* (Leptodactylidae). *J. Acoust. Soc. Am.*, **116**, 1254-1260.
- Proehl, H. (2003). Variation in male calling behaviour and relation to male mating success in the strawberry

poison frog (*Dendrobates pumilio*). *Ethology*, **109**, 273-290.

Rose, G. J. & Brenowitz, E. A. (2002). Pacific treefrogs use temporal integration to differentiate advertisement from encounter calls. *Anim. Behav.*, **63**, 1183-1190.

Rosenthal, G. G., Rand, A. S. & Ryan, M. J. (2004). The vocal sac as a visual cue in anuran communication: an experimental analysis using video playback. *Anim. Behav.*, **68**, 55-58.

Schneider, H. (1988). Peripheral and central mechanisms of vocalization. In *The evolution of the amphibian auditory system* (B. Fritsch, M. J. Ryan, W. Wilczynski, T. E. Hetherington and W. Walkowiak, eds.). Wiley; New York, Chichester, Brisbane, pp. 537-558.

Schul, J. & Bush, S. L. (2002). Non-parallel coevolution of sender and receiver in the acoustic communication system of treefrogs. *Proc. R. Soc. Lond., B.*, **269**, 1847-1852.

Schwartz, J. J., Buchanan, B. W. & Gerhardt, H. (2002). Acoustic interactions among male gray treefrogs, *Hyla versicolor*, in a chorus setting. *Behav. Ecol. Sociobiol.*, **53**, 9-19.

Simmons, A. M. (2004). Call recognition in the bullfrog, *Rana catesbeiana*: Generalization along the duration continuum. *J. Acoust. Soc. Am.*, **115**, 1345-1355.

Smith, M. J. & Roberts, J. D. (2003). Call structure may affect male mating success in the quacking frog *Crinia georgiana* (Anura: Myobatrachidae). *Behav. Ecol. Sociobiol.*, **53**, 221-226.

Smith, M. J. & Roberts, J. D. (2003). An experimental examination of female preference patterns for components of the male advertisement call in the quacking frog, *Crinia georgiana*. *Behav. Ecol. Sociobiol.*, **55**, 144-150. (+ erratum, **55**, 512).

Souza, M. B. de & Haddad, C. F. B. (2003). Redescription and reevaluation of the generic status of *Leptodactylus dantasi* (Amphibia, Anura, Leptodactylidae) and description of its unusual advertisement call. *J. Herpetol.*, **37**, 490-497.

Sun, L., Wilczynski, W., Rand, A. S. & Ryan, M. J. (2000). Trade-off in short- and long-distance communication in tungara (*Physalaemus pustulosus*) and cricket (*Acris crepitans*) frogs. *Behav. Ecol.*, **11**, 102-109.

Tarano, Z. (2002). Vocal responses to conspecific call variation in the Neotropical frog *Physalaemus enesefae*. *J. Herpetol.*, **36**, 615-620.

Tarano, Z. & Herrera, E. A. (2003). Female preferences for call traits and male mating success in the Neotropical frog *Physalaemus enesefae*. *Ethology*, **109**, 121-134.

Tarano, Z. & Ryan, M. J. (2002). No pre-existing biases for heterospecific call traits in the frog *Physalaemus enesefae*. *Anim. Behav.*, **64**, 599-607.

Tobias, M. L., Barnard, C., O'Hagan, R., Horng, S. H., Rand, M. & Kelley, D. B. (2004). Vocal communication between male *Xenopus laevis*. *Anim. Behav.*, **67**, 353-365.

Zelick, D. D., Mann, D. A. & Popper, A. N. (1999). Acoustic communication in fishes and frogs. In *Comparative Hearing: Fish and Amphibians*. Springer Handbook of Auditory Research, vol. 11 (R. R. Fay and A. N. Popper, eds.). Springer; New York, Berlin, Heidelberg, pp. 363-411.

## Reptiles

Sacchi, R., Galeotti, P., Fasola, M. & Ballasina, D. (2003). Vocalizations and courtship intensity correlate with mounting success in marginated tortoises *Testudo marginata*. *Behav. Ecol. Sociobiol.*, **55**, 95-102.

Swaigood, R. R., Rowe, M. P. & Owings, D. H. (2003). Antipredator responses of California ground squirrels to rattlesnakes and rattling sounds: the roles of sex, reproductive parity, and offspring age in assessment and

decision-making rules. *Behav. Ecol. Sociobiol.*, **55**, 22-31. (+ erratum, **55**, 410-413).

Young, B. A. (2003). Snake bioacoustics: Toward a richer understanding of the behavioral ecology of snakes. *Quart. Rev. Biol.*, **78**, 303-326.

Young, B. A. & Aguiar, A. (2002). Response of western diamondback rattlesnakes *Crotalus atrox* to airborne sounds. *J. Exp. Biol.*, **205**, 3087-3092.

## Non-passerine birds

Aubin, T. (2004). Penguins and their noisy world. *An. Acad. Bras. Cienc.*, **76**, 279-283.

Baker, M. C. (2004). The chorus song of cooperatively breeding laughing kookaburras (Coraciiformes, Halcyonidae: *Dacelo novaeguineae*): Characterization and comparison among groups. *Ethology*, **110**, 21-35.

Bayly, K. & Evans, C. S. (2003). Dynamic changes in alarm call structure: A strategy for reducing conspicuousness to avian predators. *Behaviour*, **140**, 353-369.

Beckers, G. J. L., Gossens, B. M. A. & ten Cate, C. (2003). Perceptual salience of acoustic differences between conspecific and allospecific vocalizations in African collared doves. *Anim. Behav.*, **65**, 605-614.

Beckers, G. J. L., Suthers, R. A. & ten Cate, C. (2003). Mechanisms of frequency and amplitude modulation in ring dove song. *J. Exp. Biol.*, **206**, 1833-1843.

Bertelli, S. & Tubaro, P. L. (2002). Body mass and habitat correlates of song structure in a primitive group of birds. *Biol. J. Linn. Soc.*, **77**, 423-430.

Biasotti, B., Gnone, G., Boccardo, E. & Pavan, G. (2002). Acoustic repertoire of *Spheniscus humboldti*: preliminary report on a small captive colony. *Bioacoustics*, **13**, 94.

Brittan-Powell, E. F. & Dooling, R. J. (2004). Development of auditory sensitivity in budgerigars (*Melopsittacus undulatus*). *J. Acoust. Soc. Am.*, **115**, 3092-3102.

Butchart, S. H. M., Kilner, R. M., Fuisz, T. & Davies, N. B. (2003). Differences in the nestling begging calls of hosts and host-races of the common cuckoo, *Cuculus canorus*. *Anim. Behav.*, **65**, 345-354.

Ceugniet, M., Aubin, T., Bernard-Laurent, A. & Soyeux, D. (2002). Coding and decoding systems of the rally call of two species of partridges and their hybrids. *Bioacoustics*, **13**, 97-98.

Collias, N. E. (2000). Filial imprinting and leadership among chicks in family integration of the domestic fowl. *Behaviour*, **137**, 197-211.

Delpont, W., Kemp, A. C. & Ferguson, J. W. H. (2002). Vocal identification of individual African wood owls *Strix woodfordii*: a technique to monitor long-term adult turnover and residency. *Ibis*, **144**, 30-39.

Deregnacourt, S. & Guyomarc'h, J.-C. (2003). Mating call discrimination in female European (*Coturnix c. coturnix*) and Japanese quail (*Coturnix c. japonica*). *Ethology*, **109**, 107-120.

Eda-Fujiwara, H., Watanabe, A. & Kimura, T. (2002). The role of learned acoustic structure in the song of the budgerigar, *Melopsittacus undulatus*. *J. Yamashina Inst. Ornithol.*, **34**, 9-15.

Farnsworth, A., Gauthreaux, S. A., Jr. & van Blaricom, D. (2004). A comparison of nocturnal call counts of migrating birds and reflectivity measurements on Doppler radar. *J. Avian Biol.*, **35**, 365-369.

Ficken, M. S., Rusch, K. M., Taylor, S. J. & Powers, D. R. (2002). Reproductive behavior and communication in blue-throated hummingbirds. *Wilson Bull.*, **114**, 197-209.

Gonzalez-Solis, J. (2004). Regulation of incubation shifts near hatching by giant petrels: a timed mechanism, embryonic signalling or food availability? *Anim. Behav.*, **67**, 663-671.

- Hall, M. L. (2004). A review of hypotheses for the functions of avian duetting. *Behav. Ecol. Sociobiol.* **55**, 415-430.
- Insley, S. J., Paredes, R. & Jones, I. L. (2002). Sex differences in razorbill *Alca torda* parent-offspring vocal recognition. *J. Exp. Biol.*, **206**, 25-31.
- Jackson, H. D. (2003). Song of the golden nightjar, *Caprimulgus eximius*. *Ostrich*, **74**, 241-242.
- Jouventin, P. & Aubin, T. (2002). Recognition compared between nesting and non-nesting penguins (movie presentation). *Bioacoustics*, **13**, 82.
- Jouventin, P. & Aubin, T. (2002). Acoustic systems are adapted to breeding ecologies: individual recognition in nesting penguins. *Anim. Behav.*, **64**, 747-757.
- Kampen, H. S. Van & Hogan, J. A. (2000). Courtship food-calling in burmese red junglefowl: III. Factors influencing the male's behavior. *Behaviour*, **137**, 1191-1209.
- Kearvell, J. C. & Briskie, J. V. (2003). Similarity of chatter calls between orange-fronted parakeet *Cyanoramphus malherbi* and yellow-crowned parakeet *C. auriceps*. *Ibis*, **145**, 333-336.
- King, B. (2003). The song of *Ninox scutulata obscura*. *J. Bombay Nat. Hist. Soc.*, **100**, 388-389.
- Kort, S. R. de & ten Cate, C. (2004). Repeated decrease in vocal repertoire size in *Streptopelia* doves. *Anim. Behav.*, **67**, 549-557.
- Kort, S. R. de, den Hartog, P. M. & ten Cate, C. (2002). Diverge or merge? The effect of sympatric occurrence on the territorial vocalizations of the vinaceous dove *Streptopelia vinacea* and the ringnecked dove *S. capicola*. *J. Avian Biol.*, **33**, 150-158.
- Kraaijeveld, K. & Mulder, R. A. (2002). The function of triumph ceremonies in the black swan. *Behaviour*, **139**, 45-54.
- Lacroix, D. L., Lanctot, R. B., Reed, J. A. & McDonald, T. L. (2003). Effect of underwater seismic surveys on molting male long-tailed ducks in the Beaufort Sea, Alaska. *Can. J. Zool.*, **81**, 1862-1875.
- Laje, R., Gardner, T. J. & Mindlin, G. B. (2002). Neuromuscular control of vocalizations in birdsong: A model. *Physical Review E.*, **65**, 519211-519218.
- Larsen, O. N. (2004). Does the environment constrain avian sound localization? *An. Acad. Brasil. Cienc.*, **76**, 267-273.
- Larsen, O. N. & Goller, F. (2002). New views of sound generating structures in the bird syrinx. *Bioacoustics*, **13**, 83-84.
- Lengagne, T. & Lauga, J. (2002). Syllable recognition in the king penguin. *Bioacoustics*, **13**, 90.
- Lengagne, T. & Slater, P. J. B. (2002). The effects of rain on acoustic communication: tawny owls have good reason for calling less in wet weather. *Proc. R. Soc. Lond., B.*, **269**, 2121-2125.
- Lohr, B., Wright, T. F. & Dooling, R. J. (2003). Detection and discrimination of natural calls in masking noise by birds: estimating the active space of a signal. *Anim. Behav.*, **65**, 763-777.
- Mack, A. L. & Jones, J. (2003). Low-frequency vocalizations by cassowaries (*Casuaris* spp.). *Auk*, **120**, 1062-1068.
- Madsen, V., Balsby, T. J. S., Dabelsteen, T. & Osorno, J. L. (2004). Bimodal signaling of a sexually selected trait: Gular pouch drumming in the magnificent frigatebird. *Condor*, **106**, 156-160.

- Martin-Vivaldi, M., Martinez, J. G., Palomino, J. J. & Soler, M. (2002). Extrapair paternity in the hoopoe *Upupa epops*: an exploration of the influence of interactions between breeding pairs, non-pair males and strophe length. *Ibis*, **144**, 236-247.
- Martin-Vivaldi, M., Palomino, J. J. & Soler, M. (2004). Strophe length in spontaneous songs predicts male response to playback in the hoopoe *Upupa epops*. *Ethology*, **110**, 351-362.
- Masin, S., Massa, R. & Bottoni, L. (2004). Evidence of tutoring in the development of subsong in newly-fledged Meyer's parrots *Poicephalus meyeri*. *An. Acad. Brasil. Cienc.*, **76**, 231-236.
- Miller, E. H., Vanderwerf, E. & McPherson, L. (2003). Vocalizations of the tuamotu sandpiper, *Prosobonia cancellata*. *Wilson Bull.*, **115**, 455-463.
- Miyazaki, M. & Waas, J. R. (2002). 'Last word' effects of male advertising calls on female preference in little blue penguins. *Behaviour*, **139**, 1413-1423.
- Miyazaki, M. & Waas, J. R. (2003). Acoustic properties of male advertisement and their impact on female responsiveness in little penguins *Eudyptula minor*. *J. Avian Biol.*, **34**, 229-232.
- Nakagawa, S., Waas, J. R. & Miyazaki, M. (2001). Heart rate changes reveal that little blue penguin chicks (*Eudyptula minor*) can use vocal signatures to discriminate familiar from unfamiliar chicks. *Behav. Ecol. Sociobiol.*, **50**, 180-188.
- Nebel, S. & McCaffery, B. J. (2003). Vocalization activity of breeding shorebirds: documentation of its seasonal decline and applications for breeding bird surveys. *Can. J. Zool.*, **81**, 1702-1708.
- Nicolas, G., Fraigneau, C. & Aubin, T. (2004). Variation in the behavioral responses of budgerigars *Melopsittacus undulatus* to an alarm call in relation to sex and season. *An. Acad. Brasil. Cienc.*, **76**, 359-364.
- Ornelas, J. F., Gonzales, C. & Uribe, J. (2002). Complex vocalizations and aerial displays of the amethyst-throated hummingbird (*Lampornis amethystinus*). *Auk*, **199**, 1141-1149.
- Osiejuk, T.S. & Olech, B. (2004). Amplitude spectra of corncrake calls: what do they signalise? *Anim. Biol.*, **54**, 207-220.
- Penteriani, V. (2002). Variation in the function of eagle owl vocal behaviour: territorial defence and intra-pair communication? *Ethol. Ecol. Evol.*, **14**, 275-281.
- Penteriani, V. (2003). Breeding density affects the honesty of bird vocal displays as possible indicators of male/territory quality. *Ibis*, **145** (on-line), E127-E135.
- Penteriani, V., Faivre, B., Mazuc, J. & Cezilly, F. (2002). Pre-laying vocal activity as a signal of male and nest stand quality in goshawks. *Ethol. Ecol. Evol.*, **14**, 9-17.
- Plummer, T. K. & Striedter, G. F. (2002). Brain lesions that impair vocal imitation in adult budgerigars. *J. Neurobiol.*, **53**, 413-428.
- Price, J. J., Johnson, K. P. & Clayton, D. H. (2004). The evolution of echolocation in swiftlets. *J. Avian Biol.*, **35**, 135-143.
- Puglisi, L. & Adamo, C. (2004). Discrimination of individual voices in male great bitterns (*Botaurus stellaris*) in Italy. *Auk*, **121**, 541-547.
- Pytte, C. L., Rusch, K. M. & Siegler, M. S. (2003). Regulation of vocal amplitude by the blue-throated hummingbird, *Lampornis clemenciae*. *Anim. Behav.*, **66**, 703-710.
- Quillfeldt, P. (2002). Begging in the absence of sibling competition in Wilson's storm-petrels, *Oceanites oceanicus*. *Anim. Behav.*, **64**, 579-587.
- Radford, A. N. (2003). Territorial vocal rallying in the green woodhoopoe: influence of rival group size and

composition. *Anim. Behav.*, **66**, 1035-1044.

Radford, A. N. (2004). Vocal coordination of group movement by green woodhoopoes (*Phoeniculus purpureus*). *Ethology*, **110**, 11-20.

Radford, A. N. (2004). Voice breaking in males result in sexual dimorphism of green woodhoopoe calls. *Behaviour*, **141**, 555-569.

Radford, A. N. (2004). Vocal mediation of foraging competition in the cooperatively breeding green woodhoopoe (*Phoeniculus purpureus*). *Behav. Ecol. Sociobiol.*, **56**, 279-285.

Rainey, H. J., Zuberbuhler, K. & Slater, P. J. B. (2004). Hornbills can distinguish between primate alarm calls. *Proc. R. Soc. Lond., B.*, **271**, 755-759.

Rowe, C. (2002). Sound improves visual discrimination learning in avian predators. *Proc. R. Soc. Lond., B.*, **269**, 1353-1357.

Rowe, C. & Skelhorn, J. (2004). Avian psychology and communication. *Proc. R. Soc. Lond., B.*, **271**, 1435-1442.

Saether, S. A. (2002). Female calls in lek-mating birds: indirect mate choice, female competition for mates, or direct mate choice? *Behav. Ecol.*, **13**, 344-352.

Searby, A., Jouventin, P. & Aubin, T. (2004). Acoustic recognition in macaroni penguins: an original signature system. *Anim. Behav.*, **67**, 615-625.

Secondi, J., de Bakker, M. A. G. & ten Cate, C. (2002). Female responses to male coos in the collared dove *Streptopelia decaocto*. *Behaviour*, **139**, 1287-1302.

Secondi, J., den Hartog, P. M. & ten Cate, C. (2003). To trill or not to trill? Territorial response to a heterospecific vocal trait in male collared doves, *Streptopelia decaocto*. *Behav. Ecol.*, **14**, 694-701.

Seddon, N. (2002). The structure, context and possible functions of solos, duets and choruses in the subdesert mesite (*Monias benschi*). *Behaviour*, **139**, 645-676.

Seddon, N. & Tobias, J. A. (2003). Communal singing in the cooperatively breeding subdesert mesite *Monias benschi*: evidence of numerical assessment? *J. Avian Biol.*, **34**, 72-80.

Seddon, N., Amos, W., Mulder, R. A. & Tobias, J. A. (2004). Male heterozygosity predicts territory size, song structure and reproductive success in a cooperatively breeding bird. *Proc. R. Soc. Lond., B.*, **271**, 1823-1830.

Seddon, N., Butchart, S. I. & Odling Smee, L. (2002). Duetting in the subdesert mesite *Monias benschi*: evidence for acoustic mate defence? *Behav. Ecol. Sociobiol.*, **52**, 7-16.

Seddon, N., Tobias, J. A. & Alvarez, A. (2002). Vocal communication in the pale-winged trumpeter (*Psophia leucoptera*): Repertoire, context and functional reference. *Behaviour*, **139**, 1331-1359.

Shaw, B. K. & Kennedy, G. G. (2002). Evidence for species differences in the pattern of androgen receptor distribution in relation to species differences in an androgen-dependent behavior. *J. Neurobiol.*, **52**, 203-220.

Stridter, G. F., Freibott, L., Hile, A. G. & Burley, N. T. (2003). For whom the male calls: an effect of audience on contact call rate and repertoire in budgerigars, *Melopsittacus undulatus*. *Anim. Behav.*, **65**, 875-882.

Suthers, R. A. (2004). Vocal mechanisms in birds and bats: a comparative view. *An. Acad. Brasil. Cienc.*, **76**, 247-252.

Terry, A. M. R. & McGregor, P. K. (2002). Census and monitoring based on individually identifiable vocalizations: the role of neural networks. *Anim. Conserv.*, **5**, 103-111.

Thomassen, H. A., Djasim, U. M. & Povel, D. E. (2004). Echoclick design in swiftlets: single as well as double

clicks. *Ibis*, **146**, 173-174.

Tobias, A. J. & Seddon, N. (2003). Vocalizations and display in the long-tailed ground-roller (*Uratelornis chimaera*). *Wilson Bull.*, **115**, 193-196.

Toukhsati, S. R. & Rickard, N. S. (2004). Variations in intensity and frequency moderate the facilitative effects of a complex rhythm stimulus on long-term memory consolidation in the day-old chick (*Gallus gallus*). *J. Comp. Psychol.*, **118**, 65-70.

Vehrencamp, S. L., Ritter, A. F., Keever, M. & Bradbury, J. W. (2003). Responses to playback of local vs. distant contact calls in the orange-fronted conure, *Aratinga canicularis*. *Ethology*, **109**, 37-54.

Venuto, V. & Taylor, S. (2002). High frequency utterance and perception in the brown-headed parrot *Poicephalus cryptoxanthus*. *Bioacoustics*, **13**, 84-85.

Wahlberg, M., Tougaard, J. & Møhl, B. (2003). Localising bitterns *Botaurus stellaris* with an array of non-linked microphones. *Bioacoustics*, **13**, 233-245.

Wanker, R. (2002). Social system and acoustic communication of spectacled parrotlets (*Forpus conspicillatus*): Research in captivity and the wild. In *Bird Research and Breeding* (C. Mettke-Hofmann & U. Ganzloss, eds.). Filander Verlag; Fuerth.

Wanker, R. & Fischer, J. (2001). Intra- and interindividual variation in the contact calls of spectacled parrotlets (*Forpus conspicillatus*). *Behaviour*, **138**, 709-726.

Weisman, R. G., Njegovan, M. G., Williams, M. T., Cohen, J. S. & Sturdy, C. B. (2004). A behavior analysis of absolute pitch: sex, experience, and species. *Behav. Processes*, **66**, 289-307.

Wright, T. F., Cortopassi, K. A., Bradbury, J. W. & Dooling, R. J. (2003). Hearing and vocalizations in the orange-fronted conure (*Aratinga canicularis*). *J. Comp. Psychol.*, **117**, 87-95.

Zimmerman, P. H., Lundberg, A., Keeling, L. J. & Koene, P. (2003). The effect of an audience on the gake-call and other frustration behaviours in the laying hen (*Gallus gallus domesticus*). *Anim. Welfare*, **12**, 315-326.

## Passerine birds

Absil, P., Pinxten, R., Balthazart, J. & Eens, M. (2003). Effect of age and testosterone on autumnal neurogenesis in male European starlings (*Sturnus vulgaris*). *Behav. Brain Res.*, **143**, 15-30.

Adret, P. (2004). Vocal imitation in blindfolded zebra finches (*Taeniopygia guttata*) is facilitated in the presence of a non-singing conspecific female. *J. Ethol.*, **22**, 29-35.

Adret, P. & Margoliash, D. (2002). Metabolic and neural activity in the song system nucleus robustus archistriatalis: Effect of age and gender. *J. Comp. Neurol.*, **454**, 409-423.

Agate, R. J., Grisham, W., Wade, J., Mann, S., Wingfield, J., Schanen, C., Palotie, A. & Arnold, A. P. (2003). Neural, not gonadal, origin of brain sex differences in a gynandromorphic finch. *Proc. Natl. Acad. Sci. USA*, **100**, 4873-4878.

Alvarez-Borda, B. & Nottebohm, F. (2002). Gonads and singing play separate, additive roles in new neuron recruitment in adult canary brain. *J. Neurosci.*, **22**, 8684-8690.

Amrhein, V., Korner, P. & Naguib, M. (2002). Nocturnal and diurnal singing activity in the nightingale: correlations with mating status and breeding cycle. *Anim. Behav.*, **64**, 939-944.

Amrhein, V., Kunc, H. P. & Naguib, M. (2004). Seasonal patterns of singing activity vary with time of day in the nightingale (*Luscinia megarhynchos*). *Auk*, **121**, 110-117.

Appeltants, D., Ball, G. F. & Balthazart, J. (2003). Song activation by testosterone is associated with an



- increased catecholaminergic innervation of the song control system in female canaries. *Neuroscience*, **121**, 801-814.
- Appeltants, D., Del Negro, C. & Balthazart, J. (2002). Noradrenergic control of auditory information processing in female canaries. *Behav. Brain Res.*, **133**, 221-235.
- Arnold, A. P. (2003). The gender of the voice within: the neural origin of sex differences in the brain. *Curr. Opin. Neurobiol.*, **13**, 759-764.
- Aubin, T., Mathevon, N., da Silva, M. L., Vielliard, J. M. E. & Sebe, F. (2004). How a simple and stereotyped acoustic signal transmits individual information: the song of the white-browed warbler *Basileuterus leucoblepharus*. *An. Acad. Brasil. Cienc.*, **76**, 335-344.
- Avelino, M. F. & Vielliard, J. M. E. (2004). Comparative analysis of the song of the rufous-collared sparrow *Zonotrichia capensis* (Emberizidae) between Campinas and Botucatu, Sao Paulo State, Brazil. *An. Acad. Brasil. Cienc.*, **76**, 345-349.
- Baker, M. C. & Becker, A. M. (2002). Mobbing calls of black-capped chickadees: Effects of urgency on call production. *Wilson Bull.*, **114**, 510-516.
- Baker, M. C. & Logue, D. M. (2003). Population differentiation in a complex bird sound: A comparison of three bioacoustical analysis procedures. *Ethology*, **109**, 223-242.
- Baker, M. C., Baker, M. S. A. & Baker, E. M. (2003). Rapid evolution of a novel song and an increase in repertoire size in an island population of an Australian songbird. *Ibis*, **145**, 465-471.
- Baker, M. C., Baker, M. S. A. & Gammon, D. E. (2003). Vocal ontogeny of nestling and fledgling black-capped chickadees *Poecile atricapilla* in natural populations. *Bioacoustics*, **13**, 265-296.
- Ballentine, B., Badyaev, A. & Hill, G. E. (2003). Changes in song complexity correspond to periods of female fertility in blue grosbeaks (*Guiraca caerulea*). *Ethology*, **109**, 55-66.
- Ballentine, B., Hyman, J. & Nowicki, S. (2004). Vocal performance influences female response to male bird song: An experimental test. *Behav. Ecol.*, **15**, 163-168.
- Balsby, T. J. S. & Dabelsteen, T. (2002). Do males perceive differences in song repertoire size in whitethroats *Sylvia communis*? *Bioacoustics*, **13**, 93-94.
- Balsby, T. J. S. & Dabelsteen, T. (2003). Male calling between courtship sequences in whitethroats: a way to counter intrusions from neighbouring rivals. *Behav. Processes*, **63**, 149-157.
- Balsby, T. J. S. & Dabelsteen, T. (2003). Male singing behaviour and female presence in the territory in whitethroats *Sylvia communis*. *Acta Ethol.*, **5**, 81-88.
- Balsby, T. J. S., Dabelsteen, T. & Pedersen, S. B. (2003). Degradation of whitethroat vocalisations: implications for song flight and communication network activities. *Behaviour*, **140**, 695-719.
- Baptista, L. F. (2002). Regional dialects in birds and humans. *Bioacoustics*, **13**, 77.
- Beltman, J. B., Haccou, P. & ten Cate, C. (2003). The impact of learning foster species' song on the evolution of specialist avian brood parasitism. *Behav. Ecol.*, **14**, 917-923.
- Bensch, S., Helbig, A. J., Salomon, M. & Seibold, I. (2002). Amplified fragment length polymorphism analysis identifies hybrids between two subspecies of warblers. *Mol. Ecol.*, **11**, 473-481.
- Bloomfield, L. L., Sturdy, C. B., Phillmore, L. S. & Weisman, R. G. (2003). Open-ended categorization of chick-a-dee calls by black-capped chickadees (*Poecile atricapilla*). *J. Comp. Psychol.*, **117**, 290-301.
- Bottjer, S. W. (2002). Neural strategies for learning during sensitive periods of development. *J. Comp. Physiol.*,

A., **188**, 917-928.

Braaten, R. F. & Hulse, S. H. (1993). Perceptual organization of auditory temporal patterns in European starlings (*Sturnus vulgaris*). *Percept. Psychophys.*, **54**, 567-578.

Brown, T. J. & Handford, P. (2003). Why birds sing at dawn: the role of consistent song transmission. *Ibis*, **145**, 120-129.

Brumm, H. (2002). Sound radiation patterns in nightingale (*Luscinia megarhynchos*) songs. *J. Ornithol.*, **143**, 468-471.

Brumm, H. (2004). The impact of environmental noise on song amplitude in a territorial bird. *J. Anim. Ecol.*, **73**, 434-440.

Brumm, H. (2004). Causes and consequences of song amplitude adjustment in a territorial bird: a case study in nightingales. *An. Acad. Brasil. Cienc.*, **76**, 289-295.

Brumm, H. & Todt, D. (2003). Facing the rival: Directional singing behaviour in nightingales. *Behaviour*, **140**, 43-53.

Brumm, H. & Todt, D. (2004). Male-male vocal interactions and the adjustment of song amplitude in a territorial bird. *Anim. Behav.*, **67**, 281-286.

Buchanan, K. L., Spencer, K. A., Goldsmith, A. R. & Catchpole, C. K. (2003). Song as an honest signal of past developmental stress in the European starling (*Sturnus vulgaris*). *Proc. R. Soc. Lond., B.*, **270**, 1149-1156.

Burt, J. M., Bard, S. C., Campbell, S. E. & Beecher, M. D. (2002). Alternative forms of song matching in song sparrows. *Anim. Behav.*, **63**, 1143-1151.

Charlier, T. D., Balthazart, J. & Ball, G. F. (2003). Sex differences in the distribution of the steroid receptor coactivator SRC-1 in the song control nuclei of male and female canaries. *Brain Res.*, **959**, 263-274.

Chi, Z., Rauske, P. L. & Margoliash, D. (2003). Detection of spike patterns using pattern filtering, with applications to sleep replay in birdsong. *Neurocomputing*, **52-54**, 19-24.

Chilton, G. (2003). Cultural evolution and song stereotypy in an isolated population of montane white-crowned sparrows (*Zonotrichia leucophrys oriantha*). *Bird Behav.*, **15**, 53-63.

Christie, P. J., Mennill, D. J. & Ratcliffe, L. M. (2004). Pitch shifts and song structure indicate male quality in the dawn chorus of black-capped chickadees. *Behav. Ecol. Sociobiol.*, **55**, 341-348.

Christie, P. J., Mennill, D. J. & Ratcliffe, L. M. (2004). Chickadee song structure is individually distinctive over long broadcast distances. *Behaviour*, **141**, 101-124.

Collias, N. E., Barfield, R. J. & Tarvyd, E. S. (2002). Testosterone versus psychological castration in the expression of dominance, territoriality and breeding behavior by male village weavers (*Ploceus cucullatus*). *Behaviour*, **139**, 801-824.

Cooper, B. G. & Goller, F. (2004). Multimodal signals: Enhancement and constraint of song motor patterns by visual display. *Science*, **303**, 544-546.

Cynx, J. & Gell, C. (2004). Social mediation of vocal amplitude in a songbird, *Taeniopygia guttata*. *Anim. Behav.*, **67**, 451-455.

Dabelsteen, T. (2004). Strategies that facilitate or counter eavesdropping on vocal interactions in songbirds. *An. Acad. Brasil. Cienc.*, **76**, 274-278.

Dabelsteen, T. & Mathevon, N. (2002). Diurnal variation in transmission caused degradation of blackcap *Sylvia atricapilla* song: implications for communication network activities. *Bioacoustics*, **13**, 87.

- Del Negro, C. & Edeline, J.-M. (2002). Sex and season influence the proportion of thin spike cells in the canary HVC. *Neuroreport*, **13**, 2005-2009.
- Desrochers, A., Belisle, M. & Bourque, J. (2002). Do mobbing calls affect the perception of predation risk by forest birds? *Anim. Behav.*, **64**, 709-714.
- Diefenbach, D. R., Brauning, D. W. & Mattice, J. A. (2003). Variability in grassland bird counts related to observer differences and species detection rates. *Auk*, **120**, 1168-1179.
- Dixon, N. (2002). Warblers are born to sing. *New Sci.*, **176**, 14.
- Draganoiu, T. I., Nagle, L. & Kreutzer, M. (2002). Directional female preference for an exaggerated male trait in canary (*Serinus canaria*) song. *Proc. R. Soc. Lond., B.*, **269**, 2525-2531.
- Drew, P. J. & Abbott, L. F. (2003). Model of song selectivity and sequence generation in area HVC of the songbird. *J. Neurophysiol.*, **89**, 2697-2706.
- Dussourd, N. & Ritchison, G. (2003). Singing behavior of male yellow-breasted chats: Repertoires, rates, reproductive success, and a comparison with other wood-warblers. *Wilson Bull.*, **115**, 52-57.
- Ellers, J. & Slabbekoorn, H. (2003). Song divergence and male dispersal among bird populations: a spatially explicit model testing the role of vocal learning. *Anim. Behav.*, **65**, 671-681.
- Enggist-Dueblin, P. & Pfister, U. (2002). Cultural transmission of vocalizations in ravens, *Corvus corax*. *Anim. Behav.*, **64**, 831-841.
- Fandino-Marino, H. & Vielliard, J. M. E. (2004). Complex communication signals: the case of the blue-black grassquit *Volatinia jacarina* (Aves, Emberizidae) song. Part I - A structural analysis. *An. Acad. Bras. Cienc.*, **76**, 325-334.
- Farnsworth, A., Gauthreaux, S. A., Jr. & van Blaricom, D. (2004). A comparison of nocturnal call counts of migrating birds and reflectivity measurements on Doppler radar. *J. Avian Biol.*, **35**, 365-369.
- Fedy, B. C., Norris, D. R. & Stutchbury, B. J. M. (2002). Do male hooded warblers guard their mates when their paternity is most at risk? *J. Field Ornithol.*, **73**, 420-426.
- Fee, M. S. (2002). Measurement of the linear and nonlinear mechanical properties of the oscine syrinx: Implications for function. *J. Comp. Physiol., A.*, **188**, 829-839.
- Ferguson, J. W. H., van Zyl, A. & Delpont, K. (2002). Vocal mimicry in African *Cossypha* robin chats. *J. Ornithol.*, **143**, 319-330.
- Forstmeier, W., Kempenaers, B., Meyer, A. & Leisler, B. (2002). A novel song parameter correlates with extra-pair paternity and reflects male longevity. *Proc. R. Soc. Lond., B.*, **269**, 1479-1485.
- Freeberg, T. M., West, M. J., King, A. P., Duncan S. D. & Sengelaub, D. R. (2002). Cultures, genes, and neurons in the development of song and singing in brown-headed cowbirds (*Molothrus ater*). *J. Comp. Physiol., A.*, **188**, 993-1002.
- Funabiki, Y. & Konishi, M. (2003). Long memory in song learning by zebra finches. *J. Neurosci.*, **23**, 6928-6935.
- Fusani, L., Metzendorf, R., Hutchison, J. B. & Gahr, M. (2003). Aromatase inhibition affects testosterone-induced masculinization of song and the neural song system in female canaries. *J. Neurobiol.*, **54**, 370-379.
- Gammon, D. E., Baker, M. C. & Betancourt, L. (2002). Lack of discrimination of conspecific vocalizations by black-capped chickadees: tests on hand-raised juveniles. *Condor*, **104**, 854-858.

- Garamszegi, L. Z. & Møller, A. P. (2004). Extrapair paternity and the evolution of bird song. *Behav. Ecol.*, **15**, 508-519.
- Garamszegi, L. Z., Møller, A. P. & Erritzoe, J. (2003). The evolution of immune defense and song complexity in birds. *Evolution*, **57**, 905-912.
- Garamszegi, L. Z., Møller, A. P., Toeroek, J., Michl, G., Peczely, P. & Richard, M. (2004). Immune challenge mediates vocal communication in a passerine bird: an experiment. *Behav. Ecol.*, **15**, 148-157.
- Geberzahn, N. (2003). Is quantity of song type use in adult birds related to singing during development? *Behaviour*, **140**, 593-602.
- Geberzahn, N. & Hultsch, H. (2003). Long-time storage of song types in birds: evidence from interactive playbacks. *Proc. R. Soc. Lond., B.*, **270**, 1085-1090.
- Geberzahn, N. & Hultsch, H. (2004). Rules of song development and their use in vocal interactions by birds with large repertoires. *An. Acad. Brasil. Cienc.*, **76**, 209-218.
- Geberzahn, N., Hultsch, H. & Todt, D. (2002). Latent song type memories are accessible through auditory stimulation in a hand-reared songbird. *Anim. Behav.*, **64**, 783-790.
- Gentner, T. Q. & Margoliash, D. (2003). Neuronal populations and single cells representing learned auditory objects. *Nature*, **424**, 669-674.
- Gil, D. (2002). Repeatability and heritability of song repertoire characteristics in the willow warbler *Phylloscopus trochilus*. *Bioacoustics*, **13**, 100.
- Gil, D. & Slater, P. J. B. (2002). Song and age or the latitude of longitudinal studies. *Anim. Behav.*, **64**, F13-F14.
- Gill, S. A. & Sealy, S. G. (2003). Tests of two functions of alarm calls given by yellow warblers during nest defence. *Can. J. Zool.*, **81**, 1685-1690.
- Gill, S. A. & Sealy, S. G. (2004). Functional reference in an alarm signal given during nest defence: set calls of yellow warblers denote brood-parasitic brown-headed cowbirds. *Behav. Ecol. Sociobiol.*, **56**, 71-80.
- Goldstein, M. H., King, A. P. & West, M. J. (2003). Social interaction shapes babbling: Testing parallels between birdsong and speech. *Proc. Natl. Acad. Sci. USA*, **100**, 8030-8035.
- Goller, F. (1998). Vocal gymnastics and the bird brain. *Nature*, **395**, 11-12.
- Goller, F. & Larsen, O. N. (2002). New perspectives on mechanisms of sound generation in songbirds. *J. Comp. Physiol., A.*, **188**, 841-850.
- Gorissen, L. & Eens, M. (2004). Interactive communication between male and female great tits (*Parus major*) during the dawn chorus. *Auk*, **121**, 184-191.
- Gorney-Labinger, E. & Rothstein, S. I. (2002). Brown-headed cowbirds in Eastern and Western North America show similar use of courtship songs in copulation contexts. *Condor*, **104**, 866-873.
- Grace, J. A., Amin, N., Singh, N. C. & Theunissen, F. E. (2003). Selectivity for conspecific song in the zebra finch auditory forebrain. *J. Neurophysiol.*, **89**, 472-487.
- Grafe, T. U., Bitz, J. H. & Wink, M. (2004). Song repertoire and duetting behaviour of the tropical boubou, *Laniarius aethiopicus*. *Anim. Behav.*, **68**, 181-191.
- Grant, B. R. & Grant, P. R. (2002). Simulating secondary contact in allopatric speciation: an empirical test of premating isolating. *Biol. J. Linn. Soc.*, **76**, 545-556.
- Greenberg, R. (2003). The use of nest departure calls for surveying swamp sparrows. *J. Field Ornithol.*, **74**, 12-

- Griesser, M. & Ekman, J. (2004). Nepotistic alarm calling in the Siberian jay, *Perisoreus infaustus*. *Anim. Behav.*, **67**, 933-939.
- Griessmann, B. & Naguib, M. (2002). Song sharing in neighboring and non-neighboring thrush nightingales (*Luscinia luscinia*) and its implications for communication. *Ethology*, **108**, 377-387.
- Gros-Louis, J., White, D. J., King, A. P. & West, M. J. (2003). Female brown-headed cowbirds' (*Molothrus ater*) social assortment changes in response to male song: a potential source of public information. *Behav. Ecol. Sociobiol.*, **53**, 163-173.
- Guettinger, H. R., Turner, T., Dobmeyer, S. & Nicolai, J. (2002). Melody learning and transposition in the bullfinch (*Pyrrhula pyrrhula*). *J. Ornithol.*, **143**, 303-318.
- Haftorn, S. (2000). Contexts and possible functions of alarm calling in the willow tit, *Parus montanus*; the principle of 'better safe than sorry'. *Behaviour*, **137**, 437-449.
- Hahnloser, R. H. R., Kozhevnikov, A. A. & Fee, M. S. (2002). An ultra-sparse code underlies the generation of neural sequences in a songbird. *Nature*, **419**, 65-70.
- Hall, M. L. (2004). A review of hypotheses for the functions of avian duetting. *Behav. Ecol. Sociobiol.*, **55**, 415-430.
- Halle, F., Gahr, M. & Kreuzer, M. (2003). Effects of unilateral lesions of HVC on song patterns of male domesticated canaries. *J. Neurobiol.*, **56**, 303-314.
- Hamao, S. & Eda-Fujiwara, H. (2004). Vocal mimicry by the black-browed reed warbler *Acrocephalus bistrigiceps*: objective identification of mimetic sounds. *Ibis*, **146**, 61-68.
- Hansen, B. T. & Slagsvold, T. (2003). Rival imprinting: interspecifically cross-fostered tits defend their territories against heterospecific intruders. *Anim. Behav.*, **65**, 1117-1123.
- Hauber, M. E. (2003). Lower begging responsiveness of host versus parasitic brown-headed cowbird (*Molothrus ater*) nestlings is related to species identity but not to early social experience. *J. Comp. Psychol.*, **117**, 24-30.
- Heinrich, J., Singh, T., Nordeen, K. & Nordeen, E. (2003). NR2B downregulation in a forebrain region required for avian vocal learning is not sufficient to close the sensitive period for song learning. *Neurobiol. Learn. Mem.*, **79**, 99-108.
- Henning, F. W., Wolters, V. & Schottler, B. H. (2002). Canary island chiffchaff *Phylloscopus [collybita] canariensis* - vocal development during nestling period. *Bioacoustics*, **13**, 97.
- Hill, C. E. (1999). *Song and extra-pair mate choice in song sparrows*. Ph.D. thesis. University of Washington.
- Hofer, S. B. & Klump, G. M. (2003). Within- and across-channel processing in auditory masking: A physiological study in the songbird forebrain. *J. Neurosci.*, **23**, 5732-5739.
- Hultsch, H. & Todt, D. (2004). Approaches to the mechanisms of song memorization and singing provide evidence for a procedural memory. *An. Acad. Bras. Cienc.*, **76**, 219-230.
- Huntsman, B. O. & Ritchison, G. (2002). Use and possible functions of large song repertoires by male eastern bluebirds. *J. Field Ornithol.*, **73**, 372-378.
- Hutchinson, J. M. C. (2002). Two explanations of the dawn chorus compared: how monotonically changing light levels favour a short break from singing. *Anim. Behav.*, **64**, 527-539.
- Hyman, J. (2003). Countersinging as a signal of aggression in a territorial songbird. *Anim. Behav.*, **65**, 1179-1185.

- Hyman, J., Hughes, M., Searcy, W. A. & Nowicki, S. (2004). Individual variation in the strength of territory defense in male song sparrows: Correlates of age, territory tenure, and neighbor aggressiveness. *Behaviour*, **141**, 15-27.
- Ikebuchi, M., Futamatsu, M. & Okanoya, K. (2003). Sex differences in song perception in Bengalese finches measured by the cardiac response. *Anim. Behav.*, **65**, 123-130.
- Jimenez, I., Londono, G. A. & Cadena, C. D. (2003). Efficiency, bias, and consistency of visual and aural surveys of curassows (Cracidae) in tropical forests. *J. Field Ornithol.*, **74**, 210-216.
- Jones, A. L., Shriver, W. G., Bulgin, N. L., Lockwood, R. & Vickery, P. D. (2003). A probable grasshopper x savannah sparrow hybrid singing a song sparrow song. *Wilson Bull.*, **115**, 231-236.
- Kasumovic, M. M., Ratcliffe, L. M. & Boag, P. T. (2003). Song structure may differ between male and female least flycatchers. *Wilson Bull.*, **115**, 241-245.
- Kendra, S., Kelsey, R. & Hahn, T. P. (2004). Discrete variants of evening grosbeak flight calls. *Condor*, **106**, 161-165.
- King, A. P., West, M. J. & White, D. J. (2003). Female cowbird song perception: Evidence for plasticity of preference. *Ethology*, **109**, 865-878.
- Kipper, S., Mundry, R., Hultsch, H. & Todt, D. (2004). Long-term persistence of song performance rules in nightingales (*Luscinia megarhynchos*): a longitudinal field study on repertoire size and composition. *Behaviour*, **141**, 371-390.
- Kojima, S. & Aoki, K. (2003). Intrinsic and synaptic properties of the dorsomedial nucleus of the intercollicular complex, an area known to be involved in distance call production in Bengalese finches. *Brain Res.*, **966**, 84-94.
- Kompo, R. R., Theunissen, F. E. & Doupe, A. J. (2003). Propagation of correlated activity through multiple stages of a neural circuit. *J. Neurosci.*, **23**, 5750-5761.
- Krams, I. (2001). Perch selection by singing chaffinches: a better view of surroundings and the risk of predation. *Behav. Ecol.*, **12**, 295-300.
- Kumar, A. (2004). Acoustic communication in the red-vented bulbul *Pycnonotus cafer*. *An. Acad. Brasil. Cienc.*, **76**, 350-358.
- Lachlan, R. F. & Slater, P. J. B. (2003). Song learning by chaffinches: how accurate, and from where? *Anim. Behav.*, **65**, 957-969.
- Laiolo, P. & Rolando, A. (2003). Comparative analysis of the rattle calls in *Corvus* and *Nucifraga*: The effect of body size, bill size, and phylogeny. *Condor*, **105**, 139-145.
- Laiolo, P., Rolando, A., Delestrade, A. & De Sanctis, A. (2001). Geographic diversification in the call repertoire of the genus *Pyrrhocorax* (Aves, Corvidae). *Can. J. Zool.*, **79**, 1568-1576.
- Laiolo, P., Rolando, A., Delestrade, A. & De Sanctis, A. (2001). Geographical variation in the calls of the choughs. *Condor*, **103**, 287-297.
- Laje, R., Gardner, T. J. & Mindlin, G. B. (2002). Neuromuscular control of vocalizations in birdsong: A model. *Physical Review E*, **65**, 519211-519218.
- Lampe, H. M. & Espmark, Y. O. (2003). Mate choice in pied flycatchers *Ficedula hypoleuca*: can females use song to find high-quality males and territories? *Ibis*, **145** (online), E24-E33.
- Lampe, H. M., Dabelsteen, T., Larsen, O. N. & Pedersen, S. B. (2004). Degradation of song in a species using nesting holes: the pied flycatcher *Ficedula hypoleuca*. *An. Acad. Brasil. Cienc.*, **76**, 264-266.

- Langemann, U., Tavares, J. P., Peake, T. M. & McGregor, P. K. (2000). Response of great tits to escalating patterns of playback. *Behaviour*, **137**, 451-471.
- Larsen, O. N. (2004). Does the environment constrain avian sound localization? *An. Acad. Brasil. Cienc.*, **76**, 267-273.
- Larsen, O. N. & Goller, F. (2002). New views of sound generating structures in the bird syrinx. *Bioacoustics*, **13**, 83-84.
- Lecoq, M. & Catry, P. (2003). Diurnal tape-luring of wintering chiffchaffs results in samples with biased sex ratios. *J. Field Ornithol.*, **74**, 230-232.
- Leger, D. W. & Mountjoy, D. J. (2003). Geographic variation in song of the bright-rumped attila (Tyrannidae: *Attila spadiceus*): Implications for species status. *Auk*, **120**, 69-74.
- Leitao, A. & Riebel, K. (2003). Are good ornaments bad armaments? Male chaffinch perception of songs with varying flourish length. *Anim. Behav.*, **66**, 161-167.
- Leitao, A., van Dooren, T. J. M. & Riebel, K. (2004). Temporal variation in chaffinch *Fringilla coelebs* song: interrelations between the trill and flourish. *J. Avian Biol.*, **35**, 199-203.
- Leitner, S. & Catchpole, C. K. (2002). Female canaries that respond and discriminate more between male songs of different quality have a larger song control nucleus (HVC) in the brain. *J. Neurobiol.*, **52**, 294-301.
- Leitner, S., Nicholson, J., Leisler, B., DeVoogd, T. J. & Catchpole, C. K. (2002). Song and the song control pathway in the brain can develop independently of exposure to song in the sedge warbler. *Proc. R. Soc. Lond., B.*, **269**, 2519-2524.
- Leonard, M. L. & Horn, A. G. (2001). Dynamics of calling by tree swallow (*Tachyneta bicolor*) nestmates. *Behav. Ecol. Sociobiol.*, **50**, 430-435.
- Leonard, M. L., Horn, A. G. & Parks, E. (2003). The role of posturing and calling in the begging display of nestling birds. *Behav. Ecol. Sociobiol.*, **54**, 188-193.
- Liu, W.-C. (2004). The effect of neighbours and females on dawn and daytime singing behaviours by male chipping sparrows. *Anim. Behav.*, **68**, 39-44.
- Lohr, B., Lauer, A., Newman, M. R. & Dooling, R. J. (2004). Hearing in the red-billed firefinch (*Lagonosticta senegala*) and the Spanish timbrado canary (*Serinus canaria*): The influence of natural and artificial selection on auditory abilities and vocal structure. *Bioacoustics*, **14**, 83-98.
- Lohr, B., Wright, T. F. & Dooling, R. J. (2003). Detection and discrimination of natural calls in masking noise by birds: estimating the active space of a signal. *Anim. Behav.*, **65**, 763-777.
- Lovell, S. F. & Lein, M. R. (2004). Neighbor-stranger discrimination by song in a suboscine bird, the alder flycatcher, *Empidonax alnorum*. *Behav. Ecol.*, **15**, 799-804.
- Lucas, J. R., Freeberg, T. M., Krishnan, A. & Long, G. R. (2002). A comparative study of avian auditory brainstem responses: correlations with phylogeny and vocal complexity, and seasonal effects. *J. Comp. Physiol., A.*, **188**, 981-992.
- Luo, M. & Perkel, D. J. (2002). Intrinsic and synaptic properties of neurons in an avian thalamic nucleus during song learning. *J. Neurophysiol.*, **88**, 1903-1914.
- MacDougall-Shackleton, E. A., Derryberry, E. P. & Hahn, T. P. (2002). Nonlocal male mountain white-crowned sparrows have lower paternity and higher parasite loads than males singing local dialect. *Behav. Ecol.*, **13**, 682-689.

- MacDougall-Shackleton, S. & Hulse, S. H. (1996). Concurrent absolute and relative pitch processing by European starlings (*Sturnus vulgaris*). *J. Comp. Psychol.*, **110**, 139-146.
- MacGregor, N. A. & Cockburn, A. (2002). Sex differences in parental response to begging nestlings in superb fairy-wrens. *Anim. Behav.*, **63**, 923-932.
- Maney, D. L., MacDougall-Shackleton, E. A., MacDougall-Shackleton, S. A., Ball, G. F. & Hahn, T. P. (2003). Immediate early gene response to hearing song correlates with receptive behavior and depends on dialect in a female songbird. *J. Comp. Physiol., A.*, **189**, 667-674.
- Mann, N. I., Marshall-Ball, L. & Slater, P. J. B. (2003). The complex song duet of the plain wren. *Condor*, **105**, 672-682.
- Margoliash, D. (2002). Evaluating theories of bird song learning: implications for future directions. *J. Comp. Physiol., A.*, **188**, 851-866.
- Marler, P. (2000). Origins of music and speech: Insights from animals. In *The Origins of Music* (N. L. Wallin, B. Merker and S. Brown, eds.). The MIT Press; Cambridge, Mass., pp. 31-48.
- Marler, P. (2004). Innateness and the instinct to learn. *An. Acad. Brasil. Cienc.*, **76**, 189-200.
- Mathevon, N., Aubin, T., Dabelsteen, T. & Vielliard, J. M. E. (2004). Are communication activities shaped by environmental constraints in reverberating and absorbing forest habitats? *An. Acad. Brasil. Cienc.*, **76**, 259-263.
- Matyjasiak, P. & Fuszara, M. (2002). Do black-capped warblers *Sylvia atricapilla* sing different songs during intra- and interspecific territorial contests? *Bioacoustics*, **13**, 99-100.
- Maurer, G., Magrath, R. D., Leonard, M. L., Horn, A. G. & Donnelly, C. (2003). Begging to differ: scrub wren nestlings beg to alarm calls and vocalize when parents are absent. *Anim. Behav.*, **65**, 1045-1055.
- McCallum, A. (2002). Modelling interspecific differences in chickadee notes with a multiplicative AM model. *Bioacoustics*, **13**, 88-89.
- Mello, C. V. (2002). Mapping vocal communication pathways in birds with inducible gene expression. *J. Comp. Physiol., A.*, **188**, 943-959.
- Mello, C. V. (2004). Identification and analysis of vocal communication pathways in birds through inducible gene expression. *An. Acad. Brasil. Cienc.*, **76**, 243-246.
- Mennill, D. J. & Ratcliffe, L. M. (2004). Overlapping and matching in the song contests of black-capped chickadees. *Anim. Behav.*, **67**, 441-450.
- Mennill, D. J. & Ratcliffe, L. M. (2004). Do male black-capped chickadees eavesdrop on song contests? A multi-speaker playback experiment. *Behaviour*, **141**, 125-139.
- Mennill, D. J., Boag, P. T. & Ratcliffe, L. M. (2003). The reproductive choices of eavesdropping female black-capped chickadees, *Poecile atricapillus*. *Naturwissenschaften*, **90**, 577-582.
- Miller, G. (2003). Singing in the brain. *Science*, **299**, 646-648.
- Mooney, R., Rosen, M. J. & Sturdy, C. B. (2002). A bird's eye view: top down intracellular analyses of auditory selectivity for learned vocalizations. *J. Comp. Physiol., A.*, **188**, 879-895.
- Moore, I. T., Wada, H., Perfito, N., Busch, D. S., Hahn, T. P. & Wingfield, J. C. (2004). Territoriality and testosterone in an equatorial population of rufous-collared sparrows, *Zonotrichia capensis*. *Anim. Behav.*, **67**, 411-420.
- Mulder, R. A., Bishop, H., Cooper, M., Dennis, S., Koetsveld, M., Marshall, J., Saunders, B. L. & Langmore, N. E. (2003). Alternate functions for duet and solo songs in magpie-larks, *Grallina cyanoleuca*. *Aust. J. Zool.*, **51**, 25-30.



- Mundry, R. & Sommer, C. (2004). Tonal vocalizations in a noisy environment: an approach to their semi-automatic analysis and examples of its application. *An. Acad. Brasil. Cienc.*, **76**, 284-288.
- Murray, R. L., Stanton, T. P. & Emrick, V. R. (2004). Bachman's sparrows mimic the vocalizations of the common yellowthroat and the indigo bunting. *J. Field Ornithol.*, **75**, 51-52.
- Nagle, L., Kreutzer, M. & Vallet, E. (2002). Adult female canaries respond to male song by calling. *Ethology*, **108**, 463-472.
- Naguib, M., Mundry, R., Hultsch, H. & Todt, D. (2002). Responses to playback of whistle songs and normal songs in male nightingales: effects of song category, whistle pitch, and distance. *Behav. Ecol. Sociobiol.*, **52**, 216-223.
- Narins, P. M., Feng, A. S., Lin, W., Schnitzler, H.-U., Denzinger, A., Suthers, R. A. & Xu, C. (2004). Old World frog and bird vocalizations contain prominent ultrasonic harmonics. *J. Acoust. Soc. Am.*, **115**, 910-913.
- Nealen, P. M. & Schmidt, M. F. (2002). Comparative approaches to avian song system function: insights into auditory and motor processing. *J. Comp. Physiol., A.*, **188**, 929-941.
- Nelson, B. S. (2002). Duplex auditory distance assessment in a small passerine bird (*Pipilo erythrophthalmus*). *Behav. Ecol. Sociobiol.*, **53**, 42-50.
- Nelson, B. S. (2004). Dynamics of frequency and amplitude modulations in vocalizations produced by eastern towhees, *Pipilo erythrophthalmus*. *J. Acoust. Soc. Am.*, **115**, 1333-1344.
- Nelson, D. A. & Soha, J. A. (2004). Male and female white-crowned sparrows respond differently to geographic variation in song. *Behaviour*, **141**, 53-69.
- Nelson, D. A. & Soha, J. A. (2004). Perception of geographical variation in song by male Puget Sound white-crowned sparrows, *Zonotrichia leucophrys pugetensis*. *Anim. Behav.*, **68**, 395-405.
- Nemeth, E., Winkler, H. & Dabelsteen, T. (2001). Differential degradation of antbird songs in a Neotropical rainforest: Adaptation to perch height? *J. Acoust. Soc. Am.*, **110**, 3263-3274.
- Nixdorf-Bergweiler, B. E., Bindrich, A. & Frommolt, K.-H. (2002). Are introductory notes in zebra finch song genetically determined? *Bioacoustics*, **13**, 95.
- Nolan, P. M. & Hill, G. E. (2004). Female choice for song characteristics in the house finch. *Anim. Behav.*, **67**, 403-410.
- Nowicki, S., Searcy, W. A. & Peters, S. (2002). Quality of song learning affects female response to male bird song. *Proc. R. Soc. Lond., B.*, **269**, 1949-1954.
- Nowicki, S., Searcy, W. A. & Peters, S. (2002). Brain development, song learning and mate choice in birds: a review and experimental test of the "nutritional stress hypothesis". *J. Comp. Physiol., A.*, **188**, 1003-1014.
- Nowicki, S., Searcy, W. A., Krueger, T. & Hughes, M. (2002). Individual variation in response to simulated territorial challenge among territory-holding song sparrows. *J. Avian Biol.*, **33**, 253-259.
- O'Loughlen, A. L. & Rothstein, S. I. (2002). East and west coast female brown-headed cowbirds agree: both categories of male song are sexy. *Anim. Behav.*, **64**, 609-617.
- O'Loughlen, A. L. & Rothstein, S. I. (2002). Vocal development is correlated with an indicator of hatching date in brown-headed cowbirds. *Condor*, **104**, 761-771.
- O'Loughlen, A. L. & Rothstein, S. I. (2003). Female preference for the songs of older males and the maintenance of dialects in brown-headed cowbirds (*Molothrus ater*). *Behav. Ecol. Sociobiol.*, **53**, 102-109.

- O'Loughlen, A. L. & Rothstein, S. I. (2004). Divergent sexual responses to different categories of foreign courtship songs in female brown-headed cowbirds (*Molothrus ater*). *Auk*, **121**, 824-836.
- Osiejuk, T. S. & Kuczynski, L. (2003). Response to typical, shortened and mixed song variants in Eurasian treecreeper (*Certhia familiaris*). *Biologia* (Bratislava), **58**, 985-989.
- Osiejuk, T. S. & Ratynska, K. (2003). Song repertoire and microgeographic variation in song type distribution in the corn bunting *Miliaria calandra* from Poland. *Folia Zool.*, **52**, 275-286.
- Osiejuk, T. S., Ratynska, K. & Cygan, J. P. (2004). Signal value of alternating and overlapping singing in the yellowhammer *Emberiza citrinella*. *J. Ethology*, **22**, 55-61.
- Osiejuk, T. S., Ratynska, K., Cygan, J. P. & Dale, S. (2003). Song structure and repertoire variation in ortolan bunting (*Emberiza hortulana* L.) from isolated Norwegian population. *Ann. Zool. Fennici*, **40**, 3-16.
- Osiejuk, T. S., Ratynska, K., Cygan, J. P. & Dale, S. (2003). Ortolan bunting *Emberiza hortulana* singing like yellowhammer *E. citrinella*. *Ornis Fennica*, **80**, 38-42.
- Otter, K. A., Stewart, I. R. K., McGregor, P. K., Terry, A. M. R., Dabelsteen, T. & Burke, T. (2001). Extra-pair paternity among great tits *Parus major* following manipulation of male signals. *J. Avian Biol.*, **32**, 338-344.
- Owen-Ashley, N. T., Schoech, S. J. & Mumme, R. L. (2002). Context-specific response of Florida scrub-jay pairs to northern mockingbird vocal mimicry. *Condor*, **104**, 858-866.
- Paeckert, M., Martens, J., Kosuch, J., Nazarenko, A. A. & Veith, M. (2003). Phylogenetic signal in the song of crests and kinglets (Aves: *Regulus*). *Evolution*, **57**, 616-629.
- Park, K. H. & Clayton, D. F. (2002). Influence of restraint and acute isolation on the selectivity of the adult zebra finch zenk gene response to acoustic stimuli. *Behav. Brain Res.*, **136**, 185-191.
- Pasteau, M., Nagle, L. & Kreutzer, M. (2004). Preferences and predispositions for intra-syllabic diversity in female canaries (*Serinus canaria*). *Behaviour*, **141**, 571-583.
- Payne, R. B. & Sorenson, M. D. (2004). Behavioral and genetic identification of a hybrid *Vidua*: Maternal origin and mate choice in a brood-parasitic finch. *Auk*, **121**, 156-161.
- Payne, R. B., Hustler, K., Stjernstedt, R., Sefc, K. M. & Sorenson, M. D. (2002). Behavioural and genetic evidence of a recent population switch to a novel host species in brood-parasitic indigobirds *Vidua chalybeata*. *Ibis*, **144**, 373-383.
- Payne, R. B., Parr, C. S. & Payne, L. L. (2003). Song mimicry, song dialects, and behavioural context of songs in brood-parasitic straw-tailed whydahs, *Vidua fischeri*. *Ostrich*, **74**, 87-96.
- Peake, T. M., Terry, A. M. R., McGregor, P. K. & Dabelsteen, T. (2002). Do great tits assess rivals by combining direct experience with information gathered by eavesdropping. *Proc. R. Soc. Lond., B.*, **269**, 1925-1929.
- Phillmore, L. S., Sturdy, C. B. & Weisman, R. G. (2003). Does reduced social contact affect discrimination of distance cues and individual vocalizations? *Anim. Behav.*, **65**, 911-922.
- Pinxten, R., De Ridder, E., Balthazart, J. & Eens, M. (2002). Context-dependent effects of castration and testosterone treatment on song in male European starlings. *Horm. Behav.*, **42**, 307-318.
- Platzen, D. & Magrath, R. D. (2004). Parental alarm calls suppress nestling vocalization. *Proc. R. Soc. Lond., B.*, **271**, 1271-1276.
- Price, J. J. & Lanyon, S. M. (2002). Reconstructing the evolution of complex bird song in the oropendolas. *Evolution*, **56**, 1514-1529.

- Price, J. J. & Lanyon, S. M. (2004). Patterns of song evolution and sexual selection in the oropendolas and caciques. *Behav. Ecol.*, **15**, 485-497.
- Price, J. J. & Lanyon, S. M. (2004). Song and molecular data identify congruent but novel affinities of the green oropendola (*Psarocolius viridis*). *Auk*, **121**, 224-229.
- Rajala, M., Raetti, O. & Suhonen, J. (2003). Age differences in the response of willow tits (*Parus montanus*) to conspecific alarm calls. *Ethology*, **109**, 501-511.
- Rasmussen, R. & Dabelsteen, T. (2002). Song repertoires and repertoire sharing in a local group of blackbirds. *Bioacoustics*, **13**, 63-76.
- Rauske, P. L., Shea, S. D. & Margoliash, D. (2003). State and neuronal class-dependent reconfiguration in the avian song system. *J. Neurophysiol.*, **89**, 1688-1701.
- Rheindt, F. E. (2003). The impact of roads on birds: Does song frequency play a role in determining susceptibility to noise pollution? *J. Ornithol.*, **144**, 295-306.
- Rich, T. D. (2002). The short song of Brewer's sparrow: Individual and geographic variation in southern Idaho. *West. N. Am. Nat.*, **62**, 288-299.
- Riebel, K. & Slater, P. J. B. (2003). Temporal variation in male chaffinch song depends on the singer and the song type. *Behaviour*, **140**, 269-288.
- Riebel, K. & Smallegange, I. M. (2003). Does zebra finch (*Taeniopygia guttata*) preference for the (familiar) father's song generalize to the songs of unfamiliar brothers. *J. Comp. Psychol.*, **117**, 61-66.
- Riters, L. V. & Teague, D. P. (2003). The volumes of song control nuclei, HVC and IMAN, relate to differential behavioral responses of female European starlings to male songs produced within and outside of the breeding season. *Brain Res.*, **978**, 91-98.
- Rogers, A. C., Ferguson, J. E., Harrington, H. M., McDowell, S., Miller, A. & Panagos, J. (2004). Use of stereo duet playback to investigate traditional duet playback methods and mechanisms of cooperative territorial defence in magpie-larks. *Behaviour*, **141**, 741-753.
- Rogers, D. J. (2003). Geographic song variation within and between populations and subspecies of the rufous bristlebird, *Dasyornis broadbenti*. *Aust. J. Zool.*, **51**, 1-14.
- Rosen, M. J. & Mooney, R. (2003). Inhibitory and excitatory mechanisms underlying auditory responses to learned vocalizations in the songbird nucleus HVC. *Neuron*, **39**, 177-194.
- Rosselli, L., Vasquez, P. & Ayub, I. (2002). The courtship displays and social system of the white-ruffed manakin in Costa Rica. *Wilson Bull.*, **114**, 165-178.
- Rowe, C. & Skelhorn, J. (2004). Avian psychology and communication. *Proc. R. Soc. Lond., B.*, **271**, 1435-1442.
- Rutkowska-Guz, J. M. & Osiejuk, T.S. (2004). Song structure and variation in Yellowhammers *Emberiza citrinella* from western Poland. *Pol. J. Ecol.*, **52**, 327-339.
- Rybak, F. & Gahr, M. (2004). Modulation by steroid hormones of a "sexy" acoustic signal in an oscine species, the common canary *Serinus canaria*. *An. Acad. Brasil. Cienc.*, **76**, 365-367.
- Saino, N., Galeotti, P., Sacchi, R., Boncoraglio, G., Martinelli, R. & Møller, A. P. (2003). Sex differences in begging vocalizations of nestling barn swallows, *Hirundo rustica*. *Anim. Behav.*, **66**, 1003-1010.
- Saino, N., Romano, M., Sacchi, R., Ninni, P., Galeotti, P. & Møller, A. P. (2003). Do male barn swallows (*Hirundo rustica*) experience a trade-off between the expression of multiple sexual signals? *Behav. Ecol. Sociobiol.*, **54**, 465-471.

- Searcy, W. A., Nowicki, S. & Peters, S. (2003). Phonology and geographic song discrimination in song sparrows. *Ethology*, **109**, 23-36.
- Secondi, J., Faivre, B. & Ferry, C. (2002). Morphological and song variation patterns in the *Hippolais* warblers' hybrid zone. *Bioacoustics*, **13**, 89-90.
- Seibt, U., Wickler, W., Kleindienst, H.-U. & Sonnenschein, E. (2002). Structure, geography and origin of dialects in the traditive song of the forest weaver *Ploceus bicolor sclateri* in Natal, S. Africa. *Behaviour*, **139**, 1237-1265.
- Sewall, K., Kelsey, R. & Hahn, T. P. (2004). Discrete variants of evening grosbeak flight calls. *Condor*, **106**, 161-166.
- Shea, S. D. & Margoliash, D. (2003). Basal forebrain cholinergic modulation of auditory activity in the zebra finch song system. *Neuron*, **40**, 1213-1226.
- Singh, T. D., Heinrich, J. E., Wissman, A. M., Brenowitz, E. A., Nordeen, E. J. & Nordeen, K. W. (2003). Seasonal regulation of NMDA receptor NR2B mRNA in the adult canary song system. *J. Neurobiol.*, **54**, 593-603.
- Slabbekoorn, H. & Peet, M. (2003). Birds sing at a higher pitch in urban noise. *Nature*, **424**, 267.
- Slabbekoorn, H. & Smith, T. B. (2002). Habitat-dependent song divergence in the little greenbul: An analysis of environmental selection pressures on acoustic signals. *Evolution*, **56**, 1849-1858.
- Slabbekoorn, H., Eilers, J. & Smith, T. B. (2002). Bird song and sound transmission: The benefits of reverberations. *Condor*, **104**, 564-573.
- Slabbekoorn, H., Jesse, A. & Bell, D. A. (2003). Microgeographic song variation in island populations of the white-crowned sparrow (*Zonotrichia leucophrys nutalli*): innovation through recombination. *Behaviour*, **140**, 947-963.
- Slater, P. J. B. (2000). Birdsong repertoires: Their origins and use. In *The Origins of Music* (N. L. Wallin, B. Merker and S. Brown, eds.). The MIT Press; Cambridge, Mass., pp. 49-63.
- Slater, P. J. B. (2003). Fifty years of bird song research: a case study in animal behaviour. *Anim. Behav.*, **65**, 633-639.
- Slater, P. J. B. & Mann, N. I. (2004). Why do the females of many bird species sing in the tropics? *J. Avian Biol.*, **35**, 289-294.
- Soderstrom, K. & Johnson, F. (2003). Canabinoid exposure alters learning of zebra finch vocal patterns. *Dev. Brain Res.*, **142**, 215-217.
- Soha, J. A. & Whaling, C. (2002). Responses of adult white-crowned sparrows to playback of song phrases: Implications for the ontogeny of song recognition. *Condor*, **104**, 848-854.
- Sorenson, M. D., Sefc, K. M. & Payne, R. B. (2003). Speciation by host switch in brood parasitic indigobirds. *Nature*, **424**, 928.
- Spencer, K. A., Buchanan, K. L., Goldsmith, A. R. & Catchpole, C. K. (2003). Song as an honest signal of developmental stress in the zebra finch (*Taeniopygia guttata*). *Horm. Behav.*, **44**, 132-139.
- Stripling, R., Milewski, L., Kruse, A. & Clayton, D. (2003). Rapidly learned song-discrimination without behavioral reinforcement in adult male zebra finches (*Taeniopygia guttata*). *Neurobiol. Learn. Mem.*, **79**, 41-50.
- Sturdy, C. B. (2004). A social call. *Nature*, **430**, 414.

- Sturdy, C. B., Wild, J. M. & Mooney, R. (2003). Respiratory and telencephalic modulation of vocal motor neurons in the zebra finch. *J. Neurosci.*, **23**, 1072-1086.
- Suthers, R. A. (2004). Vocal mechanisms in birds and bats: a comparative view. *An. Acad. Brasil. Cienc.*, **76**, 247-252.
- Suthers, R. A. & Margoliash, D. (2002). Motor control of birdsong. *Curr. Opin. Neurobiol.*, **12**, 684-690.
- Tchernichovski, O. & Mitra, P. P. (2002). Towards quantification of vocal imitation in the zebra finch. *J. Comp. Physiol., A.*, **188**, 867-878.
- Thomas, R. J. (2002). Seasonal changes in the nocturnal singing routines of common nightingales *Luscinia megarhynchos*. *Ibis*, **144**, E105-E112.
- Thomas, R. J., Cuthill, I. C., Goldsmith, A. R., Cosgrove, D. F., Lidgate, H. C. & Burdett Proctor, S. L. (2003). The trade-off between singing and mass gain in a daytime-singing bird, the European robin. *Behaviour*, **140**, 387-404.
- Thomas, R. J., Drewitt, E. J. A., Kelly, D. J., Marples, N. M. & Semple, S. (2003). Nocturnal playbacks reveal hidden differences in singing behaviour between populations of robin *Erithacus rubecula*. *Bird Study*, **50**, 84-87.
- Tobias, J. A. & Seddon, N. (2002). Female begging in European robins: do neighbors eavesdrop for extrapair copulations? *Behav. Ecol.*, **13**, 637-642.
- Todt, D. (2004). From birdsong to speech: a plea for comparative approaches. *An. Acad. Brasil. Cienc.*, **76**, 201-208.
- Todt, D. & Geberzahn, N. (2003). Age-dependent effects of song exposure: song crystallization sets a boundary between fast and delayed vocal imitation. *Anim. Behav.*, **65**, 971-979.
- Trainer, J. M. & Parsons, R. J. (2001). Uniformity of long-tailed manakin songs from three localities in Costa Rica. *Wilson Bull.*, **113**, 431-434.
- Trainer, J. M. & Parsons, R. J. (2002). Delayed vocal maturation in polygynous yellow-rumped caciques. *Wilson Bull.*, **114**, 249-254.
- Turcotte, Y. & Desrochers, A. (2002). Playbacks of mobbing calls of black-capped chickadees help estimate the abundance of forest birds in winter. *J. Field Ornithol.*, **73**, 303-307.
- Vicario, D. S., Raksin, J. N., Naqvi, N. H., Thande, N. & Simpson, H. B. (2002). The relationship between perception and production in songbird vocal imitation: what learned calls can teach us. *J. Comp. Physiol., A.*, **188**, 897-908.
- Vielliard, J. (2002). The function of species-specific recognition in the acoustic communication signals system of birds: what it means and what it implies? *Bioacoustics*, **13**, 91.
- Vignal, C., Mathevon, N. & Mottin, S. (2004). Audience drives male songbird response to partner's voice. *Nature*, **430**, 448-451.
- Vogrin, M. (2002). Autumnal singing and territoriality in common redstart *Phoenicurus phoenicurus*. *Ornis Svec.*, **12**, 95-96.
- Wang, N., Hurley, P., Pytte, C. & Kirn, J. R. (2002). Vocal control neuron incorporation decreases with age in the adult zebra finch. *J. Neurosci.*, **22**, 10864-10870.
- Ward, S., Lampe, H. M. & Slater, P. J. B. (2004). Singing is not energetically demanding for pied flycatchers, *Ficedula hypoleuca*. *Behav. Ecol.*, **15**, 477-484.
- Ward, S., Speakman, J. R. & Slater, P. J. B. (2003). The energy cost of song in the canary, *Serinus canaria*.

*Anim. Behav.*, **66**, 893-902.

Warren, P. S. (2003). Winter dialects in the bronzed cowbird and their relationship to breeding-season dialects. *Anim. Behav.*, **65**, 1169-1178.

Weisman, R. G., Njegovan, M. G., Williams, M. T., Cohen, J. S. & Sturdy, C. B. (2004). A behavior analysis of absolute pitch: sex, experience, and species. *Behav. Processes*, **66**, 289-307.

West, M. J., King, A. P. & White, D. J. (2003). The case for developmental ecology. *Anim. Behav.*, **66**, 617-622.

Westcott, D. A. & Kroon, F. J. (2002). Geographic song variation and its consequences in the golden bowerbird. *Condor*, **104**, 750-760.

Whaling, C. (2000). What's behind a song? The neural basis of song learning in birds. In *The Origins of Music* (N. L. Wallin, B. Merker and S. Brown, eds.). The MIT Press; Cambridge, Mass., pp. 65-76.

White, D. J., King, A. P. & West, M. J. (2002). Facultative development of courtship and communication in juvenile male cowbirds (*Molothrus ater*). *Behav. Ecol.*, **13**, 487-496.

Whitney, O., Soderstrom, K. & Johnson, F. (2003). CB1 cannabinoid receptor activation inhibits a neural correlate of song recognition in an auditory/perceptual region of the zebra finch telencephalon. *J. Neurobiol.*, **56**, 266-274.

Wiebe, M. O. & Lein, M. R. (2003). Response of male mountain chickadees, *Poecile gambeli*, to playback of different song types. *Can. Field-Nat.*, **117**, 76-81.

Wilbrecht, L., Petersen, T. & Nottebohm, F. (2002). Bilateral LMAN lesions cancel differences in HVC neuronal recruitment induced by unilateral syringeal denervation. *J. Comp. Physiol., A.*, **188**, 909-915.

Wisniewski, A. B. & Hulse, S. H. (1997). Auditory scene analysis in European starlings (*Sturnus vulgaris*): Discrimination of starling song segments, their segregation from conspecific song, and evidence for conspecific song categorization. *J. Comp. Psychol.*, **111**, 337-350.

Woolley, S. M. N. & Rubel, E. W. (2002). Vocal memory and learning in adult Bengalese finches with regenerated hair cells. *J. Neurosci.*, **22**, 7774-7787.

Zollinger, S. A. & Suthers, R. A. (2004). Motor mechanisms of a vocal mimic: implications for birdsong production. *Proc. R. Soc. Lond., B.*, **271**, 483-491.

## Non-primate mammals

Abgrall, P., Terhune, J. M. & Burton, H. R. (2003). Variation of Weddell seal (*Leptonychotes weddellii*) underwater vocalizations over mesogeographic ranges. *Aquat. Mamm.*, **29**, 268-277.

Altes, R. A., Dankiewicz, L. A., Moore, P. W. & Helweg, D. A. (2003). Multiecho processing by an echolocating dolphin. *J. Acoust. Soc. Am.*, **114**, 1155-1166.

Arnold, A. P. (2003). The gender of the voice within: the neural origin of sex differences in the brain. *Curr. Opin. Neurobiol.*, **13**, 759-764.

Arraut, E. M. & Vielliard, J. M. E. (2004). The song of the Brazilian population of humpback whale *Megaptera novaeangliae*, in the year 2000: individual song variations and possible implications. *An. Acad. Bras. Cienc.*, **76**, 373-380.

Au, W. W. L. & Benoit-Bird, K. J. (2003). Automatic gain control in the echolocation system of dolphins. *Nature*, **19**, 861.

Au, W. W. L. & Wursig, B. (2004). Echolocation signals of dusky dolphins (*Lagenorhynchus obscurus*) in Kaikoura, New Zealand. *J. Acoust. Soc. Am.*, **115**, 2307-2313.

- Au, W. W. L., Ford, J. K. B., Horne, J. K. & Alman, K. A. N. (2004). Echolocation signals of free-ranging killer whales (*Orcinus orca*) and modeling of foraging for chinook salmon (*Oncorhynchus tshawytscha*). *J. Acoust. Soc. Am.*, **115**, 901-909.
- Au, W. W. L., Pack, A. A., Lammers, M. O., Herman, L., Andrews, K. & Deakos, M. (2003). The acoustic field of singing humpback whales in the vertical plane. *J. Acoust. Soc. Am.*, **113**, 2277.
- Baack, J. K. & Switzer, P. V. (2000). Alarm calls affect foraging behavior in eastern chipmunks (*Tamias striatus*, Rodentia: Sciuridae). *Ethology*, **106**, 1057-1066.
- Barlow, J. & Cameron, G. A. (2003). Field experiments show that acoustic pingers reduce marine mammal bycatch in the California drift gill net fishery. *Mar. Mamm. Sci.*, **19**, 265-283.
- Bazua-Duran, C. (2004). Differences in the whistle characteristics and repertoire of bottlenose and spinner dolphins. *An. Acad. Bras. Cienc.*, **76**, 386-392.
- Behr, O. & von Helversen, O. (2004). Bat serenades - complex courtship songs of the sac-winged bat (*Saccopteryx bilineata*). *Behav. Ecol. Sociobiol.*, **56**, 106-115.
- Benoit-Bird, K. J., Wuersig, B. & McFadden, C. J. (2004). Dusky dolphin (*Lagenorhynchus obscurus*) foraging in two different habitats: Active acoustic detection of dolphins and their prey. *Mar. Mamm. Sci.*, **20**, 215-231.
- Blackwell, S. B., Lawson, J. W. & Williams, M. T. (2004). Tolerance by ringed seals (*Phoca hispida*) to impact pipe-driving and construction sounds at an oil production island. *J. Acoust. Soc. Am.*, **115**, 2346-2357.
- Blumstein, D. T., Verneyre, L. & Daniel, J. C. (2004). Reliability and the adaptive utility of discrimination among alarm callers. *Proc. R. Soc. Lond., B.*, **271**, 1851-1857.
- Branstetter, B. K., Mevissen, S. J., Herman, L. M., Pack, A. A. & Roberts, S. P. (2003). Horizontal angular discrimination by an echolocating bottlenose dolphin (*Tursiops truncatus*). *Bioacoustics*, **14**, 15-34.
- Broders, H. G., Findlay, C. S. & Zheng, L. (2004). Effects of clutter on echolocation call structure of *Myotis septentrionalis* and *M. lucifugus*. *J. Mammal.*, **85**, 273-281.
- Chappell, O., Leaper, R. & Gordon, J. (1996). Development and performance of an automated harbour porpoise click detector. *Rep. Int. Whal. Comm.*, **46**, 587-594.
- Charrier, I., Mathevon, N. & Jouventin, P. (2003). Vocal signature recognition of mothers by fur seal pups. *Anim. Behav.*, **65**, 543-550.
- Clark, C. W. & Clapham, P. J. (2004). Acoustic monitoring on a humpback whale (*Megaptera novaeangliae*) feeding ground shows continual singing into late spring. *Proc. R. Soc. Lond., B.*, **271**, 1051-1057.
- Cook, M. L. H., Sayigh, L. S., Blum, J. E. & Wells, R. S. (2004). Signature-whistle production in undisturbed free-ranging bottlenose dolphins (*Tursiops truncatus*). *Proc. R. Soc. Lond., B.*, **271**, 1043-1049.
- Darden, S. K., Dabelsteen, T. & Pedersen, S. B. (2003). A potential tool for swift fox (*Vulpes velox*) conservation: Individuality of long-range barking sequences. *J. Mammal.*, **84**, 1417-1427.
- Darden, S. K., Pedersen, S. B. & Dabelsteen, T. (2003). Methods of frequency analysis of a complex mammalian vocalisation. *Bioacoustics*, **13**, 247-263.
- Davidson, S. M. & Wilkinson, G. S. (2002). Geographic and individual variation in vocalizations by male *Saccopteryx bilineata* (Chiroptera: Emballonuridae). *J. Mammal.*, **83**, 526-535.
- Davidson, S. M. & Wilkinson, G. S. (2004). Function of male song in the greater white-lined bat, *Saccopteryx bilineata*. *Anim. Behav.*, **67**, 883-891.

- Dawson, S. M. & Thorpe, C. W. (1990). A quantitative analysis of the sounds of Hector's dolphin. *Ethology*, **86**, 131-145.
- Deecke, V. B., Slater, P. J. B. & Ford, J. K. B. (2002). Selective habituation shapes acoustic predator recognition in harbour seals. *Nature*, **420**, 171-173.
- Dobson, F. S. & Jouventin, P. (2002). How mothers find their pups in a colony of Antarctic fur seals. *Behav. Processes*, **61**, 77-85.
- Eiler, K. C. & Banak, S. A. (2004). Variability in the alarm call of golden-mantled ground squirrels (*Spermophilus lateralis* and *S. saturatus*). *J. Mammal.*, **85**, 43-50.
- Erbe, C. (2002). Underwater noise of whale-watching boats and its effects on killer whales (*Orcinus orca*). *Mar. Mamm. Sci.*, **18**, 394-418.
- Erbe, C. & Farmer, D. M. (1998). Masked hearing thresholds of a beluga whale (*Delphinapterus leucas*) in icebreaker noise. *Deep-Sea Research II*, **45**, 1373-1388.
- Erber, C. & Simao, S. M. (2004). Analysis of whistles produced by the Tucuxi dolphin *Sotalia fluviatilis* from Sepetiba Bay, Brazil. *An. Acad. Bras. Cienc.*, **76**, 381-385.
- Facchini, A., Bastianoni, S., Marchettini, N. & Rustici, M. (2003). Characterization of chaotic dynamics in the vocalization of *Cervus elaphus corsicanus* (L.). *J. Acoust. Soc. Am.*, **114**, 3040-3043.
- Fenton, M. B. (2003). Eavesdropping on the echolocation and social calls of bats. *Mamm. Rev.*, **33**, 193-204.
- Finneran, J. J. (2003). Whole-lung resonance in a bottlenose dolphin (*Tursiops truncatus*) and white whale (*Delphinapterus leucas*). *J. Acoust. Soc. Am.*, **114**, 529-535.
- Finneran, J. J., Dear, R., Carder, D. A. & Ridgway, S. H. (2003). Auditory and behavioral responses of California sea lions (*Zalophus californianus*) to single underwater impulses from an arc-gap transducer. *J. Acoust. Soc. Am.*, **114**, 1667-1677.
- Finneran, J. J., Oliver, C. W., Schaefer, K. M. & Ridgway, S. H. (2000). Source levels and estimated yellowfin tuna (*Thunnus albacares*) detection ranges for dolphin jaw pops, breaches and tail slaps. *J. Acoust. Soc. Am.*, **107**, 649-656.
- Foote, A. D., Osborne, R. W. & Hoelzel, A. R. (2004). Whale-call response to masking boat noise. *Nature*, **428**, 910.
- Frankel, A. S. (2003). Humpback whale song: A new review. *J. Acoust. Soc. Am.*, **113**, 2275.
- Fristrup, K. M., Hatch, L. T. & Clark, C. W. (2003). Variation in humpback whale (*Megaptera novaeangliae*) song length in relation to low-frequency sound broadcasts. *J. Acoust. Soc. Am.*, **113**, 3411-3424.
- Frommolt, K.-H. (2002). Acoustic and temporal features of long distance wolf vocalisations and their possible consequences for signal transmission. *Bioacoustics*, **13**, 88.
- Frommolt, K.-H. & Gebler, A. (2004). Directionality of dog vocalizations. *J. Acoust. Soc. Am.*, **116**, 561-565.
- Frommolt, K.-H., Goltsman, M. E. & Macdonald, D. W. (2003). Barking foxes, *Alopex lagopus*: field experiments in individual recognition in a territorial mammal. *Anim. Behav.*, **65**, 509-518.
- Gillespie, D. (1997). An acoustic survey for sperm whales in the Southern Ocean Sanctuary conducted from the RV Aurora Australis. *Rep. Int. Whal. Commn.*, **47**, 897-907.
- Gillespie, D. & Chappell, O. (2002). An automatic system for detecting and classifying the vocalisations of harbour porpoises. *Bioacoustics*, **13**, 37-61.



- Goodson, A. D. (1997). A narrow band bio-sonar: Investigating echolocation in the harbour porpoise. *Proc. Inst. Acoust.*, **19**, 19-28.
- Goold, J. C. & Jefferson, T. A. (2004). A note on clicks recorded from free-ranging Indo-Pacific humpback dolphins, *Sousa chinensis*. *Aquatic Mamm.*, **30**, 175-178.
- Gourbal, B. E. F., Barthelemy, M., Petit, G. & Gabrion, C. (2004). Spectrographic analysis of the ultrasonic vocalisations of adult male and female BALB/c mice. *Naturwissenschaften*, **91**, 381-385.
- Greene, C. R., Jr., McLennan, M. W., Norman, R. G., McDonald, T. L., Jakubczak, R. S. & Richardson, W. J. (2004). Directional frequency and recording (DIFAR) sensors in seafloor recorders to locate calling bowhead whales during their fall migration. *J. Acoust. Soc. Am.*, **116**, 799-813.
- Greenfield, M. D. & Baker, M. (2003). Bat avoidance in non-aerial insects: The silence response of signaling males in an acoustic moth. *Ethology*, **109**, 427-442.
- Hare, J. F. & Atkins, B. A. (2001). The squirrel that cried wolf: reliability detection by juvenile Richardson's ground squirrels (*Spermophilus richardsonii*). *Behav. Ecol. Sociobiol.*, **51**, 108-112.
- Harley, H. E., Putman, E. A. & Roitblat, H. L. (2003). Bottlenose dolphins perceive object features through echolocation. *Nature*, **424**, 667.
- Hayes, S. A., Costa, D. P., Harvey, J. T. & Le Boeuf, B. J. (2004). Aquatic mating strategies of the male pacific harbor seal (*Phoca vitulina richardii*): Are males defending the hotspot? *Mar. Mamm. Sci.*, **20**, 639-656.
- Hayes, S. A., Kumar, A., Costa, D. P., Mellinger, D. K., Harvey, J. T., Southall, B. L. & Le Boeuf, B. J. (2004). Evaluating the function of the male harbour seal, *Phoca vitulina*, roar through playback experiments. *Anim. Behav.*, **67**, 1133-1139.
- Helweg, D. A. (2002). A computational model of humpback whale hearing. *Bioacoustics*, **13**, 85.
- Helweg, D. A. (2002). Automatic detection and species identification of blue and fin whale calls. *Bioacoustics*, **13**, 96.
- Hirtum, A. Van, Chedad, A., Aerts, J.-M., Berckmans, D., Gustin, P. & Moreaux, B. (2002). On-line cough recogniser system. *Bioacoustics*, **13**, 78.
- Holderied, M. W. & von Helversen, O. (2003). Echolocation range and wingbeat period match in aerial-hawking bats. *Proc. R. Soc. Lond., B.*, **270**, 2293-2299.
- Holt, M. M., Schusterman, R. J., Southall, B. L. & Kastak, D. (2004). Localization of aerial broadband noise by pinnipeds. *J. Acoust. Soc. Am.*, **115**, 2339-2345.
- Ibanez, C., Juste, J., Lopez-Wilchis, R. & Nunez-Garduno, A. (2004). Habitat variation and jamming avoidance in echolocation calls of the sac-winged bat (*Balantiopteryx plicata*). *J. Mammal.*, **85**, 38-42.
- Illmann, G., Schrader, L., Spinka, M. & Sustr, P. (2002). Acoustical mother-offspring recognition in pigs (*Sus scrofa domestica*). *Behaviour*, **139**, 487-505.
- Illmann, G., Spinka, M. & De Jonge, F. (2001). Vocalizations around the time of milk ejection in domestic piglets: a reliable indicator of their condition? *Behaviour*, **138**, 431-451.
- Jones, G., Barabas, A., Elliott, W. & Parsons, S. (2002). Female greater wax moths reduce sexual display behavior in relation to the potential risk of predation by echolocating bats. *Behav. Ecol.*, **13**, 375-380.
- Kapusta, J. & Szentgyorgyi, H. (2004). Ultrasonic responses of CBA pups to the odour of genetically different mice. *Behaviour*, **141**, 157-167.
- Kazial, K. A. & Masters, W. M. (2004). Female big brown bats, *Eptesicus fuscus*, recognize sex from a caller's echolocation signals. *Anim. Behav.*, **67**, 855-863.

- Keeley, A. T. H. & Keeley, B. W. (2004). The mating system of *Tadarida brasiliensis* (Chiroptera: Molossidae) in a large highway bridge colony. *J. Mammal.*, **85**, 113-119.
- Kingston, T. & Rossiter, S. J. (2004). Harmonic-hopping in Wallace's bats. *Nature*, **429**, 654-657.
- Koschinski, S., Culik, B. M., Henriksen, O. D., Tregenza, N., Ellis, G., Jansen, C. & Kathe, G. (2004). Behavioural reactions of free-ranging porpoises and seals to the noise of a simulated 2 MW windpower generator. *Mar. Ecol. Progr. Series*, **265**, 263-273.
- Lammers, M. O. & Au, W. W. (2003). Directionality in the whistles of Hawaiian spinner dolphins (*Stenella longirostris*): A signal feature to cue direction of movement? *Mar. Mamm. Sci.*, **19**, 249-264.
- Lammers, M. O., Au, W. W. L. & Herzing, D. L. (2003). The broadband social acoustic signaling behavior of spinner and spotted dolphins. *J. Acoust. Soc. Am.*, **114**, 1629-1639.
- Laurinolli, M. H., Hay, A. E., Desharnais, F. & Taggart, C. T. (2003). Localization of North Atlantic right whale sounds in the Bay of Fundy using a sonobuoy array. *Mar. Mamm. Sci.*, **19**, 709-723.
- LePage, E. L. (2003). The mammalian cochlear map is optimally warped. *J. Acoust. Soc. Am.*, **114**, 896-906.
- Leeper, R. & Scheidat, M. (1998). An acoustic survey for cetaceans in the Southern Ocean Sanctuary conducted from the German Government research vessel Polarstern. *Rep. Int. Whal. Commn.*, **48**, 431-437.
- Leippert, D., Frank, E., Gabriel, P., Kutter, S., Scheidemann, K. D., von Stillfried, N. & Weller, F. (2002). Prey-correlated spectral changes in echolocation sounds of the Indian false vampire *Megaderma lyra*. *Ethology*, **108**, 139-156.
- Leong, K. M., Ortolani, A., Burks, K. D., Mellen, J. D. & Savage, A. (2003). Quantifying acoustic and temporal characteristics of vocalizations for a group of captive African elephants *Loxodonta africana*. *Bioacoustics*, **13**, 213-231.
- Li, C.-W., Jiang, Z.-G. & Zeng, Y. (2001). Bellowing, rank-class and mating success in Pere David's deer stags. *Zool. Res.*, **22**, 454-460.
- Ligout, S., Sebe, F. & Porter, P. H. (2004). Vocal discrimination of kin and non-kinagemates among lambs. *Behaviour*, **141**, 355-369.
- Liu, R. C., Miller, K. D., Merzenich, M. M. & Schreiner, C. E. (2003). Acoustic variability and distinguishability among mouse ultrasound vocalizations. *J. Acoust. Soc. Am.*, **114**, 3412-3422.
- Ljungblad, D., Clark, C. & Shimada, H. (1998). A comparison of sounds attributed to pygmy blue whales (*Balaenoptera musculus brevicauda*) recorded south of the Madagascar Plateau and those attributed to 'true' blue whales (*Balaenoptera musculus*) recorded off Antarctica. *Rep. Int. Whal. Commn.*, **48**, 439-442.
- Macias, S. & Mora, E. C. (2003). Variation in echolocation calls of *Pteronotus quadridens* (Chiroptera: Mormoopidae) in Cuba. *J. Mammal.*, **84**, 1428-1436.
- Madsen, P. T., Carder, D. A., Au, W. W. L., Nachtigall, P. E., Møhl, B. & Ridgway, S. H. (2003). Sound production in neonate sperm whales. *J. Acoust. Soc. Am.*, **113**, 2988-2991.
- Madsen, P. T., Kerr, I. & Payne, R. (2004). Echolocation clicks of two free-ranging, oceanic delphinids with different food preferences: false killer whales *Pseudorca crassidens* and Risso's dolphins *Grampus griseus*. *J. Exp. Biol.*, **207**, 1811-1823.
- Madsen, P., Wahlberg, M. & Møhl, B. (2002). Male sperm whale (*Physeter macrocephalus*) acoustics in a high-latitude habitat: implications for echolocation and communication. *Behav. Ecol. Sociobiol.*, **53**, 31-41.
- Maes, J. H. R. & de Groot, G. (2003). Effects of noise on the performance of rats in an operant discrimination task. *Behav. Processes*, **61**, 57-68.

- Mandelli, M.-J. & Sales, G. (2004). Ultrasonic vocalizations of infant short-tailed field voles, *Microtus agrestis*. *J. Mammal.*, **85**, 282-289.
- Marchant-Forde, J. N., Marchant-Forde, R. M. & Weary, D. M. (2002). Responses of dairy cows and calves to each other's vocalisations after early separation. *Appl. Anim. Behav. Sci.*, **78**, 19-28.
- Mathevon, N., Charrier, I. & Aubin, T. (2004). A memory like a female fur seal: long-lasting recognition of pup's voice by mothers. *An. Acad. Brasil. Cienc.*, **76**, 237-241.
- Matthews, J. N., Brown, S., Gillespie, D., Johnson, M., McLanaghan, R., Moscrop, A., Nowacek, D., Leaper, R., Lewis, T. & Tyack, P. (2001). Vocalisation rates of the North Atlantic right whale. *J. Cetac. Res. Manage.*, **3**, 271-282.
- McComb, K., Reby, D., Baker, L., Moss, C. & Sayialel, S. (2003). Long-distance communication of acoustic cues to social identity in African elephants. *Anim. Behav.*, **65**, 317-329.
- McDonald, M. A. & Moore, S. E. (2002). Calls recorded from North Pacific right whales (*Eubalaena japonica*) in the eastern Bering Sea. *J. Cetac. Res. Manage.*, **4**, 261-266.
- Mellinger, D. K. & Clark, C. W. (2003). Blue whale (*Balenoptera musculus*) sounds from the North Atlantic. *J. Acoust. Soc. Am.*, **114**, 1108-1119.
- Mellinger, D. K., Stafford, K. M. & Fox, C. G. (2004). Seasonal occurrence of sperm whale (*Physeter macrocephalus*) sounds in the gulf of Alaska, 1999-2001. *Mar. Mamm. Sci.*, **20**, 48-62.
- Miller, L. A. & Helweg, D. A. (2002). Bats, humans and neural networks discriminate amplitude-modulated FM echoes. *Bioacoustics*, **13**, 86.
- Miller, P. J. O., Shapiro, A. D., Tyack, P. L. & Solow, A. R. (2004). Call-type matching in vocal exchanges of free-ranging resident killer whales, *Orcinus orca*. *Anim. Behav.*, **67**, 1099-1107.
- Mitchell, B. R. (2004). *Coyote vocal communication and its application to the selective management of problem individuals*. Ph. D. dissertation. University of Vermont.
- Moles, A. & D'Amato, F. R. (2002). Ultrasound emission in social communication about food in female mice. *Bioacoustics*, **13**, 93.
- Monticelli, P. F., Tokumaru, R. S. & Ades, C. (2004). Isolation induced changes in guinea pig *Cavia porcellus* pup distress whistles. *An. Acad. Bras. Cienc.*, **76**, 368-372.
- Moors, H. B. & Terhune, J. M. (2003). Repetition patterns within harp seal (*Pagophilus groenlandicus*) underwater calls. *Aquat. Mamm.*, **29**, 278-288.
- Moors, H. B. & Terhune, J. M. (2004). Repetition patterns in Weddell seal (*Leptonychotes weddellii*) underwater multiple element calls. *J. Acoust. Soc. Am.*, **116**, 1261-1270.
- Moshou, D., Chedad, A., Van Hirtum, A., Aerts, J.-M., Berckmans, D. & Ramon, H. (2002). Cough neural recognition system. *Bioacoustics*, **13**, 98-99.
- Moss, C. F. & Sinha, S. R. (2003). Neurobiology of echolocation in bats. *Curr. Opin. Neurobiol.*, **13**, 751-758.
- Møhl, B., Wahlberg, M., Madsen, P. T., Heerfordt, A. & Lund, A. (2003). The monopulsed nature of sperm whale clicks. *J. Acoust. Soc. Am.*, **114**, 1143-1154.
- Nachtigall, P. E., Pawloski, J. L. & Au, W. W. L. (2003). Temporary threshold shifts and recovery following noise exposure in the Atlantic bottlenosed dolphin (*Tursiops truncatus*). *J. Acoust. Soc. Am.*, **113**, 3425, 3429.
- National Research Council of the National Academies (2003). *Ocean Noise and Marine Mammals*. The National

Academies Press; Washington, D. C.

Newman, J. D. (2003). Vocal communication and the triune brain. *Physiol. Behav.*, **79**, 495-502.

Nicastro, N. & Owren, M. J. (2003). Classification of domestic cat (*Felis catus*) vocalizations by naive and experienced human listeners. *J. Comp. Psychol.*, **117**, 44-52.

Nieukirk, S. L., Stafford, K. M., Mellinger, D. K., Dziak, R. P. & Fox, C. G. (2004). Low-frequency whale and seismic airgun sounds recorded in the mid-Atlantic Ocean. *J. Acoust. Soc. Am.*, **115**, 1832-1843.

Niezrecki, C., Phillips, R., Meyer, M. & Beusse, D. O. (2003). Acoustic detection of manatee vocalizations. *J. Acoust. Soc. Am.*, **114**, 1640-1647.

Nowacek, D. P., Casper, B. M., Wells, R. S., Nowacek, S. M. & Mann, D. A. (2003). Intraspecific and geographic variation of West Indian manatee (*Trichechus manatus* spp.) vocalizations. *J. Acoust. Soc. Am.*, **114**, 66-69.

Nummela, S., Thewissen, J. G. M., Bajpai, S., Hussain, S. T. & Kumar, K. (2004). Eocene evolution of whale hearing. *Nature*, **430**, 776-778.

Oleson, E. M., Barlow, J., Gordon, J., Rankin, S. & Hildebrand, J. A. (2003). Low frequency calls of Bryde's whales. *Mar. Mamm. Sci.*, **19**, 406.

Pack, A. A., Herman, L. M., Hoffmann-Kuhnt, M. & Branstetter, B. K. (2002). The object behind the echo: dolphins (*Tursiops truncatus*) perceive object shape globally through echolocation. *Behav. Processes*, **58**, 1-26.

Page, B., Goldsworthy, S. D. & Hindell, M. A. (2002). Individual vocal traits of mother and pup fur seals. *Bioacoustics*, **13**, 121-143.

Parijs, S. M. van & Corkeron, P. J. (2002). Ontogeny of vocalisations in infant black flying foxes, *Pteropus alecto*. *Behaviour*, **139**, 1111-1124.

Parijs, S. M. van & Kovacs, K. M. (2002). In-air and underwater vocalizations of eastern Canadian harbour seals, *Phoca vitulina*. *Can. J. Zool.*, **80**, 1173-1179.

Parijs, S. M. van, Corkeron, P. J., Harvey, J., Hayes, S. A., Mellinger, D. K., Rouget, P. A., Thompson, P. M., Wahlberg, M. & Kovacs, K. M. (2003). Patterns in the vocalizations of male harbor seals. *J. Acoust. Soc. Am.*, **113**, 3403-3410.

Parijs, S. M. van, Leyssen, T. & Simila, T. (2004). Sounds produced by Norwegian killer whales, *Orcinus orca*, during capture. *J. Acoust. Soc. Am.*, **116**, 557-560.

Parijs, S. M. van, Lydersen, C. & Kovacs, K. M. (2003). Vocalizations and movements suggest alternative mating tactics in male bearded seals. *Anim. Behav.*, **65**, 273-283.

Parijs, S. M. van, Lydersen, C. & Kovacs, K. M. (2004). Effects of ice cover on the behavioural patterns of aquatic-mating male bearded seals. *Anim. Behav.*, **68**, 89-96.

Parks, S. E. (2003). Response of North Atlantic right whales (*Eubalaena glacialis*) to playback of calls recorded from surface active groups in both the North and South Atlantic. *Mar. Mamm. Sci.*, **19**, 563.

Pavey, C. R., Grunwald, J.-E. & Neuweiler, G. (2001). Foraging habitat and echolocation behaviour of Schneider's leafnosed bat, *Hipposideros speoris*, in a vegetation mosaic in Sri Lanka. *Behav. Ecol. Sociobiol.*, **50**, 209-218.

Payne, K. (2000). The progressively changing songs of humpback whales: A window on the creative process in a wild animal. In *The Origins of Music* (N. L. Wallin, B. Merker and S. Brown, eds.). The MIT Press; Cambridge, Mass., pp. 135-150.

- Payne, K. B., Thompson, M. & Kramer, L. (2003). Elephant calling patterns as indicators of group size and composition: The basis for an acoustic monitoring system. *Afr. J. Ecol.*, **41**, 99-107.
- Pepin, D., Cargnelutti, B., Gonzalez, G., Joachim, J. & Reby, D. (2001). Diurnal and seasonal variations of roaring activity of farmed red deer stags. *Appl. Anim. Behav. Sci.*, **74**, 233-239.
- Perla, B. S. & Slobodchikoff, C. N. (2002). Habitat structure and alarm call dialects in Gunnison's prairie dog (*Cynomys gunnisoni*). *Behav. Ecol.*, **13**, 844-850.
- Peters, G. (2002). Purring and similar vocalizations in mammals. *Mamm. Rev.*, **32**, 245-271.
- Peters, G., East, M. L., Herzel, H., Henschel, J. R., Gus, M., Mills, L., Wilhem, K. & Hofer, H. (2004). Spotted hyaena whoops: Frequent incidence of vocal instabilities in a mammalian loud call. *Bioacoustics*, **14**, 99-109.
- Phillips, A. V. (2003). Behavioral cues used in reunions between mother and pup South American fur seals (*Arctocephalus australis*). *J. Mammal.*, **84**, 524-535.
- Phillips, A. V. & Stirling, I. (2001). Vocal repertoire of South American fur seals, *Arctocephalus australis*: structure, function, and context. *Can. J. Zool.*, **79**, 420-437.
- Phillips, R., Niezrecki, C. & Beusse, D. O. (2004). Determination of West Indian manatee vocalization levels and rate. *J. Acoust. Soc. Am.*, **115**, 422-428.
- Placer, J. & Slobodchikoff, C. N. (2004). A method for identifying sounds used in the classification of alarm calls. *Behav. Processes*, **67**, 87-98.
- Podos, J., da Silva, V. M. F. & Rossi-Santos, M. R. (2002). Vocalizations of Amazon River dolphins, *Inia geoffrensis*: Insights into the evolutionary origins of delphinid whistles. *Ethology*, **108**, 601-612.
- Portfors, C. V. (2004). Combination sensitivity and processing of communication calls in the inferior colliculus of the moustached bat *Pteronotus parnellii*. *An. Acad. Brasil. Cienc.*, **76**, 253-257.
- Randall, J. A. & Rogovin, K. A. (2002). Variation in and meaning of alarm calls in a social desert rodent *Rhombomys opimus*. *Ethology*, **108**, 513-527.
- Reby, D. & McComb, K. (2003). Anatomical constraints generate honesty: acoustic cues to age and weight in the roars of red deer stags. *Anim. Behav.*, **65**, 519-530.
- Rendell, L. & Whitehead, H. (2004). Do sperm whales share coda vocalizations? Insights into coda usage from acoustic size measurement. *Anim. Behav.*, **67**, 855-863.
- Rendell, L. E. & Whitehead, H. (2003). Vocal clans in sperm whales (*Physeter macrocephalus*). *Proc. R. Soc. Lond., B.*, **270**, 225-231.
- Rendell, L. E. & Whitehead, H. (2003). Comparing repertoires of sperm whale codas: A multiple methods approach. *Bioacoustics*, **14**, 61-81.
- Riede, T., Tembrock, G., Herzel, H. & Brunnerberg, L. (2002). The harmonics to noise ratio applied to dog barks. *Bioacoustics*, **13**, 79.
- Rinelander, M. Q. & Dawson, S. M. (2004). Measuring sperm whales from their clicks: Stability of interpulse intervals and validation that they indicate whale length. *J. Acoust. Soc. Am.*, **115**, 1826-1831.
- Robbins, R. L. & McCreery, E. K. (2003). African wild dog pup vocalizations with special reference to Morton's model. *Behaviour*, **140**, 333-351.
- Rogers, T. L. (2003). Factors influencing the acoustic behaviour of male phocid seals. *Aquat. Mamm.*, **29**, 247-260.

- Rogers, T. L. & Cato, D. H. (2002). Individual variation in the acoustic behaviour of the adult male leopard seal, *Hydrurga leptonyx*. *Behaviour*, **139**, 1267-1286.
- Roux, A. Le, Jackson, T. P. & Cherry, M. I. (2001). The effect of changing call duration and calling bouts on vigilance in Brants' whistling rat, *Parotomys brantsii*. *Behaviour*, **138**, 1287-1302.
- Russ, J. M., Jones, G., Mickie, I. J. & Racey, P. A. (2004). Interspecific responses to distress calls in bats (Chiroptera: Vespertilionidae): a function for convergence in call design? *Anim. Behav.*, **67**, 1005-1014.
- Ryabov, V. A. & Zaslavsky, G. L. (2002). Monaural hearing of a bottlenosed dolphin. *Bioacoustics*, **13**, 100.
- Sanvito, S. & Galimberti, F. (2003). Source level of male vocalizations in the genus *Mirounga*: repeatability and correlates. *Bioacoustics*, **14**, 47-59.
- Schleich, C. & Busch, C. (2002). Acoustic signals of a solitary subterranean rodent *Ctenomys talarum* (Rodentia: Ctenomyidae): Physical characteristics and behavioural correlates. *J. Ethology*, **20**, 123-131.
- Schleich, C. E. & Busch, C. (2004). Functional morphology of the middle ear of *Ctenomys talarum* (Rodentia: Octodontidae). *J. Mammal.*, **85**, 290-295.
- Schon, P.-C., Puppe, B., Gromyko, T. & Manteuffel, G. (1999). Common features and individual differences in nurse grunting of domestic pigs (*Sus scrofa*): a multiparametric analysis. *Behaviour*, **136**, 49-66.
- Searby, A. & Jouventin, P. (2003). Mother-lamb acoustic recognition in sheep: a frequency coding. *Proc. R. Soc. Lond., B.*, **270**, 1765-1771.
- Serrano, A. & Terhune, J. M. (2002). Stability of the underwater vocal repertoire of harp seals (*Pagophilus groenlandicus*). *Aquat. Mamm.*, **28**, 93-101.
- Serrano, A. & Terhune, J. M. (2003). Antimasking aspects of harp seal (*Pagophilus groenlandicus*) underwater vocalizations. *J. Acoust. Soc. Am.*, **113**, 3083-3090.
- Siemers, B. M. & Schnitzler, H.-U. (2004). Echolocation signals reflect niche differentiation in five sympatric congeneric bat species. *Nature*, **429**, 657-661.
- Siemers, B. M., Kalko, E. K. & Schnitzler, H.-U. (2001). Echolocation behavior and signal plasticity in the Neotropical bat *Myotis nigricans* (Schinz, 1821)(Vespertilionidae): a convergent case with European species of *Pipistrellus*. *Behav. Ecol. Sociobiol.*, **50**, 317-328.
- Sloan, J. L. & Hare, J. F. (2004). Monotony and the information content of Richardson's ground squirrel (*Spermophilus richardsonii*) repeated calls: Tonic communication or signal certainty? *Ethology*, **110**, 147-156.
- Smotherman, M., Zhang, S. & Metzner, W. (2003). A neural basis for auditory feedback control of vocal pitch. *J. Neurosci.*, **23**, 1464-1477.
- Sousa Lima, R. S., Paglia, A. P. & Fonseca, G. A. B. (2002). Individual distinct vocalisations in Amazonian manatees *Trichechus inunguis*. *Bioacoustics*, **13**, 90-91.
- Southall, B. L., Schusterman, R. J. & Kastak, D. (2003). Auditory masking in three pinnipeds: Aerial critical ratios and direct critical bandwidth measurements. *J. Acoust. Soc. Am.*, **114**, 1660-1666.
- Speakman, J. R. (2001). The evolution of flight and echolocation in bats: another leap in the dark. *Mamm. Rev.*, **31**, 111-130.
- Specht, R. (2004). Compact and user-friendly ultrasound acquisition systems optimized for field recording. *An. Acad. Brasil. Cienc.*, **76**, 452-454.
- Spinka, M., Stehulova, I., Zacharova, J., Maletinska, J. & Illmann, G. (2002). Nursing behaviour and nursing vocalisations in domestic sows: repeatability and relationship with maternal investment. *Behaviour*, **139**, 1077-1097.

- Stafford, K. M. (2003). Two types of blue whale calls recorded in the gulf of Alaska. *Mar. Mamm. Sci.*, **19**, 682-693.
- Stirling, I. & Thomas, J. A. (2003). Relationships between underwater vocalizations and mating systems in phocid seals. *Aquat. Mamm.*, **29**, 227-246.
- Supin, A. Ya., Nachtigall, P. E., Au, W. W. L. & Breese, M. (2004). The interaction of outgoing echolocation pulses and echoes in the false killer whale's auditory system: Evoked-potential study. *J. Acoust. Soc. Am.*, **115**, 3218-3225.
- Supin, A. Ya., Nachtigall, P. E., Pawloski, J. & Au, W. W. L. (2003). Evoked potential recording during echolocation in a false killer whale *Pseudorca crassidens*. *J. Acoust. Soc. Am.*, **113**, 2408-2411.
- Suthers, R. A. (2004). Vocal mechanisms in birds and bats: a comparative view. *An. Acad. Brasil. Cienc.*, **76**, 247-252.
- Swaigood, R. R., Rowe, M. P. & Owings, D. H. (2003). Antipredator responses of California ground squirrels to rattlesnakes and rattling sounds: the roles of sex, reproductive parity, and offspring age in assessment and decision-making rules. *Behav. Ecol. Sociobiol.*, **55**, 22-31. (+ erratum, **55**, 410-413).
- Swartz, S. L., Cole, T., McDonald, M. A., Hildebrand, J. A., Oleson, E. M., Martinez, A., Clapham, P. J., Barlow, J. & Jones, M. L. (2003). Acoustic and visual survey of humpback whale (*Megaptera novaeangliae*) distribution in the eastern and southeastern Caribbean Sea. *Carib. J. Sci.*, **39**, 195-208.
- Ulanovsky, N., Fenton, M. B., Tsoar, A. & Korine, C. (2004). Dynamics of jamming avoidance in echolocating bats. *Proc. R. Soc. Lond., B.*, **271**, 1467-1475.
- Vieira, M. L. & Brown, R. E. (2002). Ultrasonic vocalizations and ontogenetic development in California mice (*Peromyscus californicus*). *Behav. Processes*, **59**, 147-156.
- Volodin, I. A. & Volodina, E. V. (2002). Biphonation as a prominent feature of dhole *Cuon alpinus* sounds. *Bioacoustics*, **13**, 105-120.
- Warkentin, K. J., Keeley, A. T. H. & Hare, J. F. (2001). Repetitive calls of juvenile Richardson's ground squirrels (*Spermophilus richardsonii*) communicate response urgency. *Can. J. Zool.*, **79**, 569-573.
- Watwood, S. L., Tyack, P. L. & Wells, R. S. (2004). Whistle sharing in paired male bottlenose dolphins, *Tursiops truncatus*. *Behav. Ecol. Sociobiol.*, **55**, 531-543.
- Weisman, R. G., Njegovan, M. G., Williams, M. T., Cohen, J. S. & Sturdy, C. B. (2004). A behavior analysis of absolute pitch: sex, experience, and species. *Behav. Processes*, **66**, 289-307.
- Whitehead, H. & Rendell, L. (2004). Movements, habitat use and feeding success of cultural clans of South Pacific sperm whales. *J. Anim. Ecol.*, **73**, 190-196.
- Wilson, D. R. & Hare, J. F. (2003). Richardson's ground squirrels (*Spermophilus richardsonii*) do not communicate predator movements via changes in call rate. *Can. J. Zool.*, **81**, 2026-2031.
- Wilson, D. R. & Hare, J. F. (2004). Ground squirrel uses ultrasonic alarms. *Nature*, **430**, 523.
- Wright, S. L. & Brown, R. E. (2004). Sex differences in ultrasonic vocalizations and coordinated movement in the California mouse (*Peromyscus californicus*). *Behav. Processes*, **65**, 155-162.
- Yin, S. & McCowan, B. (2004). Barking in domestic dogs: context specificity and individual recognition. *Anim. Behav.*, **68**, 343-355.
- Yurk, H., Barrett-Lennard, L., Ford, J. K. B. & Matkin, C. O. (2002). Cultural transmission within maternal lineages: vocal clans in resident killer whales in southern Alaska. *Anim. Behav.*, **63**, 1103-1119.

## Non-humans primates

Ambrose, L. (2003). Three acoustic forms of Allen's galagos (Primates; Galagonidae) in the Central African region. *Primates*, **44**, 25-39.

Becker, M., Buder, E., Bakeman, R., Price, M. & Ward, J. (2003). Infant response to mother call patterns in *Otolemur garnettii*. *Folia Primatol.*, **74**, 301-311.

Birke, L. (2002). Effects of browse, human visitors and noise on the behaviour of captive orang utans. *Anim. Welfare*, **11**, 189-202.

Bitetti, M. S. Di (2003). Food-associated calls of tufted capuchin monkeys (*Cebus apella nigrinus*) are functionally referential signals. *Behaviour*, **140**, 565-592.

Brumm, H., Voss, I., Koelmer, I. & Todt, D. (2004). Acoustic communication in noise: Regulation of call characteristics in a New World monkey. *J. Exp. Biol.*, **207**, 443-448.

Casamitjana, J. (2002). The vocal repertoire of the woolly monkey *Lagothrix lagothricha*. *Bioacoustics*, **13**, 1-19.

Crockford, C. & Boesch, C. (2003). Context-specific calls in wild chimpanzees, *Pan troglodytes verus*: analysis of barks. *Anim. Behav.*, **66**, 115-125.

Crockford, C., Herbinger, I., Vigilant, L. & Boesch, C. (2004). Wild chimpanzees produce group-specific calls: A case for vocal learning? *Ethology*, **110**, 221-243.

Devinney, B. J., Berman, C. M. & Rasmussen, K. L. R. (2003). Individual differences in response to sibling birth among free-ranging yearling rhesus monkeys (*Macaca mulatta*) on Cayo Santiago. *Behaviour*, **140**, 899-924.

Eliades, S. J. & Wang, X. (2003). Sensory-motor interaction in the primate auditory cortex during self-initiated vocalizations. *J. Neurophysiol.*, **89**, 2194-2207.

Fichtel, C. & Hammerschmidt, K. (2002). Responses of redfronted lemurs to experimentally modified alarm calls: Evidence for urgency-based changes in call structure. *Ethology*, **108**, 763-777.

Fichtel, C. & Hammerschmidt, K. (2003). Responses of squirrel monkeys to their experimentally modified mobbing calls. *J. Acoust. Soc. Am.*, **113**, 2927-2932.

Fischer, J. (2004). Emergence of individual recognition in young macaques. *Anim. Behav.*, **67**, 655-661.

Fischer, J., Kitchen, D. M., Seyfarth, R. M. & Cheney, D. L. (2004). Baboon loud calls advertise male quality: acoustic features and their relation to rank, age, and exhaustion. *Behav. Ecol. Sociobiol.*, **56**, 140-148.

Geissmann, T. (2000). Gibbon songs and human music from an evolutionary perspective. In *The Origins of Music* (N. L. Wallin, B. Merker and S. Brown, eds.). The MIT Press; Cambridge, Mass., pp. 103-123.

Ghazanfar, A. A. & Logothetis, N. K. (2003). Facial expressions linked to monkey calls. *Nature*, **423**, 937-938.

Ghazanfar, A. A. (ed.) (2003). *Primate Audition: Ethology and Neurobiology*. CRC Press; Boca Raton, Florida.

Ghazanfar, A. A., Smith-Rohrberg, D., Pollen, A. A. & Hauser, M. D. (2002). Temporal cues in the antiphonal long-calling behaviour of cottontop tamarins. *Anim. Behav.*, **64**, 427-438.

Gros-Louis, J. (2004). The function of food-associated calls in white-faced capuchin monkeys, *Cebus capucinus*, from the perspective of the signaller. *Anim. Behav.*, **67**, 431-440.

Hammerschmidt, K., Freudenstein, T. & Juergens, U. (2001). Vocal development in squirrel monkeys. *Behaviour*, **138**, 1179-1204.



- Hauser, M. D. (2000). The sound and the fury: Primate vocalizations as reflections of emotion and thought. In *The Origins of Music* (N. L. Wallin, B. Merker and S. Brown, eds.). The MIT Press; Cambridge, Mass., pp. 77-102.
- Hsu, M. J., Lin, J. F., Chen, L. M. & Agoramorthy, G. (2002). Copulation calls in male Formosan macaques: Honest signals of male quality? *Folia Primatol.*, **73**, 220-223.
- Kitchen, D. M. (2004). Alpha male black howler monkey responses to loud calls: effect of numeric odds, male companion behaviour and reproductive investment. *Anim. Behav.*, **67**, 125-139.
- Kitchen, D. M., Cheney, D. L. & Seyfarth, R. M. (2003). Female baboons' responses to male loud calls. *Ethology*, **109**, 401-412.
- Kitchen, D. M., Horwich, R. H. & James, R. A. (2004). Subordinate male black howler monkey (*Alouatta pigra*) responses to loud calls: experimental evidence for the effects of intra-group male relationships and age. *Behaviour*, **141**, 703-723.
- Kitchen, D. M., Seyfarth, R. M., Fischer, J. & Cheney, D. L. (2003). Loud calls as indicators of dominance in male baboons (*Papio cynocephalus ursinus*). *Behav. Ecol. Sociobiol.*, **42**, 374-384.
- Kojima, S. (2003). *A search for the origins of human speech: Auditory and vocal functions of the chimpanzee*. International Specialized Book Services; 920 NE 58th Ave. Suite 300, Portland OR 97213-3786, USA.
- Kojima, S., Izumi, A. & Ceugniet, M. (2003). Identification of vocalizers by pant hoots, pant grunts and screams in a chimpanzee. *Primates*, **44**, 225-230.
- Lemasson, A., Richard, J.-P. & Hausberger, M. (2004). A new methodological approach to context analysis of call production. *Bioacoustics*, **14**, 111-125.
- McCowan, B. & Newman, J. D. (2000). The role of learning in chuck call recognition by squirrel monkeys (*Saimiri sciureus*). *Behaviour*, **137**, 279-300.
- Mendes, F. D. C. & Ades, C. (2004). Vocal sequential exchanges and intragroup spacing in the northern muriqui *Brachyteles arachnoides hypoxanthus*. *An. Acad. Bras. Cienc.*, **76**, 399-404.
- Miller, C. T., Flusberg, S. & Hauser, M. D. (2003). Interruptibility of long call production in tamarins: implications for vocal control. *J. Exp. Biol.*, **206**, 2629-2639.
- Miller, C. T., Miller, J., Gil-Da-Costa, R. & Hauser, M. D. (2001). Selective phonotaxis by cotton-top tamarins (*Saguinus oedipus*). *Behaviour*, **138**, 811-826.
- Miller, L. A. & Helweg, D. A. (2002). Bats, humans and neural networks discriminate amplitude-modulated FM echoes. *Bioacoustics*, **13**, 86.
- Newman, J. D. (2003). Vocal communication and the triune brain. *Physiol. Behav.*, **79**, 495-502.
- Oliveira, D. A. G. & Ades, C. (2004). Long-distance calls in Neotropical primates. *An. Acad. Bras. Cienc.*, **76**, 393-398.
- Partan, S. R. (2002). Single and multichannel signal composition: facial expressions and vocalizations of rhesus macaques (*Macaca mulatta*). *Behaviour*, **139**, 993-1027.
- Poremba, A., Malloy, M., Saunders, R. C., Carson, R. E., Herscovitch, P. & Mishkin, M. (2004). Species-specific calls evoke asymmetric activity in the monkey's temporal poles. *Nature*, **427**, 448-451.
- Poremba, A., Saunders, R. C., Crane, A. M., Cook, M., Sokoloff, L. & Mishkin, M. (2003). Functional mapping of the primate auditory system. *Science*, **299**, 568-572.

- Range, F. & Fischer, J. (2004). Vocal repertoire of sooty mangabeys (*Cercocebus torquatus atys*) in the Tai National Park. *Ethology*, **110**, 301-321.
- Rendall, D. (2003). Acoustic correlates of caller identity and affect intensity in the vowel-like grunt vocalizations of baboons. *J. Acoust. Soc. Am.*, **113**, 3390-3402.
- Rendall, D., Owren, M. J., Weerts, E. & Hienz, R. D. (2004). Sex differences in the acoustic structure of vowel-like grunt vocalizations in baboons and their perceptual discrimination by baboon listeners. *J. Acoust. Soc. Am.*, **115**, 411-421.
- Riede, T. & Zuberbuehler, K. (2003). Pulse register phonation in Diana monkey alarm calls. *J. Acoust. Soc. Am.*, **113**, 2919-2926.
- Riede, T. & Zuberbuehler, K. (2003). The relationship between acoustic structure and semantic information in Diana monkey alarm vocalization. *J. Acoust. Soc. Am.*, **114**, 1132.
- Rukstalis, M., Fite, J. E. & French, J. A. (2003). Social change affects vocal structure in a Callitrichid primate (*Callithrix kuhlii*). *Ethology*, **109**, 327-340.
- Shultz, S., Faurie, C. & Noe, R. (2003). Behavioural responses of Diana monkeys to male long-distance calls: changes in ranging, association patterns and activity. *Behav. Ecol. Sociobiol.*, **53**, 238-245.
- Simonyan, K. & Juergens, U. (2003). Efferent subcortical projections of the laryngeal motorcortex in the rhesus monkey. *Brain Res.*, **974**, 43-59.
- Snowdon, C. T. & Elowson, A. M. (2001). 'Babbling' in pygmy marmosets: development after infancy. *Behaviour*, **138**, 1235-1248.
- Taglialatela, J. P., Savage-Rumbaugh, S. & Baker, L. A. (2003). Vocal production by a language-competent *Pan paniscus*. *Int. J. Primatol.*, **24**, 1-17.
- Todd, N. P. M. & Merker, B. (2004). Siamang gibbons exceed the saccular threshold: Intensity of the song of *Hylobates syndactylus*. *J. Acoust. Soc. Am.*, **115**, 3077-3080.
- Uster, D. & Zuberbuehler, K. (2001). The functional significance of Diana monkey 'clear' calls. *Behaviour*, **138**, 741-756.
- Weiss, D. J. & Hauser, M. D. (2002). Perception of harmonics in the combination long call of cottontop tamarins, *Saguinus oedipus*. *Anim. Behav.*, **64**, 415-426.
- Wich, S. A., Assink, P. R. & Sterck, E. H. M. (2004). Thomas langurs (*Presbytis thomasi*) discriminate between calls of young solitary versus older group-living males: a factor in avoiding infanticide? *Behaviour*, **141**, 41-51.
- Wich, S. A., Assink, P. R., Becher, F. & Sterck, E. H. M. (2002). Playbacks of loud calls to wild Thomas langurs (Primates; *Presbytis thomasi*): The effect of location. *Behaviour*, **139**, 65-78.
- Wich, S. A., Koski, S., Vries, H. & Schaik, C. P. (2003). Individual and contextual variation in Thomas langur male loud calls. *Ethology*, **109**, 1-14.
- Wolters, S. & Zuberbuehler, K. (2003). Mixed-species associations of Diana and Campbell's monkeys: the costs and benefits of a forest phenomenon. *Behaviour*, **140**, 371-385.

## Man

- Baptista, L. F. (2002). Regional dialects in birds and humans. *Bioacoustics*, **13**, 77.
- Bickerton, D. (2000). Can biomusicology learn from language evolution studies? In *The Origins of Music* (N. L. Wallin, B. Merker & S. Brown, eds.). The MIT Press; Cambridge, Mass., pp. 153-163.

- Cirillo, J. (2004). Communication by unvoiced speech: the role of whispering. *An. Acad. Bras. Cienc.*, **76**, 413-423.
- Collins, S. A. & Missing, C. (2003). Vocal and visual attractiveness are related in women. *Anim. Behav.*, **65**, 997-1004.
- Corballis, M. C. (2002). *From Hand to Mouth: The Origins of Language*. Princeton University Press; Princeton.
- Falk, D. (2000). Hominid brain evolution and the origins of music. In *The Origins of Music* (N. L. Wallin, B. Merker and S. Brown, eds.). The MIT Press; Cambridge, Mass., pp. 197-216.
- Frayer, D. W. & Nicolay, C. (2000). Fossil evidence for the origin of speech sounds. In *The Origins of Music* (N. L. Wallin, B. Merker and S. Brown, eds.). The MIT Press; Cambridge, Mass., pp. 217-234.
- Freeman, W. (2000). A neurobiological role of music in social bonding. In *The Origins of Music* (N. L. Wallin, B. Merker and S. Brown, eds.). The MIT Press; Cambridge, Mass., pp. 411-424.
- Geissmann, T. (2000). Gibbon songs and human music from an evolutionary perspective. In *The Origins of Music* (N. L. Wallin, B. Merker and S. Brown, eds.). The MIT Press; Cambridge, Mass., pp. 103-123.
- Goldstein, M. H., King, A. P. & West, M. J. (2003). Social interaction shapes babbling: Testing parallels between birdsong and speech. *Proc. Natl. Acad. Sci. USA*, **100**, 8030-8035.
- Hespos, S. J. & Spelke, E. S. (2004). Conceptual precursors to language. *Nature*, **430**, 453-456.
- Jerison, H. (2000). Paleoneurology and the biology of music. In *The Origins of Music* (N. L. Wallin, B. Merker and S. Brown, eds.). The MIT Press; Cambridge, Mass., pp. 177-196.
- Kipper, S. & Todt, D. (2001). Variation of sound parameters affects the evaluation of human laughter. *Behaviour*, **138**, 1161-1178.
- Kojima, S. (2003). *A search for the origins of human speech: Auditory and vocal functions of the chimpanzee*. International Specialized Book Services; 920 NE 58th Ave. Suite 300, Portland OR 97213-3786, USA.
- Marler, P. (2000). Origins of music and speech: Insights from animals. In *The Origins of Music* (N. L. Wallin, B. Merker and S. Brown, eds.). The MIT Press; Cambridge, Mass., pp. 31-48.
- Masataka, N. (2003). *The Onset of Language*. Cambridge University Press; Cambridge.
- Merker, B. (2000). Synchronous chorusing and human origins. In *The Origins of Music* (N. L. Wallin, B. Merker and S. Brown, eds.). The MIT Press; Cambridge, Mass., pp. 315-327.
- Meyer, J. (2004). Bioacoustics of human whistled languages: an alternative approach to the cognitive processes of language. *An. Acad. Bras. Cienc.*, **76**, 405-412.
- Miller, G. (2000). Evolution of human music through sexual selection. In *The Origins of Music* (N. L. Wallin, B. Merker and S. Brown, eds.). The MIT Press; Cambridge, Mass., pp. 329-360.
- Molino, J. (2000). Toward an evolutionary theory of music and language. In *The Origins of Music* (N. L. Wallin, B. Merker & S. Brown, eds.). The MIT Press; Cambridge, Mass., pp. 165-176.
- Muente, T. F. (2002). Brains out of tune. *Nature*, **415**, 589-590.
- Muente, T. F., Altenmueller, E. & Jaencke, L. (2002). The musician's brain as a model of neuroplasticity. *Nat. Rev. Neurosci.*, **3**, 473-478.
- Panksepp, J. & Bernatzky, G. (2002). Emotional sounds and the brain: the neuro-affective foundations of musical appreciation. *Behav. Processes*, **60**, 133-155.
- Story, B. H. (2002). An overview of the physiology, physics and modeling of the sound source for vowels. *Acoust. Sci. Technol.*, **23**, 195-206.

Todd, P. (2000). Simulating the evolution of musical behavior. In *The Origins of Music* (N. L. Wallin, B. Merker and S. Brown, eds.). The MIT Press; Cambridge, Mass., 361-388.

Todt, D. (2004). From birdsong to speech: a plea for comparative approaches. *An. Acad. Brasil. Cienc.*, **76**, 201-208.

Tremblay, S., Shiller, D. M. & Ostry, D. J. (2003). Somatosensory basis of speech production. *Nature*, **423**, 866-869.

Ujhelyi, M. (2000). Social organizations as a factor in the origins of language and music. In *The Origins of Music* (N. L. Wallin, B. Merker and S. Brown, eds.). The MIT Press; Cambridge, Mass., pp. 125-134.

Wallin, N., Merker, B. & Brown, S., eds. (2000). *The Origins of Music*. The MIT Press; Cambridge, Mass.

## General

Barth, F. G. & Schmid, A. (2001). *Ecology of Sensing*. Springer-Verlag; Berlin.

Ellinger, N. & Hoedl, W. (2003). Habitat acoustics of a Neotropical lowland rainforest. *Bioacoustics*, **13**, 297-321.

Fletcher, N. H. (2004). A simple frequency-scaling rule for animal communication. *J. Acoust. Soc. Am.*, **115**, 2334-2338.

Heldmaier, G. & Werner, D., eds. (2003). *Environmental Signal Processing and Adaptation*. Springer-Verlag; Berlin.

Hill, P. S. M. (2001). Vibration and animal communication: A review. *Am. Zool.*, **41**, 1135-1142.

Marler, P. (2004). Innateness and the instinct to learn. *An. Acad. Brasil. Cienc.*, **76**, 189-200.

Matsuo, I., Kunugiyama, K. & Yano, M. (2004). An echolocation model for range discrimination of multiple closely spaced objects: Transformation of spectrogram into the reflected intensity distribution. *J. Acoust. Soc. Am.*, **115**, 920-928.

Maynard Smith, J. & Harper, D. (2003). *Animal Signals*. Oxford University Press; Oxford.

Nelson, B. S. (2003). Reliability of sound attenuation in Florida scrub habitat and behavioral implications. *J. Acoust. Soc. Am.*, **113**, 2901-2911.

Padgham, M. (2004). Reverberation and frequency attenuation in forests - implications for acoustic communication in animals. *J. Acoust. Soc. Am.*, **115**, 402-410.

Ranft, R. (2004). Natural sound archives: past, present and future. *An. Acad. Bras. Cienc.*, **76**, 456-460.

Rodriguez, R. L. & Snedden, W. A. (2004). On the functional design of mate preferences and receiver biases. *Anim. Behav.*, **68**, 427-432.

Sanderson, M. I., Neretti, N., Intrator, N. & Simmons, J. A. (2003). Evaluation of an auditory model for echo delay accuracy in wideband biosonar. *J. Acoust. Soc. Am.*, **114**, 1648-1659.

Singh, N. C. & Theunissen, F. E. (2003). Modulation spectra of natural sounds and ethological theories of auditory processing. *J. Acoust. Soc. Am.*, **114**, 3394-3411.

Spiesberger, J. L. (2003). U. S. Navy sources and receivers for studying acoustic propagation and climate change in the ocean. *J. Acoust. Soc. Am.*, **114**, 2557-2560.

Wallin, N., Merker, B. & Brown, S., eds. (2000). *The Origins of Music*. The MIT Press; Cambridge, Mass.

## Techniques

- Baker, M. C. & Logue, D. M. (2003). Population differentiation in a complex bird sound: A comparison of three bioacoustical analysis procedures. *Ethology*, **109**, 223-242.
- Barlow, J. & Cameron, G. A. (2003). Field experiments show that acoustic pingers reduce marine mammal bycatch in the California drift gill net fishery. *Mar. Mamm. Sci.*, **19**, 265-283.
- Bee, M. A. (2004). Sound ruler acoustical analysis: A free, open code, multi-platform sound analysis and graphing package. *Bioacoustics*, **14**, 171-178.
- Chappell, O., Leaper, R. & Gordon, J. (1996). Development and performance of an automated harbour porpoise click detector. *Rep. Int. Whal. Commn.*, **46**, 587-594.
- Chesmore, D. (2004). Automated bioacoustic identification of species. *An. Acad. Bras. Cienc.*, **76**, 436-440.
- Coombs, R. F. & Barr, R. (2004). Acoustic remote sensing of swimbladder orientation and species mix in the oreo population of the Chatham Rise. *J. Acoust. Soc. Am.*, **115**, 1516-1524.
- Darden, S. K., Pedersen, S. B. & Dabelsteen, T. (2003). Methods of frequency analysis of a complex mammalian vocalisation. *Bioacoustics*, **13**, 247-263.
- Diefenbach, D. R., Brauning, D. W. & Mattice, J. A. (2003). Variability in grassland bird counts related to observer differences and species detection rates. *Auk*, **120**, 1168-1179.
- Farnsworth, A., Gauthreaux, S. A., Jr. & van Blaricom, D. (2004). A comparison of nocturnal call counts of migrating birds and reflectivity measurements on Doppler radar. *J. Avian Biol.*, **35**, 365-369.
- Francis, D. T. I. & Foote, K. G. (2003). Depth-dependent target strengths of gadoids by the boundary-element method. *J. Acoust. Soc. Am.*, **114**, 3136-3146.
- Gillespie, D. & Chappell, O. (2002). An automatic system for detecting and classifying the vocalisations of harbour porpoises. *Bioacoustics*, **13**, 37-61.
- Greenberg, R. (2003). The use of nest departure calls for surveying swamp sparrows. *J. Field Ornithol.*, **74**, 12-16.
- Greene, C. R., Jr., McLennan, M. W., Norman, R. G., McDonald, T. L., Jakubczak, R. S. & Richardson, W. J. (2004). Directional frequency and recording (DIFAR) sensors in seafloor recorders to locate calling bowhead whales during their fall migration. *J. Acoust. Soc. Am.*, **116**, 799-813.
- Hammond, T. J., Bailey, W. J. & Hammond, G. R. (2003). An automatic acoustic response system for behavioural studies of duetting insects. *Bioacoustics*, **14**, 3-14.
- Helweg, D. A. (2002). Automatic detection and species identification of blue and fin whale calls. *Bioacoustics*, **13**, 96.
- Hirtum, A. Van, Chedad, A., Aerts, J.-M., Berckmans, D., Gustin, P. & Moreaux, B. (2002). On-line cough recogniser system. *Bioacoustics*, **13**, 78.
- Jimenez, I., Londono, G. A. & Cadena, C. D. (2003). Efficiency, bias, and consistency of visual and aural surveys of curassows (Cracidae) in tropical forests. *J. Field Ornithol.*, **74**, 210-216.
- Laurinolli, M. H., Hay, A. E., Desharnais, F. & Taggart, C. T. (2003). Localization of North Atlantic right whale sounds in the Bay of Fundy using a sonobuoy array. *Mar. Mamm. Sci.*, **19**, 709-723.
- Lecoq, M. & Catry, P. (2003). Diurnal tape-luring of wintering chiffchaffs results in samples with biased sex ratios. *J. Field Ornithol.*, **74**, 230-232.

- Lemasson, A., Richard, J.-P. & Hausberger, M. (2004). A new methodological approach to context analysis of call production. *Bioacoustics*, **14**, 111-125.
- Mallekh, R., Lagardere, J. P., Eneau, J. P. & Cloutour, C. (2003). An acoustic detector of turbot feeding activity. *Aquaculture*, **221**, 481-489.
- McCallum, A. (2002). Modelling interspecific differences in chickadee notes with a multiplicative AM model. *Bioacoustics*, **13**, 88-89.
- Moshou, D., Chedad, A., Van Hirtum, A., Aerts, J.-M., Berckmans, D. & Ramon, H. (2002). Cough neural recognition system. *Bioacoustics*, **13**, 98-99.
- Mundry, R. & Sommer, C. (2004). Tonal vocalizations in a noisy environment: an approach to their semi-automatic analysis and examples of its application. *An. Acad. Brasil. Cienc.*, **76**, 284-288.
- Nebel, S. & McCaffery, B. J. (2003). Vocalization activity of breeding shorebirds: documentation of its seasonal decline and applications for breeding bird surveys. *Can. J. Zool.*, **81**, 1702-1708.
- Oba, T. (2004). Application of automated bioacoustic identification in environmental education and assessment. *An. Acad. Bras. Cienc.*, **76**, 446-451.
- Ohya, E. (2004). Identification of *Tibicen* cicada species by a principal components analysis of their songs. *An. Acad. Bras. Cienc.*, **76**, 442-444.
- Pavan, G., Manghi, M., Priano, M. & Fossati, C. (2002). Sound analysis software and hardware for applications in bioacoustics. *Bioacoustics*, **13**, 101.
- Piqueira, J. R. C. (2004). Bits and q-bits as versatility measures. *An. Acad. Brasil. Cienc.*, **76**, 425-428.
- Placer, J. & Slobodchikoff, C. N. (2004). A method for identifying sounds used in the classification of alarm calls. *Behav. Processes*, **67**, 87-98.
- Rogers, A. C., Ferguson, J. E., Harrington, H. M., McDowell, S., Miller, A. & Panagos, J. (2004). Use of stereo duet playback to investigate traditional duet playback methods and mechanisms of cooperative territorial defence in magpie-larks. *Behaviour*, **141**, 741-753.
- Rosny, J. de & Roux, P. (2004). Reply to the comment on "Multiple scattering in a reflecting cavity: Application to fish scattering" (*J. Acoust. Soc. Am.*, **113**, 2978-2979, 2003). *J. Acoust. Soc. Am.*, **115**, 31-34.
- Russ, J. (2003). Avisoft Recorder (version 2.7). *Bioacoustics*, **13**, 323-330.
- Schwenker, F., Dietrich, C., Kestler, H. A., Riede, K. & Palm, G. (2003). Radial basis function neural networks and temporal fusion for the classification of bioacoustic time series. *Neurocomputing*, **51**, 265-275.
- Specht, R. (2002). A versatile PC-based multichannel triggering hard-disk recording system for long-term monitoring of animal sounds. *Bioacoustics*, **13**, 96-97.
- Specht, R. (2004). Compact and user-friendly ultrasound acquisition systems optimized for field recording. *An. Acad. Brasil. Cienc.*, **76**, 452-454.
- Tchernichovski, O. & Mitra, P. P. (2002). Towards quantification of vocal imitation in the zebra finch. *J. Comp. Physiol., A.*, **188**, 867-878.
- Terry, A. M. R. & McGregor, P. K. (2002). Census and monitoring based on individually identifiable vocalizations: the role of neural networks. *Anim. Conserv.*, **5**, 103-111.
- Turcotte, Y. & Desrochers, A. (2002). Playbacks of mobbing calls of black-capped chickadees help estimate the abundance of forest birds in winter. *J. Field Ornithol.*, **73**, 303-307.

Wahlberg, M., Tougaard, J. & Møhl, B. (2003). Localising bitterns *Botaurus stellaris* with an array of non-linked microphones. *Bioacoustics*, **13**, 233-245.

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