

Amphibians 2006

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

Compiled by P. Hansen

Amezquita, A., Castellanos, L. & Hoedl, W. (2005). Auditory matching of male *Epipedobates femoralis* (Anura: Dendrobatidae) under field conditions. *Anim. Behav.*, **70**, 1377-1386.

Amezquita, A., Hoedl, W., Lima, A. P., Castellanos, L., Erdtmann, L. & De Araujo, M. C. (2006). Masking interference and the evolution of the acoustic communication system in the amazonian dendrobatid frog *Allobates femoralis*. *Evolution*, **60**, 1874-1887.

Barrio-Amoros, C. L. (2006). A new species of *Phyllomedusa* (Anura: Hylidae: Phyllomedusinae) from northwestern Venezuela. *Zootaxa*, **1309**, 55-68.

Bee, M. A. (2004). Within-individual variation in bullfrog vocalizations: Implications for a vocally mediated social recognition system. *J. Acoust. Soc. Am.*, **116**, 3770-3781.

Bernal, X. E., Guarnizo, C. & Luddecke, H. (2005). Geographic variation in advertisement call and genetic structure of *Colostethus palmatus* (Anura, Dendrobatidae) from the Colombian Andes. *Herpetologica*, **61**, 395-408.

Bernal, X. E., Rand, A. S. & Ryan, M. J. (2006). Acoustic preferences and localization performance of blood-sucking flies (*Corethrella* Coquillett) to tungara frog calls. *Behav. Ecol.*, **17**, 709-715.

Bevier, C. R., Larson, K., Reilly, K. & Tat, S. (2004). Vocal repertoire and calling activity of the mink frog, *Rana septentrionalis*. *Amphibia-Reptilia*, **25**, 255-264.

Bevier, C. R., Tierney, D. C., Henderson, L. E. & Reid, H. E. (2006). Chorus attendance and site fidelity in the mink frog, *Rana septentrionalis*: Are males territorial? *J. Herpetol.*, **40**, 160-164.

Borkent, A. & Belton, P. (2006). Attraction of female *Uranotaenia lowii* (Diptera: Culicidae) to frog calls in Costa Rica. *Can. Entomol.*, **138**, 91-94.

Bosch, J. & Boyero, L. (2006). Female Iberian midwife toads (*Alytes cisternasii*) use call order to reach particular males in dense choruses. *J. Ethol.*, **24**, 291-295.

Bosch, J. & De la Riva, I. (2004). Are frog calls modulated by the environment? An analysis with Anuran species from Bolivia. *Can. J. Zool.*, **82**, 880-888.

Bosch, J. & Marquez, R. (2005). Female preference intensities on different call characteristics and symmetry of preference above and below the mean in the Iberian midwife toad *Alytes cisternasii*. *Ethology*, **111**, 323-333.

Boul, K. E. & Ryan, M. J. (2004). Population variation of complex advertisement calls in *Physalaemus petersi* and comparative laryngeal morphology. *Copeia*, **2004**, 624-631.

- Brandao, R. A. & Heyer, W. R. (2005). The complex calls of *Leptodactylus pustulatus* (Amphibia, Anura, Leptodactylidae). *Amphibia-Reptilia*, **26**, 566-570.
- Brandes, T. S., Naskrecki, P. & Figueroa, H. K. (2006). Using image processing to detect and classify narrow-band cricket and frog calls. *J. Acoust. Soc. Am.*, **120**, 2950-2957.
- Brown, J. L., Schulte, R. & Summers, K. (2005). A new species of *Dendrobates* (Anura: Dendrobatidae) from the Amazonian lowlands in Peru. *Zootaxa*, **1152**, 45-58.
- Burmeister, S. S. (2005). Sex differences in the brain: Plasticity and constraints. Focus on 'Androgen-induced vocal transformation in adult female African clawed frogs.' *J. Neurophysiol.*, **94**, 33-34.
- Byrne, P. G. & Roberts, J. D. (2004). Intrasexual selection and group spawning in quacking frogs (*Crinia georgiana*). *Behav. Ecol.*, **15**, 872-882.
- Camargo, A., De Sa, R. O. & Heyer, W. R. (2006). Phylogenetic analyses of mtDNA sequences reveal three cryptic lineages in the widespread neotropical frog *Leptodactylus fuscus* (Schneider, 1799) (Anura, Leptodactylidae). *Biol. J. Linn. Soc.*, **87**, 325-341.
- Castellano, S. & Rosso, A. (2006). Variation in call temporal properties and female preferences in *Hyla intermedia*. *Behaviour*, **143**, 405-424.
- Channing, A., Brun, C., Burger, M., Febvre, S. & Moyer, D. (2005). A new cryptic dainty frog from east Africa (Anura: Ranidae: *Cacosternum*). *Afr. J. Herpetol.*, **54**, 139-148.
- Channing, A., Menegon, M., Salvidio, S. & Akker, S. (2005). A new forest toad from the Ukaguru mountains, Tanzania (Bufonidae: *Nectophrynoidea*). *Afr. J. Herpetol.*, **54**, 149-157.
- Farris, H. E., Rand, A. S. & Ryan, M. J. (2005). The effects of time, space and spectrum on auditory grouping in tungara frogs. *J. Comp. Physiol. A.*, **191**, 1173-1183.
- Felton, A., Alford, R. A., Felton, A. M. & Schwarzkopf, L. (2006). Multiple mate choice criteria and the importance of age for male mating success in the microhylid frog, *Cophixalus ornatus*. *Behav. Ecol. Sociobiol.*, **59**, 786-695.
- Feng, A. S., Narins, P. M., Xu, C.-H., Lin, W.-Y., Yu, Z.-L., Qiu, Q., Xu, Z.-M. & Shen, J.-X. (2006). Ultrasonic communication in frogs. *Nature*, **440**, 333-336.
- Friedl, T. W. P. (2006). Individual male calling pattern and male mating success in the European treefrog (*Hyla arborea*): Is there evidence for directional or stabilizing selection on male calling behaviour? *Ethology*, **112**, 116-126.
- Friedl, T. W. P. & Klump, G. M. (2005). Sexual selection in the lek-breeding European treefrog: body size, chorus attendance, random mating and good genes. *Anim. Behav.*, **70**, 1141-1154.
- Gerhardt, H. C. (2005). Acoustical spectral preferences in two cryptic species of grey treefrogs: implications for mate choice and sensory mechanisms. *Anim. Behav.*, **70**, 39-48.

Gerhardt, H. C. (2005). Advertisement-call preferences in diploid-tetraploid treefrogs (*Hyla chrysoscelis* and *Hyla versicolor*): Implications for mate choice and the evolution of communication systems. *Evolution*, **59**, 395-408.

Gerhardt, H. C. & Hoebel, G. (2005). Mid-frequency suppression in the green treefrog (*Hyla cinerea*): mechanisms and implications for the evolution of acoustic communication. *J. Comp. Physiol. A.*, **191**, 707-714.

Giasson, L. O. M. & Haddad, C. F. B. (2006). Social interactions in *Hypsiboas albomarginatus* (Anura: Hylidae) and the significance of acoustic and visual signals. *J. Herpetol.*, **40**, 171-180.

Given, M. F. (2005). Vocalizations and reproductive behavior of male Pickerel frogs, *Rana palustris*. *J. Herpetol.*, **39**, 223-233.

Grafe, T. U. & Meuche, I. (2005). Chorus tenure and estimates of population size of male European tree frogs *Hyla arborea*: implications for conservation. *Amphibia-Reptilia*, **26**, 437-444.

Graves, B. M., Stanley, K. A. & Gardner, E. A. (2005). Correlates of vocal display in a Costa Rican population of strawberry poison-dart frogs, *Dendrobates pumilio*. *J. Herpetol.*, **39**, 101-107.

Greenfield, M. D. (2005). Mechanisms and evolution of communal sexual displays in arthropods and anurans. *Adv. Study Behav.*, **35**, 1-62.

Gridi-Papp, M., Rand, A. S. & Ryan, M. J. (2006). Animal communication: Complex call production in the tungara frog. *Nature*, **441**, 38. (Correction: *Nature*, **442**, 257).

Hauselberger, K. F. & Alford, R. A. (2005). Effects of season and weather on calling in the Australian microhylid frogs *Austrochaperina robusta* and *Cophixalus ornatus*. *Herpetologica*, **61**, 349-363.

Hirschmann, W. & Hoedl, W. (2006). Visual signaling in *Phrynobatrachus krefftii* Boulenger, 1909 (Anura: Ranidae). *Herpetologica*, **62**, 18-27.

Horowitz, S. S., Simmons, A. M. & Ketten, D. R. (2005). Optical and tomographic imaging of a middle ear malformation in the bullfrog (*Rana catesbeiana*). *J. Acoust. Soc. Am.*, **118**, 1166-1171.

Hoskin, C. J. (2004). Australian microhylid frogs (*Cophixalus* and *Austrochaperina*): phylogeny, taxonomy, calls, distributions and breeding biology. *Austr. J. Zool.*, **52**, 237-269.

Hsu, M. Y., Kam, Y. C. & Fellers, G. M. (2006). Temporal organization of an anuran acoustic community in a Taiwanese subtropical forest. *J. Zool.*, **269**, 331-339.

Katbamna, B., Brown, J. A., Collard, M. & Ide, C. F. (2006). Auditory brainstem responses to airborne sounds in the aquatic frog *Xenopus laevis*: correlation with middle ear characteristics. *J. Comp. Physiol. A.*, **192**, 381-387.

- Kaya, U. (2002). Advertisement call of the Caucasian parsley frog, *Pelodytes caucasicus* Boulenger 1896 (Pelodytidae, Anura) in Turkey. *Isr. J. Zool.*, **48**, 263-272.
- Kelley, D. B. (2004). Vocal communication in frogs. *Curr. Opin. Neurobiol.*, **14**, 751-757.
- Kime, N. M., Burmeister, S. S. & Ryan, M. J. (2004). Female preferences for socially variable call characters in the cricket frog, *Acris crepitans*. *Anim. Behav.*, **68**, 1391-1399.
- Kohler, J., Scheelke, K., Schick, S., Veith, M. & Lötters, S. (2005). Contribution to the taxonomy of hyperoliid frogs (Amphibia: Anura: Hyperoliidae): advertisement calls of twelve species from East and Central Africa. *Afr. J. Zool.*, **40**, 127-142.
- Kraus, F. & Allison, A. (2006). Three new species of *Cophixalus* (Anura: Microhylidae) from southeastern New Guinea. *Herpetologica*, **62**, 202-220.
- Krishna, S. N. & Krishna, S. B. (2005). Female courtship calls of the litter frog (*Rana curtipes*) in the tropical forests of Western Ghats, South India. *Amphibia-Reptilia*, **26**, 431-435.
- Krishna, S. N. & Krishna, S. B. (2006). Visual and acoustic communication in an endemic stream frog, *Micrixalus saxicolus* in the Western Ghats, India. *Amphibia-Reptilia*, **27**, 143-147.
- Kwet, A. & Sole, M. (2005). Validation of *Hylodes henselii* Peters, 1870, from southern Brazil and description of acoustic variation in *Eleutherodactylus guentheri* (Anura: Leptodactylidae). *J. Herpetol.*, **39**, 521-532.
- Lampert, K. P., Bernal, X. E., Rand, A. S., Mueller, U. G. & Ryan, M. J. (2006). No evidence for female mate choice based on genetic similarity in the tungara frog *Physalaemus pustulosus*. *Behav. Ecol. Sociobiol.*, **59**, 796-804.
- Larson, K. A. (2004). Advertisement call complexity in northern leopard frogs, *Rana pipiens*. *Copeia*, **2004**, 676-682.
- Leary, C. J., Fox, D. J., Shepard, D. B. & Garcia, A. M. (2005). Body size, age, growth and alternative mating tactics in toads: satellite males are smaller but not younger than calling males. *Anim. Behav.*, **70**, 663-671.
- Leary, C. J., Garcia, A. M. & Knapp, R. (2006). Stress hormone is implicated in satellite-caller associations and sexual selection in the Great Plains toad. *Am. Nat.*, **168**, 431-440.
- Leary, C. J., Garcia, A. M. & Knapp, R. (2006). Elevated corticosterone levels elicit non-calling mating tactics in male toads independently of changes in circulating androgens. *Horm. Behav.*, **49**, 425-432.
- Littlejohn, M. J. (2005). Geographic variation in advertisement calls of *Crinia signifera* (Anura: Myobatrachidae) in the Bass Strait area of south-eastern Australia. *Austr. J. Zool.*, **53**, 221-228.

Lynch, K. S., Crews, D., Ryan, M. J. & Wilczynski, W. (2006). Hormonal state influences aspects of female mate choice in the tungara frog (*Physalaemus pustulosus*). *Horm. Behav.*, **49**, 450-457.

Lynch, K. S., Rand, A. S., Ryan, M. J. & Wilczynski, W. (2005). Plasticity in female mate choice associated with changing reproductive states. *Anim. Behav.*, **69**, 689-699.

Marquez, R. & Eekhout, X. R. (2006). Advertisement calls of six species of anurans from Bali, Republic of Indonesia. *J. Nat. Hist.*, **40**, 571-588.

Marquez, R., Moreira, C., Do Amaral, J. P. S., Pargana, J. M. & Crespo, E. G. (2005). Sound pressure level of advertisement calls of *Hyla meridionalis* and *Hyla arborea*. *Amphibia-Reptilia*, **26**, 391-395.

Marquez, R., Penna, M., Marques, P. & Do Amaral, J. P. S. (2005). Diverse types of advertisement calls in the frogs *Eupsophus calcaratus* and *Eupsophus roseus* (Leptodactylidae): A quantitative comparison. *Herpetol. J.*, **15**, 257-263.

Marshall, V. T., Schwartz, J. J. & Gerhardt, H. C. (2006). Effects of heterospecific call overlap on the phonotactic behaviour of grey treefrogs. *Anim. Behav.*, **72**, 449-459.

McClelland, B. E., Wilczynski, W. & Ryan, M. J. (1998). Intraspecific variation in laryngeal and ear morphology in male cricket frogs (*Acris crepitans*). *Biol. J. Linn. Soc.*, **63**, 51-67.

Michimae, H., Nishimura, K. & Wakahara, M. (2005). Mechanical vibrations from tadpoles' flapping tails transform salamander's carnivorous morphology. *Biology Lett.*, **1**, 75-77.

Murphy, C. G. & Floyd, S. B. (2005). The effect of call amplitude on male spacing in choruses of barking treefrogs, *Hyla gratiosa*. *Anim. Behav.*, **69**, 419-426.

Napoli, M. F. & Caramaschi, U. (2004). Two new species of the *Hyla circumdata* group from Serra do Mar and Serra da Mantiqueira, Southeastern Brazil, with description of the advertisement call of *Hyla ibitipoca* (Anura, Hylidae). *Copeia*, **2004**, 534-545.

Napoli, M. F. & Junca, F. A. (2006). A new species of the *Bokermannohyla circumdata* group (Amphibia: Anura: Hylidae) from Chapada Diamantina, State of Bahia, Brazil. *Zootaxa*, **1244**, 57-68.

Nelson, G. L. & Graves, B. M. (2004). Anural population monitoring: Comparison of the North American monitoring program's calling index with mark-recapture estimates for *Rana clamitans*. *J. Herpetol.*, **38**, 355-359.

Oliveira, F. B. De & Navas, C. A. (2004). Plant selection and seasonal patterns of vocal activity in two populations of the bromeligen treefrog *Scinax perpusillus* (Anura, Hylidae). *J. Herpetol.*, **38**, 331-339.

Owen, P. C. & Tucker, J. K. (2006). Courtship calls and behavior in two species of chorus frogs, genus *Pseudacris* (Anura: Hylidae). *Copeia*, **2006**, 137-144.

Padial, J. M. & De la Riva, I. (2005). Rediscovery, redescription, and advertisement call of *Eleutherodactylus heterodactylus* (Miranda Rebeiro, 1937) (Anura: Leptodactylidae), and notes on other *Eleutherodactylus*. *J. Herpetol.*, **39**, 372-379.

Page, R. A. & Ryan, M. J. (2005). Flexibility in assessment of prey cues: frog-eating bats and frog calls. *Proc. R. Soc. B.*, **272**, 841-847.

Page, R. A. & Ryan, M. J. (2006). Social transmission of novel foraging behavior in bats: Frog calls and their referents. *Curr. Biol.*, **16**, 1201-1205.

Pargana, J. M., Marquez, R., Reques, R., Sanchez-Herraiz, M. J., Tejedo, M. & Crespo, E. G. (2004). The mating call of *Pelodytes ibericus* (Anura, Pelodytidae). *Herpetolog. J.*, **13**, 199-204.

Pauly, G. B., Bernal, X. E., Rand, A. S. & Ryan, M. J. (2006). The vocal sac increases call rate in the tungara frog *Physalaemus pustulosus*. *Physiol. Biochem. Zool.*, **79**, 708-719.

Pellet, J. & Schmidt, B. R. (2005). Monitoring distributions using call surveys: estimating site occupancy, detection probabilities and inferring absence. *Biol. Conserv.*, **123**, 27-35.

Penna, M., Marquez, R., Bosch, J. & Crespo, E. G. (2006). Nonoptimal propagation of advertisement calls of midwife toads in Iberian habitats. *J. Acoust. Soc. Am.*, **119**, 1227-1237.

Penna, M., Narins, P. M. & Feng, A. S. (2005). Thresholds for evoked vocal responses of *Eupsophus emiliopugini* (Amphibia, Leptodactylidae). *Herpetologica*, **61**, 1-8.

Penna, M., Pottstock, H. & Velasquez, N. (2005). Effect of natural and synthetic noise on evoked vocal responses in a frog of the temperate austral forest. *Anim. Behav.*, **70**, 639-651.

Pfennig, K. S. & Ryan, M. J. (2006). Reproductive character displacement generates reproductive isolation among conspecific populations: an artificial neural network study. *Proc. R. Soc. B.*, **273**, 1361-1368.

Pimenta, B. V. S. & Cruz, C. A. G. (2004). The tadpole and advertisement call of *Physalaemus aguirrei* Bokermann, 1966 (Amphibia, Anura, Leptodactylidae). *Amphibia-Reptilia*, **25**, 197-204.

Potter, K., Bose, T. & Yamaguchi, A. (2004). Androgen-induced modification of the functional properties of vocal motoneurons in African clawed frogs. *Horm. Behav.*, **46**, 99-100.

Potter, K. A., Bose, T. & Yamaguchi, A. (2005). Androgen-induced vocal transformation in adult female African clawed frogs. *J. Neurophysiol.*, **94**, 415-428.

Poole, J. A. (2004). Modeling abundance index data from anuran calling surveys. *Conserv. Biol.*, **18**, 1378-1385.

Prohl, H., Koshy, R. A., Mueller, U., Rand, A. S. & Ryan, M. J. (2006). Geographic variation of genetic and behavioral traits in northern and southern Tungara frogs. *Evolution*, **60**,

1669-1679.

Richards, C. L. (2006). Has the evolution of complexity in the amphibian papilla influenced anuran speciation rates? *J. Evol. Biol.*, **19**, 1222-1230.

Richards, S. J., Oliver, P., Dahl, C. & Tjaturadi, B. (2006). A new species of large green treefrog (Anura: Hylidae: *Litoria*) from northern New Guinea. *Zootaxa*, **1208**, 57-68.

Riva, I. De la, Bosch, J. & Marquez, R. (2004). The advertisement calls of two New Guinean species of *Litoria* (Amphibia, Anura, Hylidae). *Amphibia-Reptilia*, **25**, 173-178.

Rojas, B., Amezquita, A. & Delgadillo, A. (2006). Matching and symmetry in the frequency recognition curve of the poison frog *Epipedobates trivittatus*. *Ethology*, **112**, 564-571.

Ron, S. R., Coloma, L. A. & Cannatella, D. C. (2005). A new, cryptic species of *Physalaemus* (Anura: Leptodactylidae) from western Ecuador with comments on the call structure of the *P. pustulosus* species group. *Herpetologica*, **61**, 178-198.

Rosso, A., Castellano, S. & Giacoma, C. (2006). Preferences for call spectral properties in *Hyla intermedia*. *Ethology*, **112**, 599-607.

Royle, J. A. & Link, W. A. (2005). A general class of multinomial mixture models for anuran calling survey data. *Ecology*, **86**, 2505-2512.

Ryan, M. J. (2005). The evolution of behaviour, and integrating it towards a complete and correct understanding of behavioural biology. *Anim. Biol.*, **55**, 419-439.

Schwartz, J. J. & Rahmeyer, K. M. (2006). Calling behavior and the capacity for sustained locomotory exercise in the gray treefrog (*Hyla versicolor*). *J. Herpetol.*, **40**, 164-171.

Schwartz, J. J., Huth, K. & Hutchin, T. (2004). How long do females really listen? Assessment time for female choice in the grey treefrog, *Hyla versicolor*. *Anim. Behav.*, **68**, 533-540.

Scroggie, M. P. & Littlejohn, M. J. (2005). Territorial vocal behavior in hybrid smooth froglets, *Geocrinia laevis* complex (Anura: Myobatrachidae). *Behav. Ecol. Sociobiol.*, **58**, 72-79.

Silva, I. S. N. & Junca, F. A. (2006). Evidence of full species status of the neotropical leaf-frog *Phyllomedusa burmeisteri bahiana* (A. Lutz, 1925)(Amphibia, Anura, Hylidae). *Zootaxa*, **1113**, 51-64.

Sinsch, U. (2006). Orientation and navigation in Amphibia. *Mar. Freshw. Behav. Physiol.*, **39**, 65-71.

Smith, M. J. & Hunter, D. (2005). Temporal and geographic variation in the advertisement call of the Booroolong frog (*Litoria booroolongensis*: Anura: Hylidae). *Ethology*, **111**, 1103-1115.

- Stevens, C. E. & Paszkowski, C. A. (2004). Using chorus-size ranks from call surveys to estimate reproductive activity of the wood frog (*Rana sylvatica*). *J. Herpetol.*, **38**, 404-410.
- Suggs, D. N. & Simmons, A. M. (2005). Information theory analysis of patterns of modulation in the advertisement call of the male bullfrog, *Rana catesbeiana*. *J. Acoust. Soc. Am.*, **117**, 2330-2337.
- Sun, J. W. C. & Narins, P. A. (2005). Anthropogenic sounds differentially affect amphibian call rate. *Biol. Conserv.*, **121**, 419-427.
- Ten Eyck, G. R. (2005). Arginine vasotocin activates advertisement calling and movement in the territorial Puerto Rican frog, *Eleutherodactylus coqui*. *Horm. Behav.*, **47**, 223-229.
- Toledo, L. F. & Haddad, C. F. B. (2005). Acoustic repertoire and calling behavior of *Scinax fuscomarginatus* (Anura, Hylidae). *J. Herpetol.*, **39**, 455-464.
- Vassilakis, P. N., Meenderink, S. W. F. & Narins, P. M. (2004). Distortion product otoacoustic emissions provide clues to hearing mechanisms in the frog ear. *J. Acoust. Soc. Am.*, **116**, 3713-3726.
- Vences, M., Andreone, F. & Veites, D. R. (2005). New treefrog of the genus *Boophis* Tschudi 1838 from the northwestern rainforests of Madagascar. *Trop. Zool.*, **18**, 237-249.
- Warkentin, K. M. (2005). How do embryos assess risk? Vibrational cues in predator-induced hatching of red-eyed treefrogs. *Anim. Behav.*, **70**, 59-71.
- Warkentin, K. M., Caldwell, M. S. & McDaniel, J. G. (2006). Temporal pattern cues in vibrational risk assessment by embryos of the red-eyed tree-frog, *Agalychnis callidryas*. *J. Exp. Biol.*, **209**, 1376-1384.
- Weber, L. N., De Carvalho-E-Silva, S. P. & Gonzaga, L. P. (2005). The tadpole of *Physalaemus soaresi* Izecksohn, 1965 (Anura: Leptodactylidae), with comments on taxonomy, reproductive behavior, and vocalizations. *Zootaxa*, **1072**, 35-42.
- Weir, L. A., Royle, J. A., Nanjappa, P. & Jung, R. E. (2005). Modeling anural detection and site occupancy on North American Amphibian Monitoring Program (NAAMP) routes in Maryland. *J. Herpetol.*, **39**, 627-639.
- Witte, K., Farris, H. E., Ryan, M. J. & Wilczynski, W. (2005). How cricket frog females deal with a noisy world: habitat-related differences in auditory tuning. *Behav. Ecol.*, **16**, 571-579.
- Wogel, H., Abrunhosa, P. A. & Weber, L. N. (2004). The tadpole, vocalizations and visual displays of *Hylodes nasus* (Anura: Leptodactylidae). *Amphibia-Reptilia*, **24**, 219-227.
- Young, J. E., Tyler, M. J. & Kent, S. A. (2005). Diminutive new species of *Uperoleia* Grey (Anura: Myobatrachidae) from the vicinity of Darwin, Northern Territory, Australia. *J. Herpetol.*, **39**, 603-609.
- Yu, Z. L., Qiu, Q., Xu, Z. M. & Shen, J. X. (2006). Auditory response characteristics of the

piebald odorous frog and their implications. *J. Comp. Physiol. A.*, **192**, 801-806.

