

Contents Volume 207 (7) 2004

Obituaries

- Hoppeler, H. and Lutz, P.** R. G. Boutilier. 8 September 1953 – 21 December 2003. 1051
Burrows, M. Memories of Bob Boutilier in Cambridge. 1052
Toews, D. Memories of Bob Boutilier. 1053-1054

▼Inside JEB

- From Goo To Glue** 1055; Are Worms Heavy Metal Fans? 1055; **Wiring An Electric Conversation** 1056; **Fast Developers** 1057

Outside JEB

- Mutation Makes Pigs Porky** 1058; **Potassium Channels – Why So Many?** 1059; **Stress Underlies Population Differences In Killifish** 1059; **Hares Stock Up On Fatty Acids** 1060; **Getting To The Heart Of Motor Learning** 1061

Research Articles

- Birch, J. M., Dickson, W. B. and Dickinson, M. H.** Force production and flow structure of the leading edge vortex on flapping wings at high and low Reynolds numbers. 1063-1072

- **Carlson, B. A. and Hopkins, C. D.** Central control of electric signaling behavior in the mormyrid *Brienomyrus brachyistius*: segregation of behavior-specific inputs and the role of modifiable recurrent inhibition. 1073-1084

- D'Ettorre, P., Heinze, J., Schulz, C., Francke, W. and Ayasse, M.** Does she smell like a queen? Chemoreception of a cuticular hydrocarbon signal in the ant *Pachycondyla inversa*. 1085-1091

- Suzuki, S., Hino, N. and Sugi, H.** Intracellular calcium translocation during the contraction–relaxation cycle in scorpionfish swimbladder muscle. 1093-1099

- **Demuyncck, S., Bocquet-Muchembled, B., Deloffre, L., Grumiaux, F. and Leprêtre, A.** Stimulation by cadmium of myohemerythrin-like cells in the gut of the annelid *Nereis diversicolor*. 1101-1111

- Lambert, T. D., Howard, J., Plant, A., Sofie, S. and Roberts, A.** Mechanisms and significance of reduced activity and responsiveness in resting frog tadpoles. 1113-1125

- **Pawlicki, J. M., Pease, L. B., Pierce, C. M., Startz, T. P., Zhang, Y. and Smith, A. M.** The effect of molluscan glue proteins on gel mechanics. 1127-1135

- Wu, J. H. and Sun, M.** Unsteady aerodynamic forces of a flapping wing. 1137-1150

- **Zhou, X., Zhou, B., Truman, J. W. and Riddiford, L. M.**

Overexpression of *broad*: a new insight into its role in the *Drosophila* prothoracic gland cells. 1151-1161

- Christie, A. E., Cain, S. D., Edwards, J. M., Clason, T. A., Cherny, E., Lin, M., Manhas A. S., Sellereit, K. L., Cowan, N. G., Nold, K. A., Strassburg, H.-P. and Graubard, K.** The anterior cardiac plexus: an intrinsic neurosecretory site within the stomatogastric nervous system of the crab *Cancer productus*. 1163-1182

- Kohlsdorf, T., James, R. S., Carvalho, J. E., Wilson, R. S., Dal Pai-Silva, M. and Navas, C. A.** Locomotor performance of closely related *Tropidurus* species: relationships with physiological parameters and ecological divergence. 1183-1192

- Wiltschko, W., Möller, A., Gesson, M., Noll, C. and Wiltschko, R.** Light-dependent magnetoreception in birds: analysis of the behaviour under red light after pre-exposure to red light. 1193-1202

- Vladimirov, V. A., Wu, M. S. C., Pedley, T. J., Denissenko, P. V. and Zakhidova, S. G.** Measurement of cell velocity distributions in populations of motile algae. 1203-1216

- Santos, C. R. A., Estêvão, M. D., Fuentes, J., Cardoso, J. C. R., Fabra, M., Passos, A. L., Detmers, F. J., Deen, P. M. T., Cerdà, J. and Power, D. M.** Isolation of a novel aquaglyceroporin from a marine teleost (*Sparus auratus*): function and tissue distribution. 1217-1227

- Hart, N. S.** Microspectrophotometry of visual pigments and oil droplets in a marine bird, the wedge-tailed shearwater *Puffinus pacificus*: topographic variations in photoreceptor spectral characteristics. 1229-1240

- Vácha, M. and Soukopová, H.** Magnetic orientation in the mealworm beetle *Tenebrio* and the effect of light. 1241-1248

- Pane, E. F., Haque, A., Goss, G. G. and Wood, C. M.** The physiological consequences of exposure to chronic, sublethal waterborne nickel in rainbow trout (*Oncorhynchus mykiss*): exercise vs resting physiology. 1249-1261

- O'Brochta, D. A., Sethuraman, N., Wilson, R., Hice, R. H., Pinkerton, A. C., Levesque, C. S., Bideshi, D. K., Jasinskiene, N., Coates, C. J., James, A. A., Lehane, M. J. and Atkinson, P. W.** Gene vector and transposable element behavior in mosquitoes (Corrigendum). 1263

► Article featured 'Inside JEB'