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Nota di contenuto	Photoperiodic regulation of insect and molluscan hormones; Contents; Chairman's opening remarks; Introduction: the links between 'wet' and 'dry' physiology; Unity and diversity in insect photoperiodism; Discussion; The circadian component in photoperiodic induction; Discussion; Photoperiod reception in spider mites: photoreceptor, clock and counter; Discussion; Long-night summation and programming of pupal diapause in the flesh-fly, <i>Sarcophaga argyrostoma</i> ; Discussion; GENERAL DISCUSSION; Effect of temperature on the photoperiodic clock in <i>Megoura viciae</i> Long- and short-day effects on diapause induction in <i>Pyrrhocoris apterus</i> ; Genetic analysis of geographical variation in photoperiodic diapause and pupal eclosion rhythm in <i>Drosophila littoralis</i> ; Discussion; Neuronal organization of a circadian clock in the cockroach <i>Leucophaea maderae</i> ; Discussion; Circadian-clock control of hormone secretion in

Samia Cynthia ricini; Discussion; Circadian control of haemolymph ecdysteroid titres and the ecdysis rhythm in *Rhodnius prolixus*; Discussion

Photoperiodic regulation of prothoracicotropic hormone release in late larval, prepupal and pupal stages of *Sarcophaga bullata*; Discussion; Reproductive endocrinology and photoperiodism in a terrestrial slug; Discussion; Photoperiodicity, rhythmicity and endocrinology of reproduction in the snail *Lymnaea stagnalis*; Discussion; Physiological aspects of the two oscillators that regulate the timing of eclosion in moths; Discussion; A hormonal basis for the photoperiodic control of polymorphism in aphids; Discussion

Environmental signals, the neuroendocrine system, and the regulation of larval diapause in the southwestern corn borer, *Diatraea grandiosella*; Discussion; CONCLUDING GENERAL DISCUSSION; Models, hormone titres and clocks; Concluding comments; Index of contributors; Subject index

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