

**B105** The Spider Fauna of Mt. Namsan in seoul

Kim, Joo-Pil, Yoo, Jung-Sun\* and Kim, Byung-Woo  
The Arachnological Institute of Korea, Dongguk University

Spiders had been collected during a 1996 survey in 4 major habitats of the Mt. Namsan. A number of sampling methods had been applied in the research of spider fauna in Mt. Namsan. The principal methods were visual search, sweep-net methods, beating-sheet method and pitfall trapping. As a result of all the collection, the spider fauna of Mt. Namsan were identified.

**B106** Differences in Call Types in a Chorus of *Hyla japonica*

Guebum Park and Jae Chun Choe

We recorded calls of *H. japonica* at several locations in Kyungki-do and Kangwon-do from June to August in 1996 and 1997, and analyzed them using sonograph. *Hyla japonica* is found to use advertisement call to attract mates and encounter call to regulate inter-male spacing during the breeding season. Encounter call duration is much longer and variable than advertisement call. Encounter calls have more pulses and lower frequencies than advertisement calls. We compared advertisement call properties when a male calls alone with those when males call in a chorus. Call duration and interval between calls are shorter in a chorus ( $p < 0.05$ ,  $p < 0.0001$ ), but variances in call duration and interval are larger in a chorus ( $p < 0.0001$ , respectively). Main frequency is also lower in a chorus ( $p < 0.0001$ ). Males may produce more frequent but lower-frequency calls in a chorus to attract more mates.