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BRIEF COMMUNICATION

INCIDENCE OF *ANGIOSTRONGYLUS SIAMENSIS* IN SMALL MAMMALS AT NAKORN NAYOK, THAILAND<sup>1</sup>

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*Angiostrongylus siamensis* OHBAYASHI, KAMIYA et BHAIBULAYA, 1979, was recorded for the first time from the mesenteric arteries of *Rattus sabanus* at Nakorn Nayok, 100km northeast of Bangkok, Thailand. Following this discovery, KAMIYA et al. (1980) added *Rattus berdmorei*, *R. rattus* and *R. surifer* as host animals. Up to this time, *A. siamensis* has been found only at Nakorn Nayok. During the period from July 22 to August 13, 1982, we collected parasite specimens from small Thai mammals of various areas, and obtained again *A. siamensis* at Nakorn Nayok as shown in Table 1. As a result, *Bandicota savilei* and *B. indica* were added as new host animal species of this parasite. Among murid animals this parasite is expected to have a wide host range.

TABLE 1 Incidence of *A. siamensis* in small mammals at Nakorn Nayok

| HOST                     | NUMBER OF CASES |          |
|--------------------------|-----------------|----------|
|                          | Examined        | Positive |
| <i>Rattus rattus</i>     | 11              | 0        |
| <i>R. surifer</i>        | 73              | 10       |
| <i>R. sabanus</i>        | 2               | 0        |
| <i>R. fulvescens</i>     | 1               | 0        |
| <i>R. berdmorei</i>      | 8               | 6        |
| <i>Bandicota savilei</i> | 10              | 2        |
| <i>B. indica</i>         | 1               | 1        |
| <i>Menetes berdmorei</i> | 3               | 0        |
| <i>Tupaia glis</i>       | 4               | 0        |
| Total                    | 113             | 19       |

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In positive cases, the caecum manifested focal thickening of the wall, a compression preparation of which showed microscopically an accumulation of eggs and first stage larvae within granulomatous focus. Adult worms, 1-8 (average 3) in number, recovered from regional mesenteric arteries.

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