

## Note on New Distribution Record of the Dalat Frog *Rana milleti* Smith, 1921 in Southeastern Thailand

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The Dalat Frog *Rana milleti* was described on the basis of the ten syntypes (BMNH 1947.2.1.37-1947.2.1.46 corresponding to MAS 2571, 2600, 2602, 4818, 5103, 5107, 5119, 5128, 5129, 5176) from Đà Lạt [Dalat] (108°35' E, 11°51' N, alt. 1460 m), Đran [Dran] (108°35' E, 11°51' N, alt. 1150 m), Lang Bian Nui [Lang Bian Peak] (108°30' E, 12°05' N, 1875 m), Tinh Lâm Đông, Vietnam by Smith in 1921. Presently Inger *et al.* (1999) added to the distribution of this species Boun Luoi (alt. 700-750 m), Tram Lap (alt. 900 m) and Kon Cha Rang (alt. 1000-1200 m) near Kannack (108°36' E, 14°20' N) from Tinh Gia Lai, Vietnam. The first record of this species in Thailand appeared in Chan-ard (2003) from two provinces, Nakhon Ratchasima and Ubon Ratchathani. For Thailand, only Nakhon Ratchasima Province (Khao Yai National Park) and Chachoengsao Province (Khao Ang Rui Ni Wildlife Sanctuary) were confirmed by voucher specimens deposited in Paris (MNHN: Muséum National d'Histoire Naturelle, France) and Pathum Thani (THNHM: Thailand Natural History Museum, Thailand), respectively (see Chuaynkern *et al.*, 2004) but no voucher specimens known from Ubon Ratchathani Province. This is a new distribution record of the species, *Rana milleti* Smith, 1921, from Chanthaburi Province confirmed by having voucher specimens.

*Rana milleti* Smith, 1921

*Rana milleti* Smith, 1921: p. 432, pl. II, fig. 2.; Inger *et al.* 1999: p. 20-21; Chan-ard, 2003: p. 130-131; Chuaynkern *et al.* 2004: pp. 1-13, figs. 1&5.

*Rana faber* Ohler *et al.*, 2002: p. 475 (in part).

*Materials examined.*—FMNH 214004-06 and 08, four adult males, Khao Yai National Park, Nakhon Ratchasima Province, Thailand, collected by Doyle L. Damman in 1978; FMHN214007, one adult male, Khao Soi Dao Wildlife Sanctuary, Chanthaburi Province, Thailand, collected by Doyle L. Damman in 26 July 1978.

*Measurement (in mm.).*—SVL 37.65-49.85 (average 41.32±4.98), HW 12-12.8 (average 12.44±0.29), HL 14.2-16 (average 14.8±0.79), EL 4.55-5.35 (average 5.02±0.33), TYD 3.8-4.44 (average 4.08±0.3), HAL 10.4-12.3 (average 10.96±0.8), FL 17-19 (average 18.11±0.72), TL 21.5-22.25 (average 22±0.34) and FOL 20.8-22 (average 21.42±0.43); N=5.

All five specimens are fit to a description in Chuaynkern *et al.* (2004) by the following characters: small size, body slender; dorsal of part of body and hind limbs finely granular with horny spine; dorsal part of forelimbs, ventral part of body and limbs smooth; forelimbs thin and webbing small; nuptial pad on finger I, humeral glands distinct and prominent. Nevertheless they differ slightly in sizes by having shorter SVL than those in Thailand (Khao Yai National Park, Nakhon

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Ratchasima) but in the same body range with those of Vietnam (Langbian Plateau, Dong Thin) (see Chuaynkern *et al.*, 2004).

One specimen examined in FMNH, collection number 214007, clearly indicated the new distribution record in Chanthaburi Province (Khao Soi Dao Wildlife Sanctuary), Southeastern Thailand. This area is also in the same southeastern forest complex with Khao Ang Rui Ni Wildlife Sanctuary that recorded this species before (Chuaynkern *et al.*, 2004). However, the voucher specimens to confirm the more eastern distribution in Ubon Ratchathani Province are still in question.

Acknowledgements.—I would like to thank the Field Museum of Natural History for kindly allowing me to study the specimens in their care.

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### APPENDICES

*Measurement abbreviations.*—SVL: snout vent length. *Head:* HW: head width; HL: head length (from the back of the mandible to the tip of snout); EL: eye length; TYD: greatest tympanum diameter; *Forearm:* HAL: hand length (from the base of the outer palmar tubercle to the tip of the toe); *Hindlimb:* FL: femur length (from vent to knee); TL: tibia length; FOL: foot length (from the base of the inner metatarsal tubercle to the tip of the toe).

*Museum abbreviation.*—BMNH: Natural History Museum, London, United Kingdom; FMNH: the Field Museum of Natural History, Chicago, USA; MAS, Malcolm A. Smith collection.

Received: 28 March 2005

Accepted: 24 May 2005