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ON TWO NEW RATS FROM THE INNER  
GULF OF SIAM.

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During a short visit to Koh Si Chang and Koh Phai, I obtained a number of specimens of *Epimus rattus*, which appears to be the only species of terrestrial mammal inhabiting the two islands other than the squirrels that I have already dealt with in the Journal of this Society.

These rats differ sufficiently from each other and from any named form of *E. rattus* from South-East Asia to make it necessary to describe them. From Flower's notes on the common rats of Bangkok (P. Z. S. 1900, p. 361) it would seem that the animals of that locality are in part of somewhat similar type.

***Epimus rattus portus*, subsp. nov.**

*Type.* Aged male (skin and skull) No. 1941/C B. K. Collected on Koh Si Chang, Inner Gulf of Siam, 27th January, 1915.

*Characters.* A long-tailed race of *E. rattus* of notably yellow and bright colouration.

*Colour.* Above light ochraceous-tawny becoming paler on the sides and limbs and striped (coarsely grizzled) on the dorsal region by the dark tips of flexible pale-based spines and longer dark piles, the latter being most conspicuous on the rump. Base of fur grey.

Under-surface to the bases of the hairs, white, fairly clearly margined, and continuous down the thighs to the hind-feet which are conspicuously pale. Tail dark throughout.

*Skull and Teeth.* Hardly differ from those of mainland animal except that the cranium seems to be rather narrower or more pear-shaped, owing to the closer approximation of the parietal ridges while the sides of the cranium are less vertical.

*Measurements.* Ears of type, 24, of the series, 22-24 mm.

For other measurements see table p. 223.

*Specimens examined.* Thirteen, all from Koh Si Chang.

*Remarks.* The light upper surface closely resembling in colour the back of some races of *surifer* rats markedly separates this form from the much darker, duller mainland animals. This bright back and the pure white under surface seem further to be present at all ages, as young individuals do not differ from adults.

#### ***Epimys rattus poenitentiarii*, subsp. nov.**

*Type.* Adult male (skin and skull) No. 1966/C. B. K. Collected on Koh Phai, Inner Gulf of Siam, 1st February, 1915.

*Diagnosis.* Colour like *E. r. portus* but size rather smaller. Skull like that *E. r. portus* but with bullae markedly smaller and less dilated than is the case both with it and with the mainland animal.

*Measurements.* Ear of type 23, of series 21-23 mm.

For other measurements see table p. 224.

*Specimens examined.* Fifteen all from Koh Phai.

*Remarks.* Besides being a rather less robust animal the conspicuous difference in size and form of bullae compel separation of this animal from that of Koh Si Chang and the mainland.

## MEASUREMENTS OF EPIMYS RATTUS. SUBSP.

Subspecies and Locality	Sex	Head and Body		Tail	Hind-foot	SKULL							No.	Remarks.
						Greatest length	Condylol-basilar length	Diastema	Upper molar row Length	Palatal Foramina	Median Nasal Length	Combined Nasal Breadth		
<i>Epimys rattus portus.</i>														
Koh Si Chang, Inner Gulf of Siam	M	190	217	36	43.5	38.5	12.6	7.3	8.0	16.7	5.0	21.1	1926	Adult
" "	M	195	223	38.5	45.0	39.1	12.3	7.7	8.4	16.3	5.2	19.8	1928	Aged
" "	M	183	194	37	45.0	39.7	12.7	7.8	8.7	16.2	4.8	19.6	1929	"
" "	M	184	214	35	45.3	39.5	12.3	8.0	8.6	17.0	5.1	20.8	1930	"
" "	F	198	214	34	46.0	39.5	12.0	7.8	8.5	18.0	5.4	21.8	1931	Adult
" "	F	190	210	36	44.2	38.6	11.7	7.3	8.2	16.0	4.9	21.1	1933	"
" "	M	199	228	37	47.2	41.4	13.1	7.3	9.4	17.7	5.5	21.7	1941	Type, aged
" "	M	180	214	36	43.8	38.5	11.9	7.3	8.1	15.4	4.9	20.5	1942	Adult
" "	F	185	220	35.5	43.5	38.3	12.1	7.2	8.2	16.5	4.9	20.9	1943	"
" "	F	194	216	36	43.5	38.3	11.7	7.7	8.0	16.1	5.0	21.5	1944	"

MEASUREMENTS OF *EPIMYS RATTUS*. SUBSP.

Subspecies and Locality	Sex	Head and Body	Tail	Hind-foot	SKULL									No.	Remarks
					Greatest length	Condyllo-basilar length	Diastema	Upper molar row	Length Palatal Foramina	Median Nasal Length	Combined Nasal Breadth	Zygomatic Breadth			
<i>Epimys rattus pocnitiarii</i>															
Koh Phai, Inner Gulf of Siam	F	176	208	35	43.0	37.1	11.2	7.7	8.1	16.0	4.4	20.2	1955	Adult	
" "	F	188	209	33	42.8	37.2	11.5	7.2	8.9	16.6	5.0	20.8	1956	"	
" "	M	187	219	35	42.4	37.0	11.0	7.3	8.2	15.9	4.8	20.0	1958	Aged	
" "	M	186	209	36	42.8	37.8	11.3	8.0	8.6	15.8	4.4	19.5	1961	Adult	
" "	M	185	215	36	43.7	38.0	11.8	7.5	8.1	17.2	4.7	20.5	1962	"	
" "	M	209	220	37	43.1	37.3	11.5	7.2	8.1	15.5	4.7	19.9	1964	"	
" "	M	184	206	36	44.0	38.0	11.2	7.6	8.7	16.2	4.5	19.9	1965	"	
" "	M	182	209	36	43.5	37.8	12.0	6.9	9.2	16.7	5.0	20.0	1966	Type, Aged	
" "	M	177	206	35	42.0	36.8	11.1	7.8	8.8	15.2	4.7	20.2	1967	Adult	
" "	F	192	217	36	42.8	37.5	11.1	7.1	8.8	16.0	4.5	19.4	1968	"	