

目 次

まえがき	I
Report of the Society for Researches on Native Livestock No. 18	III
総 説	
Livestock Production System and Constraints to Development of the Livestock Sector in Zambia	
Mutsuyo KADOHIRA and Thomson KALINDA	1
Animal Genetic Resources in the Lao PDR: Current status and production systems	
Bounthong BOUAHOM	11
調査概要	
ラオス在来家畜調査の概要	17
調査結果 I.	
1. Coat-color Variations and Body-measurements of the Native Cattle in Laos	
Takao NAMIKAWA, Takahiro YAMAGATA, Hideyuki MANNEN, Yaetsu KUROSAWA, Masahide NISHIBORI, Yoshio YAMAMOTO, Bounthong BOUAHOM, Tienne VANNASOUK, Boualy SENG DARA, Soukanh KEONOUCHANH, Kaviphone PHOUTHAVONGS, Soulivanh NOVAHA and Bounna PHANNAVONG	37
2. ラオス在来牛の血液蛋白型支配遺伝子構成とその系統遺伝学的研究	
野村こう・高橋幸水・天野 卓・田中和明・山縣高宏・万年英之・黒沢弥悦・西堀正英・山本義雄・並河鷹夫・Tienne VANNASOUK・Boualy SENG DARA・Kaviphone PHOUTHAVONGS・Soulivanh NOVAHA・Bounna PHANNAVONG・Bounthong BOUAHOM	45
3. An Assay for Paternal Gene Flow between the Taurus-type and Indicus-type Cattle in Laos and Vietnam Using Variation in <i>SRY</i> Gene	
Kazuaki TANAKA, Yukio OKADA, Asato KUROIWA, Takahiro YAMAGATA, Takao NAMIKAWA, Takashi AMANO, Hideyuki MANNEN, Yaetsu KUROSAWA, Ken NOZAWA, Masahide NISHIBORI, Yoshio YAMAMOTO, NGUYEN Huu Nam, PHAN Xuan Hao, TRINH Dinh Thau, DANG Vu Binh, CHAU Ba Loc, NGUYEN Dinh Minh, Bounthong BOUAHOM, Tienne VANNASOUK, Boualy SENG DARA, Soukanh KEONOUCHANH, Kaviphone PHOUTHAVONGS, Soulivanh NOVAHA and Bounna PHANNAVONG	59

4. ラオス在来牛における mtDNA の変異とその系統遺伝学的分析	
万年英之・廣本昌己・辻 莊一・黒澤弥悦・西堀正英・山本義雄・岡田幸男・黒岩麻里・山縣高宏・並河鷹夫・Kham KIAO・Phoui SIKSIDAO・Thongsay・Ponh PHET・Bounthong BOUAHOM .....	65
5. Comparison of Hemoglobin- $\beta$ Chain Polymorphisms of the Native Cattle from Laos, Thailand and Vietnam	
Yukio OKADA, Kazuaki TANAKA, Takahiro YAMAGATA, Hideyuki MANNEN, Yaetsu KUROSAWA, Yoshio YAMAMOTO, Takashi AMANO, and Takao NAMIKAWA, Bounthong BOUAHOM, Boualy SENG DARA, Soukanh KEONOUCHANH, Kaviphone PHOUTHAVONGS and Soulivanh NOVAHA .....	75
6. Coat-color Polymorphism in Water Buffaloes of Thailand and Laos	
Ken NOZAWA, Yoshi KAWAMOTO, Takao NAMIKAWA, Shin OKAMOTO, Naoki TSUNEKAWA, Yaetsu KUROSAWA, Yoshio YAMAMOTO, Masahide NISHIBORI and Bounthong BOUAHOM .....	83
7. Measurements of Withers-height of the Water Buffaloes in Laos	
Takao NAMIKAWA, Takahiro YAMAGATA, Hideyuki MANNEN, Yaetsu KUROSAWA, Masahide NISHIBORI, Yoshio YAMAMOTO, Bounthong BOUAHOM, Tienne VANNASOUK, Boualy SENG DARA, Soukanh KEONOUCHANH, Kaviphone PHOUTHAVONGS, Soulivanh NOVAHA and Bounna PHANNAVONG .....	91
8. ラオス在来水牛の血液蛋白型支配遺伝子構成とその系統遺伝学的研究	
高橋幸水・野村こう・天野 卓・田中和明・山縣高宏・万年英之・黒澤弥悦・西堀正英・山本義雄・並河鷹夫・Boualy SENG DARA・Soukanh KEONOUCHANH・Soulivanh NOVAHA・Bounna PHANNAVONG・Bounthong BOUAHOM .....	95
9. Gene-constitution of the Native Goats of Laos	
Ken NOZAWA, Yoshio YAMAMOTO, Masahide NISHIBORI, Takao NAMIKAWA, Takahiro YAMAGATA, Hideyuki MANNEN, Yaetsu KUROSAWA, Khamsing KHOUNSAVATH, Pheum PHONG, Sisouphanh NAKASENE and Bounthong BOUAHOM .....	109
10. ラオス在来山羊における mtDNA の遺伝的分化	
万年英之・永田好彦・辻 莊一・黒澤弥悦・西堀正英・山本義雄・岡田幸男・黒岩麻里・山縣高宏・並河鷹夫・Kham KIAO・Phoui SIKSIDAO・Thongsay・Ponh PHET・Bounthong BOUAHOM .....	121

11. ラオス在来豚の体型・毛色・乳頭数について	
黒澤弥悦・田中一栄・西堀正英・山本義雄・並河鷹夫・Bounthong BOUAHOM	129
12. ラオスにおける豚の飼養形態について	
黒澤弥悦・田中一栄・並河鷹夫・Bounthong BOUAHOM	137
13. Gene Constitution of the Native Pigs in Laos	
Yaetsu KUROSAWA, Kazue TANAKA, Masahide NISHIBORI, Yoshio YAMAMOTO, Ken NOZAWA, Yukio OKADA, Takao NAMIKAWA, Soukanh KEONOUCHANH, Bounna PHANNAVONG, Boualy SENG DARA and Bounthong BOUAHOM	141
14. Molecular Phylogenetic Analysis of the Wild Boars and Native Domestic Pigs in Laos	
Tomowo OZAWA, Mamoru ENDO, Seiji HAYASHI, Tanaka KAZUAKI, Yaetsu KUROSAWA, Soukanh KEONOUCHANH, Boualy SENG DARA, Kaviphone PHOUTHAVONGS, Bounthong BOUAHOM and Takao NAMIKAWA	149
15. Gene Constitution of the Blood Groups and Blood Protein Polymorphisms in the Native Chickens and Red Jungle Fowls of Laos	
Yoshio YAMAMOTO, Fazlollah AFRAZ, Masahide NISHIBORI, Takao NAMIKAWA, Yaetsu KUROSAWA, Hideyuki MANNENN, Takahiro YAMAGATA, Soukanh KEONOUCHANH, Khamsing KHOUNSAVATH, Boualy SENG DARA, Kaviphone PHOUTHAVONGS, Tienne VANNASOUK and Bounthong BOUAHOM	159
16. Blood Protein Polymorphisms of the Laotian Indigenous Ducks	
Hisato OKABAYASHI, Hiroshi KAGAMI, Takahiro YAMAGATA, Hideyuki MANNEN, Yaetsu KUROSAWA, Yoshio YAMAMOTO, Masahide NISHIBORI, Takao NAMIKAWA, Bounthong BOUAHOM, Boualy SENG DARA, Soukanh KEONOUCHANH and Kaviphone PHOUTHAVONGS	171
17. Morpho-genetic Traits and Gene Frequencies of the Lao Cat	
Ken NOZAWA, Yoshi KAWAMOTO, Yukio OKADA, Masahide NISHIBORI, Hideyuki MANNEN, Yoshio YAMAMOTO, Takao NAMIKAWA and Yaetsu KUROSAWA and Bounthong BOUAHOM	179
18. Observation of the Short-tail Traits of the Alley Dogs of Laos	
Takao NAMIKAWA, Takahiro YAMAGATA and Bounthong BOUAHOM	185

19. ラオスにおける野生小型哺乳類の捕獲の試み	
山縣高宏・黒岩麻里・並河鷹夫・Boualy SENG DARA・Soukanh KEONOUCHANH・Bounthong BOUAHOM .....	191
20. ラオスで収集された水牛の木製鈴の比較について	
川田啓介・黒澤弥悦・兼松重任・並河鷹夫・Bounthong BOUAHOM ...	197
21. 国際学術調査報告展「ラオス境界における家畜動物—ヒトとのかかわり」を開催して	
黒澤弥悦 .....	205
調査結果Ⅱ.	
1. Origin of the Ryukyuan Native Pigs Inferred from Mitochondrial DNA Sequences	
Tomowo OZAWA .....	209
2. タイの猫の毛色多型	
川本 芳・野澤 謙 .....	217
3. 日本猫の毛色などの形質に見られる遺伝的多型—第3回集計結果の報告—	
野澤 謙・前田芳実・長谷川洋子・川本 芳 .....	225
研究論文	
日本に残存していることが知られた在来犬3集団，薩摩犬，岩手犬，南大東島犬の遺伝子構成	
田名部雄一・谷脇 理 .....	269
調査結果の公表 .....	279
在来家畜研究会会記 .....	284
あとがき .....	286