

Notes on the Species of *Nazeris* (Coleoptera, Staphylinidae) from Japan, VII

Tateo ITO

E7-303, Otokoyama Yutoku 8, Yawata, Kyoto, 614 Japan

Abstract In addition to the description of a new taxon, *Nazeris okinawanus amamianus*, additional data and distribution maps of the Japanese species belonging to the *optatus* group of *Nazeris* are given.

In recent years, the Japanese species of the genus *Nazeris* have been studied progressively, but the result is still insufficient for elucidating the distribution of all the species.

In the present paper, I am going to add a new subspecies of *N. okinawanus* to the Japanese fauna and to give additional data on the known species belonging to the *optatus* group, which can be recognized from the other species on such characters as the pronotum with a few characteristic long setae, the prosternum clearly carinate to near the apex, the male 7th sternite of abdomen more or less depressed along the middle and bearing a sinuation and/or a pair of tufts at the apical margin, and the body generally of pale coloration. Their distribution maps will be given in Figs. 2–4 to illustrate the results of my study hitherto made on the members of the *optatus* group from the Japanese Islands including the Ryukyus.

Nazeris gotoi ITO

Nazeris gotoi ITO, 1986, Ent. Rev. Japan, 41: 89.

Specimens examined. Amami-Oshima Is., Kagoshima Pref., 1 ♀, Hatsuno, 27–III–1978, S. NAOMI leg.; 2 ♂♂, 1 ♀, same locality, 14–V–1983 and 10–VIII–1984, S. NOMURA leg.; 1 ♀, Chûô Rindô, 18–VI–1980, S. IMASAKA leg.; 1 ♂, Mt. Aburadake, 4–V–1987, S. NOMURA leg.; 1 ♂, 2 ♀♀, Mt. Yuwandake, 11–V–1983 and 5–V–1987, S. NOMURA leg.; 6 ♂♂, 3 ♀♀, Mt. Yuidake, 14~15–V–1983 and 10–VIII–1984, S. NOMURA leg.; 1 ♀, Setouchi, 18–III–1980, S. TANAKA leg.; 1 ♂, 1 ♀, Kominato, 25–XII–1989, Y. SAKAURADANI leg.

Nazeris okinawanus ITO

Nazeris okinawanus ITO, 1986, Ent. Rev. Japan, 41: 91.

Nazeris okinawanus: ROUGEMONT, 1988, Rev. suisse Zool., 95: 775.

This species may be discriminated into two subspecies as follows:

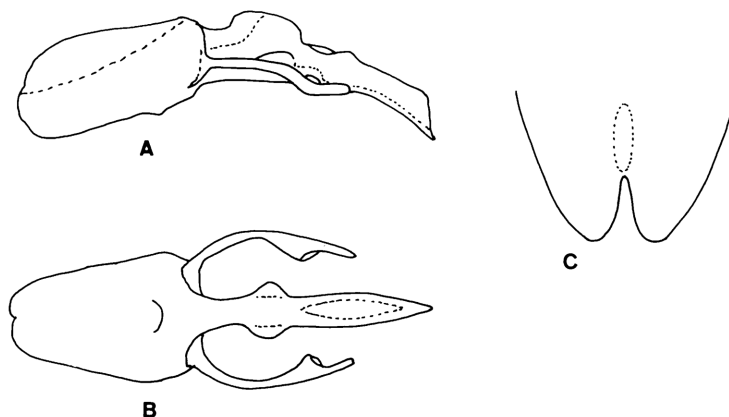


Fig. 1. *Nazeris okinawanus amamianus* subsp. nov.; A, aedeagus in lateral view; B, same in ventral view; C, outline of the 8th sternite in ♂.

Nazeris okinawanus okinawanus ITO

Specimens examined. Okinawa-Hontô Is., Okinawa Pref., 1 ♀, Motobu, 13-III-1978, S. NAOMI leg.; 4 ♂♂, 4 ♀♀, Yona, 12 & 15-III-1985, 20-IV-1986 and 12-X-1988, S. NOMURA leg.; 1 ♂, 2 ♀♀, Mt. Yonahadake, 31-XII-1976, H. OHISHI leg. and 20-X-1987, Y. NISHIKAWA leg.; 2 ♀♀, Mt. Nagodake, 30-XII-1976, H. OHISHI leg.; 1 ♂, Mt. Terukubi, 15-III-1985, S. NOMURA leg.; 6 ♂♂, 2 ♀♀, Ie-Rindô, 14-III-1985, 22-IV-1986 and 11-X-1988, S. NOMURA leg.

Nazeris okinawanus amamianus subsp. nov.

(Fig. 1)

The present subspecies is different from the nominotypical subspecies in the following points: the apophyses of aedeagus slightly stouter and more arcuately expanded externally, the head and pronotum proportionally wider, the postgenae less convergent behind, the body slightly robuster, wholly darker in color and a little larger in size, the length from the base of labrum to the apex of eighth abdominal segment 5.1–5.4 mm (4.7–5.2 mm in the nominotypical subspecies).

Holotype: ♂, Tete, Tokunoshima Is., Kagoshima Pref., 4-V-1988, S. NOMURA leg. (Type No. CBM-ZI 33065, Natural History Museum and Institute, Chiba). *Paratypes:* 1 ♂, Inokawadake, Tokunoshima Is., Kagoshima Pref., 2-V-1988, S. NOMURA leg.; 2 ♀♀, Inutabudake, Tokunoshima Is., Kagoshima Pref., 3-V-1988, S. NOMURA leg.

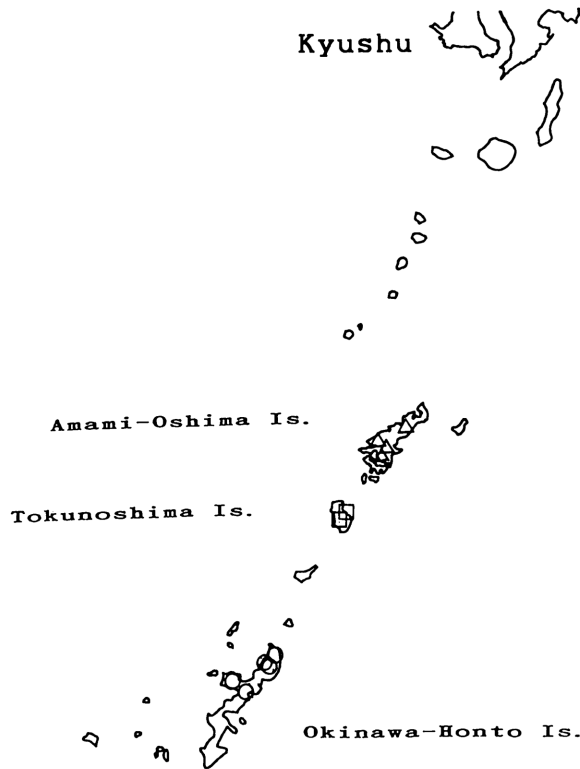


Fig. 2. Map showing the distribution of the group of *Nazeris optatus* in the Ryukyu Islands; Δ - *Nazeris gotoi*, \square - *N. okinawanus amamianus*; \circ - *N. okinawanus okinawanus*.

Nazeris hikosanus ITO

Nazeris hikosanus ITO, 1991, Ent. Rev. Japan, 46: 7.

Specimens examined. 4 ♂♂, 3 ♀♀, Mt. Hiko, Fukuoka Pref., 4-IX-1977, H. OHISHI leg.; 4 ♀♀, same locality, 21-V-1986, S. NOMURA leg.; 4 ♀♀, Shin'yabakei, Ōita Pref., 30-III-1985, S. NOMURA leg.; 5 ♂♂, 4 ♀♀, Mt. Sobo, Ōita Pref., 23-VII-1983, 4-V-1984 and 17-V-1986, S. NOMURA leg.; 1 ♂, 2 ♀♀, Mt. Kurodake, Kujū, Ōita Pref., 3-IX-1982 and 28-V-1986, S. NOMURA leg.; 1 ♀, Hazama, Ōita Pref., 5-XI-1985, A. MIYATA leg.; 1 ♀, Karishuku, Ōita Pref., 19-II-1985, A. MIYATA leg.; 5 ♂♂, 7 ♀♀, Mt. Ohkue, Miyazaki Pref., 8-X-1984, S. NOMURA leg.; 2 ♂♂, 5 ♀♀, Mt. Ichifusa, Kumamoto Pref., 12~13-V-1985 and 1~2-VIII-1988, S. NOMURA leg.; 1 ♂, 2 ♀♀, Hiyoshi, Kumamoto Pref., 15-X-1977, H. OHISHI leg.; 2 ♂♂, 3 ♀♀, Nagahama, Shimokoshiki Is., Kagoshima Pref., 16-X-1976, H. OHISHI leg.; 5 ♂♂, 3 ♀♀, Omogokei, Ehime Pref., 29-IV & 1-V-1989, T. ITO leg.; 11 ♂♂, 3 ♀♀, Saragamine, Ehime Pref., 1-V-1989, T. ITO leg.; 10 ♂♂, 8 ♀♀, Okudôgo, Ehime Pref., 2-V-1989, T. ITO leg.; 2 ♂♂, 6 ♀♀, Mt. Odami, Ehime Pref., 13~14-VIII-1991 and 12~13-

VI-1992, I. OKAMOTO leg.; 4 ♂♂, 3 ♀♀, Mt. Takanawa, Ehime Pref., 14-IV, 6-V, 1-VI, 24 & 31-VIII-1991, I. OKAMOTO leg.; 4 ♂♂, Houjô, Ehime Pref., 27-VII & 9-XI-1991, I. OKAMOTO leg.; 4 ♂♂, Nibukawa Spa, Ehime Pref., 18-V, 16-VIII and 22-IX-1991, I. OKAMOTO leg.; 1 ♂, Kikumachô, Ehime Pref., 20-IX-1991, I. OKAMOTO leg.; 12 ♂♂, 23 ♀♀, Ashizuri, Kôchi Pref., 5~7-V-1988, T. ITO leg.

Nazeris hisamatsui ITO

Nazeris hisamatsui ITO, 1991, Ent. Rev. Japan, 46: 8.

Specimens examined. 1 ♂, Tara, Fujitsugun, Saga Pref., 14-V-1985, S. NOMURA leg.; 1 ♀, Buzenbô, Fukuoka Pref., 30-IV-1983, S. NOMURA leg.; 2 ♂♂, 2 ♀♀, Mt. Hiko, Fukuoka Pref., 8-VIII-1977, S. NAOMI leg.; 3 ♂♂, 2 ♀♀, Mt. Kurodake, Kujû, Ôita Pref., 28~29-IV & 15-IX-1985 and 28-V-1986, S. NOMURA leg.; 1 ♂, Mt. Hakuchô, Kumamoto Pref., 27-V-1978, T. OGATA leg.; 2 ♂♂, same locality, 17-XI-1980, H. TAKEMOTO leg.; 4 ♂♂, 2 ♀♀, same locality, 30-V-1985 and 5-IV-1987, S. NOMURA leg.; 2 ♀♀, Mt. Daikinbou, Kumamoto Pref., 18-X-1988, S. NAOMI leg.; 2 ♂♂, Mt. Ishizuchi, Ehime Pref., 3-VIII-1977, N. TSURUSAKI leg.; 1 ♂, same locality, 16-VI-1981, S. NAOMI leg.; 3 ♂♂, 1 ♀, same locality, 14 & 21-VII-1991 and 27-IV-1992, I. OKAMOTO leg.; 1 ♀, Omogokei, Ehime Pref., 15-VI-1981, S. NAOMI leg.; 1 ♂, 1 ♀, Mt. Odami, Ehime Pref., 13 & 19-VI-1992, I. OKAMOTO leg.; 18 ♂♂, 6 ♀♀, Mt. Tsurugi, Tokushima Pref., 15~17-X-1980 and 19~20-VI-1981, S. NAOMI leg.

Nazeris omogonis ITO

Nazeris omogonis ITO, 1991, Ent. Rev. Japan, 46: 10.

Specimens examined. 5 ♂♂, 3 ♀♀, Mt. Odami, Ehime Pref., 13 & 14-VI-1992, I. OKAMOTO leg.; 4 ♂♂, 2 ♀♀, Mt. Takanawa, Ehime Pref., 1-VI & 6-VII-1991 and 31-V-1992, I. OKAMOTO leg.; 1 ♂, Okudôgo, Ehime Pref., 15-VI-1991, I. OKAMOTO leg.

Nazeris pacificus ITO

Nazeris pacificus ITO, 1990, Ent. Rev. Japan, 45: 99.

No additional records.

Nazeris shibatai ITO

Nazeris shibatai ITO, 1990, Ent. Rev. Japan, 45: 97.

Specimens examined. 7 ♂♂, 3 ♀♀, Mt. Iwawaki, Osaka Pref., 30-IV-1986, T. ITO leg.; 2 ♀♀, Kawachinagano, Osaka Pref., 27 & 28-X-1984, M. YASUI leg.; 8 ♂♂, 7 ♀♀, Mt. Kasuga, Nara Pref., 15-XI-1987, 30-X-1988 and 22-I-1989, S. TAKAHASHI leg.; 1 ♀, Hasedera, Nara Pref., 14-IV-1959, T. SHIBATA leg.; 3 ♂♂, 1 ♀, same locality,

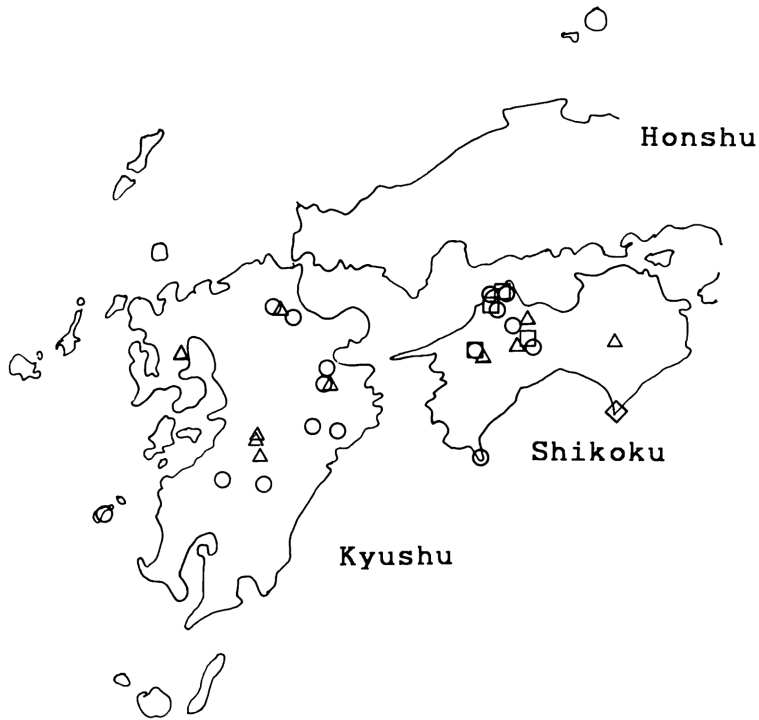


Fig. 3. Map showing the distribution of the group of *Nazeris optatus* in Kyushu and Shikoku;
 ○ - *Nazeris hikosanus*, △ - *Nazeris hisamatsui*, □ - *Nazeris omogonis*, ◇ - *Nazeris pacificus*.

22-VIII & 20-XI-1966, T. ITO leg.; 16 ♂♂, 16 ♀♀, Tōnomine, Nara Pref., 13-VII-1985 and 5-V & 12-X-1986, T. ITO leg.; 5 ♂♂, 6 ♀♀, Murooji, Nara Pref., 10-X-1984, T. ITO leg.; 3 ♂♂, Onoji, Nara Pref., 10-X-1984, T. ITO leg.; 6 ♂♂, 11 ♀♀, Imoyama, Nara Pref., 2-VI & 15-IX-1984, T. ITO leg.; 1 ♂, Mt. Yoshino, Nara Pref., 20-X-1984, M. YASUI leg.; 5 ♂♂, 3 ♀♀, same locality, 27-V-1985, S. NOMURA leg.; 13 ♂♂, 7 ♀♀, Dorogawa, Nara Pref., 1-V-1985, T. ITO leg.; 3 ♂♂, 2 ♀♀, Mt. Inamura, Nara Pref., 11-VI-1993, T. ITO leg.; 8 ♂♂, 10 ♀♀, Mt. Kohjin, 30-VI-1968, 17 & 18-VII and 19-VIII-1976, T. ITO leg.; 1 ♂, Ohdaigahara, Nara Pref., 2-VIII-1967, H. NOMURA leg.; 1 ♀, same locality, 25~26-VI-1981, S. NAOMI leg.; 1 ♀, Akame, Mie Pref., 24-IX-1984, T. ITO leg.; 4 ♂♂, 4 ♀♀, Mt. Kuroso, Mie Pref., 2-X-1993, T. ITO leg.; 1 ♂, Hirakura, Mie Pref., 8-IX-1957, K. ISHIDA leg.; 7 ♂♂, 10 ♀♀, same locality, 2-X-1993, T. ITO & K. MIZUNO leg.; 2 ♂♂, 4 ♀♀, Mt. Asama, Ise, Mie Pref., 20-X-1990 and 4-XII-1993, T. ITO leg.; 18 ♂♂, 17 ♀♀, Mt. Aomine, Toba, Mie Pref., 27-VIII-1984, T. ITO leg.; 11 ♂♂, 8 ♀♀, Tamagawakyō, Wakayama Pref., 24 & 25-VIII-1985, T. ITO leg.; 2 ♂♂, 4 ♀♀, Mt. Gomanodan, Wakayama Pref., 22~23-VI-1981, S. NAOMI leg.; 26 ♂♂, 9 ♀♀, Mt. Ohtō, Wakayama Pref., 28~29-VI-1981, S. NAOMI leg.; 1 ♂, Mt. Nachi, Wakayama Pref., 16-V-1964, M.

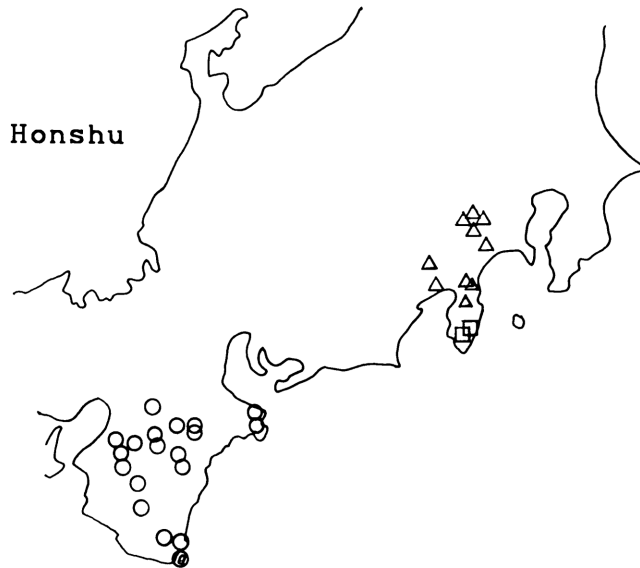


Fig. 4. Map showing the distribution of the group of *Nazeris optatus* in Honshu; ○ – *Nazeris shibatai*, △ – *Nazeris optatus*, □ – *Nazeris watanabei*.

YASUI leg.; 4 ♂♂, 5 ♀♀, same locality, 21–VII–1984 and 20–VII–1985, T. ITO leg.; 1 ♂, Kii-Ōshima Is., 4–V–1962, H. NOMURA leg.

Nazeris optatus (SHARP)

Mesunius optatus SHARP, 1889, Ann. Mag. nat. Hist., (6), 3: 322.

Nazeris optatus: BERNHAUER & SCHUBERT, 1912, Coleopt. Cat., Staphylinidae III, 212; KOCH, 1939, Ent. Bl., 35: 160; SCHEERPELTZ, 1957, Kol. Rdsch., 35: 20; ADACHI, 1955, J. Toyo Univ., (7): 17; 1957, *ibid.*, (11): 189; SHIBATA, 1977, Annual Bull. Nichidai Sanko, (20): 31; ITO, 1990, Ent. Rev. Japan, 45: 67.

Specimens examined. 1 ♂, 4 ♀♀, Ōhito Spa, Shizuoka Pref., 4–XI–1991, T. ITO leg.; 2 ♀♀, Mt. Kamiyama, Hakone, Kanagawa Pref., 30–VI–1983, Y. WATANABE leg.; 3 ♂♂, Sengokubara, Hakone, Kanagawa Pref., 25–X–1985, S. NOMURA leg.; 1 ♂, Mt. Sōunzan, Hakone, Kanagawa Pref., 28–III–1990, T. ITO leg.; 14 ♂♂, 6 ♀♀, Mt. Mitake, Tokyo Metr., 12–VIII–1990 and 1–V–1991, T. ITO leg.; 1 ♂, 1 ♀, Fureoka, Ōtsuki, Yamanashi Pref., 23–V–1982, Y. WATANABE leg.; 7 ♂♂, 16 ♀♀, Mt. Daibosatsu, Yamanashi Pref., 15–18–VII–1982, S. NAOMI leg.; 15 ♂♂, 5 ♀♀, Aokigahara, Mt. Fuji, Yamanashi Pref., 23–VII–1984 and 29–VIII–1987, S. NOMURA leg.

Nazeris watanabei ITO

Nazeris watanabei ITO, 1990, Ent. Rev. Japan, 45: 70.

Specimen examined. 1 ♂, Amagi Pass, Izu, Shizuoka Pref., 23–VII–1982, S.

NAOMI leg.

In closing this brief paper, I would like to express my indebtedness to all the gentlemen whose names are printed in the sections of type and specimens examined in a series of papers entitled “Notes on the species of *Nazeris* from Japan” inclusive of the present one.

要 約

伊藤建夫：日本産 *Nazeris* 属ハネカクシについて。VII。——日本産 *Nazeris* 属の研究は近年になって進展したが、まだ全貌を明らかにするにはいたっていない。本論文は、この属のハネカクシのうち、前胸背板に数本の長剛毛があり、雄第7腹板に切り込みや毛束があるなどの特徴をもつ *optatus* 群について、今までのデータを追加報告した。そのうち徳之島産のものは、沖縄産のものに類似するが、雄交尾器に差異を認めたので *Nazeris okinawanus amamianus* subsp. nov. として記載し、また *optatus* 群の全種についての分布図を示した。

References

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