Pholcus sokkrisanensis Paik, 1978

Paik, K. Y. 1978. The Pholcidae (Araneae) of Korea. Educational Journal Kyungpook Univ. 20(1978): 113-135.

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Pholcus sokkrisanensis sp. nov.
(Figs. 39—46)

Measurements(mm.). *Male*(Holotype): BL—5.43, CL—1.62, CW—1.62, LBL +SL—1.22, LBW—0.34, SW—1.10, EDW—0.20, AER—0.75, PER—0.83, AL—3.64, AW—1.43. Leg I 48.18(12.50, 0.74, 12.80, 20.23, 2.21), II 33.04(9.27, 0.74, 8.68, 13.09, 1.55), III 22.44(6.55, 0.59, 5.59, 8.68, 1.18), IV 29.72(8.68, 0.59, 7.65, 11.55, 1.40). Palp 2.37(0.67, 0.38, 0.90, 0.42).

Female(Allotype): BL—5.44, CL—1.51, CW—1.47, LBL+SL—1.02, LBW—0.31, SW—1.02, EDL—0.51, EDW—0.20, AER—0.58, PER—0.62, AL—3.76, AW—1.80. Leg I 34.42(8.38, 0.59, 8.83, 14.42, 2.35), II 23.97(6.47, 0.66, 6.11, 9.41, 1.47), III 17.21(4.85, 0.59, 4.27, 6.47, 1.18), IV 23.76(6.77, 0.59, 6.03, 9.05, 1.47). Palp 1.18(0.33, 0.18, 0.23, 0.44).

Description. *Male*(Holotype): Carapace as long as the width, pale yellow with brownish gray dorsal marking as in the *P. crypticolens*. Eight eyes arranged in three groups. Anterior median eyes dark and smallest, the rest pearl-white and subequal in size. Eye ratio, AME<ALE=PLE<PME(11 : 14 : 14 : 15). Anterior median eyes separated from each other by slightly less than their radius, from lateral eyes by 0.18 times their diameter. Posterior median eyes separated from each other by 1.27 times their diameter, from lateral eyes by one-fifteenth their diameter. Median ocular quadrangle wider behind than in front (40 : 24), and wider than long(40 : 27). Anterior eyes row slightly recurved in frontal view. Posterior eyes row recurved. Anterior eyes row shorter than the posterior ones. The eye row index 90. Chelicerae brown, armed with three teeth-like

prominences on the front, and a tooth on the inner margin of fang-furrow. Endites brownish yellow; longer than the width, the index 39 : they contact at the distal end each other. Labium fused to sternum. Sternum yellow in back ground, with smoky patches; widest at between 2nd and 3rd coxae; the end broadly protruded, but not extending between 4th coxae. Legs brown in ground color with faint yellow annulations on the femora and tibiae. Leg formula 1,2, 4,3. Leg formular index 100 : 69 : 47 : 62. Leg I/C 29.75. Femur I/C 7.72. Abdomen cylindrical, the index 39 ; pale-yellowish gray with brownish gray dots.

Male palp: The uncus birds-head-shaped in profile; without appendix, The embolus yellow. The prokursus dark reddish brown.

Female(Allotype). Carapace slightly longer than the width, the index 97. Anterior median eyes separated from each other by about one-third of their diameter, and from the lateral eyes by two-fifths their diameter. Posterior median eyes separated from each other by 1.2 times their diameter, and from lateral eyes one-seventh their diameter. Median ocular quadrangle wider behind than in front(35:20), and wider than the length(35:24). Eye row index 94. Endites almost contact at the distal end. Legs shorter and weaker than those of the male. Leg I/C 22.79. Femur I/C 5.55. Epigynum as shown in figs. 44 and 45.

Specimens examined. *Holotype*: ♂, 27—Ⅶ—1961, Mt. Sokkri, Collected by Kap Yong Paik. *Allotype*: ♀, 22—Ⅶ—1961, Mt. Sokkri, Collected by Chang Whan Lee. *Paratype*: Mt. Sokkri(3♂♂, 3♀♀, 24—Ⅶ—1961, 1♀, 21—Ⅶ—1961. 1♀, 22—Ⅶ—1961, K.Y.Paik; 2♂♂, 5♀♀, 24—Ⅶ—1961, Y.K.Kim; 1♂, 1♀, 21—Ⅶ—1961, J.C.Park; 1♂, 24—Ⅶ—1961, J.S.Heu; 1♀, 23—Ⅶ—1961, C.Choi; 1♀, 24—Ⅶ—1961, S.M.Lee; 1♀, 24—Ⅶ—1961, D.H.Choi; 1♀, 24—Ⅶ—1961, E.J.Kwon; 1♀, 24—Ⅶ—1961, H.S.Lee; 2♀♀, 24—Ⅶ—1961, M.J.Park).

Diagnosis. Present species similar to *P. crypticolens* in the marking of carapace. Present species, however, easily distinguishable by the shape of uncus and trochanter of male palp. Present species very resembles to *P. extumidus*. The former, however, is distinguishable from the latter by the spur of trochanter of male palp fork off into two branches, and by the shape of uncus of male organ.

39. *Pholcus sokkrisanensis sp. nov.*, Male palp, Left, ectal view.
40. Same, Male palp, Left, frontal view.
41. Same, Uncus, embolus and bulb, Left, ectal view.
42. Same, Trochanter of male palp, Left, ventral view.
43. Same, Chelicera, Male, Right, frontal view.
44. Same, Epigynum.
45. Same, Epigynum, lateral view.
46. Same, Genitalia, inner view.

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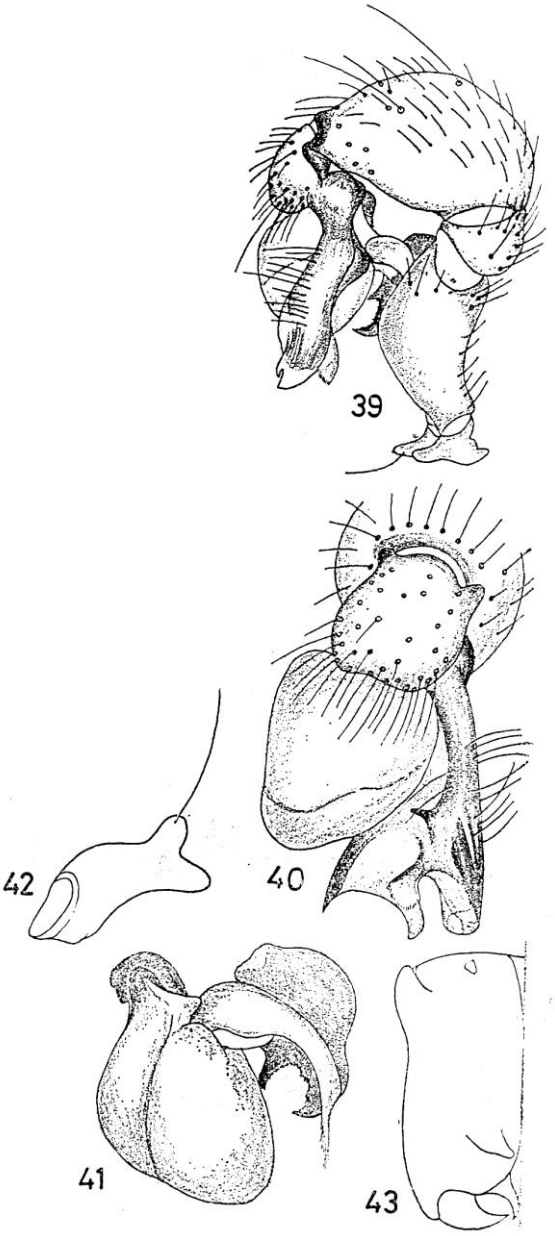

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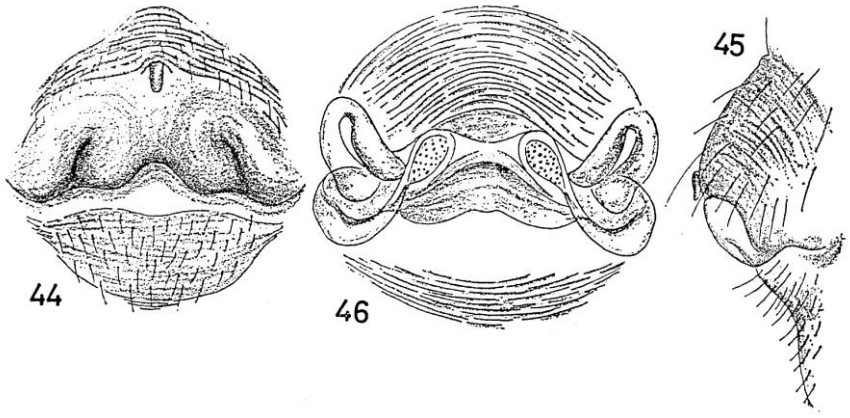

Namkung, J. 2003. The Spiders of Korea. Kyo-Hak Publishing Corporation, Seoul. 648 pp.

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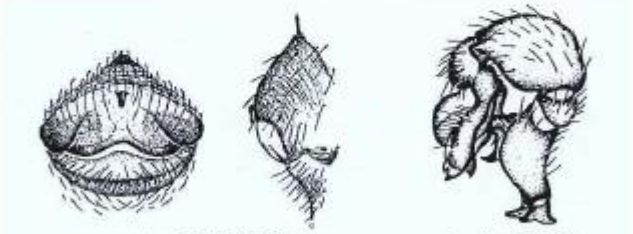
5-8 속리유령거미

Pholcus sokkrisanensis Paik 1978

속리유령거미(♀)

속리유령거미(♂)



a~b. ♀ 외부 생식기 c. ♂ 교접 기관

배갑은 길이와 너비가 거의 같고, 연한 노란색 바탕에 회갈색 얼룩무늬가 가슴 전면에 퍼져 있다. 위턱은 갈색이며, 앞끝 돌기는 이빨 모양이다. 가슴판은 노란색 바탕에 불규칙한 검은 반점이 있다. 다리는 갈색 바탕에 노란색 고리무늬가 넓적다리마디와 종아리마디에 있다. 배는 긴 타원형으로 회황색 바탕에 회갈색 점무늬가 있다. 수컷 더듬이다리 도래마디 돌기의 끝은 두 갈래로 되었다. 산지성으로 바위 밑이나 돌담 벽 등에 산다.

- 몸 길이
  ♀, ♂ 5.5mm 내외
- 출현 기
  5~8월
- 분포
  한국(고유종)
- 모식 산지
  충북 보은군 속리산(俗離山)

Huber, B. A.

2011. Revision and cladistic analysis of *Pholcus* and closely related taxa (Araneae, Pholcidae). Bonner zool. Monographien 58: 1-510.

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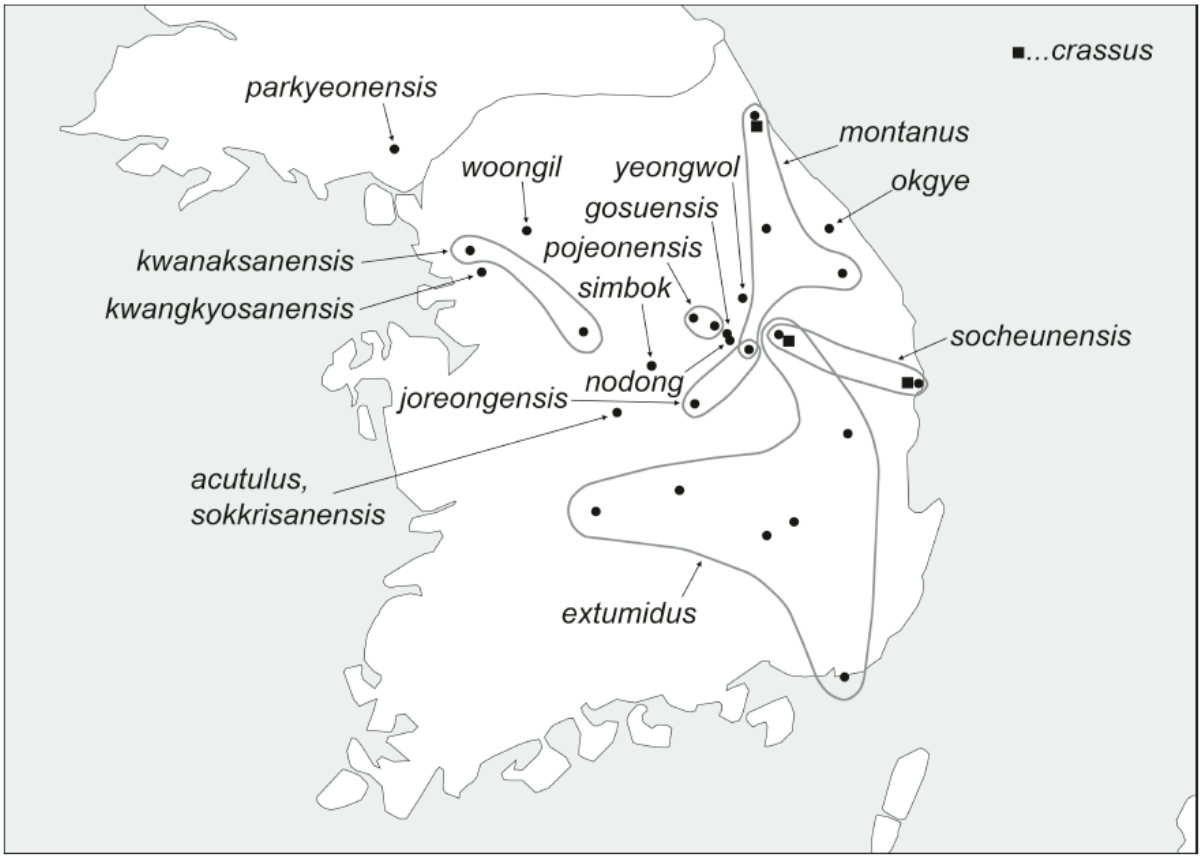

FIG. 2217. Known distribution of Korean representatives of the *Pholcus phungiformes* species group.