

***Pholcus extumidus* Paik, 1978**

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

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***Pholcus extumidus* sp. nov.**

(Figs. 47-54)

Measurements(mm.). *Male*(Holotype): BL-6.03, CL-1.88, CW-1.72, LBL+SL-1.18, LBW-0.36, SW-1.20, EDL-0.72, EDW-0.23, AER-0.71, PER

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-0.76, AL-4.13, AW-1.72. Leg I 52.91(13.45, 0.74, 13.97, 22.25, 2.72), II 34.05(9.56, 0.59, 8.97, 13.68, 1.47), III 23.47(6.77, 0.66, 6.03, 9.05, 1.18), IV 31.41(9.12, 0.66, 8.24, 12.14, 1.47). Palp 2.92(0.82, 0.41, 1.23, 0.46).

Female(Allotype): BL-5.61, CL-1.47, CW-1.41, LBL+SL-1.13, LBW-0.33, SW-1.02, EDL-0.49, EDW-0.21, AER-0.61, PER-0.67, AL-3.94, AW-2.53. Leg I 30.95(8.03, 0.66, 8.43, 13.53, 2.12), II 20.66(6.06, 0.66, 5.76, 7.93, 1.36), III 15.91(4.75, 0.61, 4.19, 6.16, 1.06), IV 21.78(6.42, 0.61, 5.86, 8.69, 1.26). Palp 1.36(0.41, 0.17, 0.26, 0.46). Epigynum L-0.97, W-1.13.

Description. *Male*(Holotype): Carapace slightly longer than the width in the ratio 100:91; coloration and pattern similar to *P. crypticolens*. Eye ratio, AME<PME<ALE=PLE(12:14:15:15). Eye row index 93. Both eyes row recurved respectively. Anterior median eyes separated from each other by one-sixth of their diameter, from lateral eyes by 0.4 times their diameter. Posterior median eyes separated by 1.4 times their diameter, from lateral eyes by one-seventh their diameter. Median ocular quadrangle wider behind than in front, in the ratio 42:24, and wider than the length in the ratio 42:28. Clypeus 4.8 times the diameter of anterior median eye. Chelicerae brown, armed with tooth like projection as shown in fig. 51. Endite, labium and sternum yellow-brown, the latter with dark pattern. Endites contact at the front of labium. Endite index 32. Legs brown in ground color, with faint yellow annulation on the femora and tibiae. Leg formula 1,2,4,3; leg formular index 100:64:44:59. Leg I/C 28.14. Femur I/C 7.15. Abdomen cylindrical, the length is 2.4 times the width (abdominal index 42); pale-yellowish gray with brownish gray pattern.

Male palp: The uncus serrated leaf shape. Embolus brownish yellow, the tip hairy. Prokursus as shown in figs. 47 & 48. Trochanter of male palp as shown in fig. 50., with a long bristle.

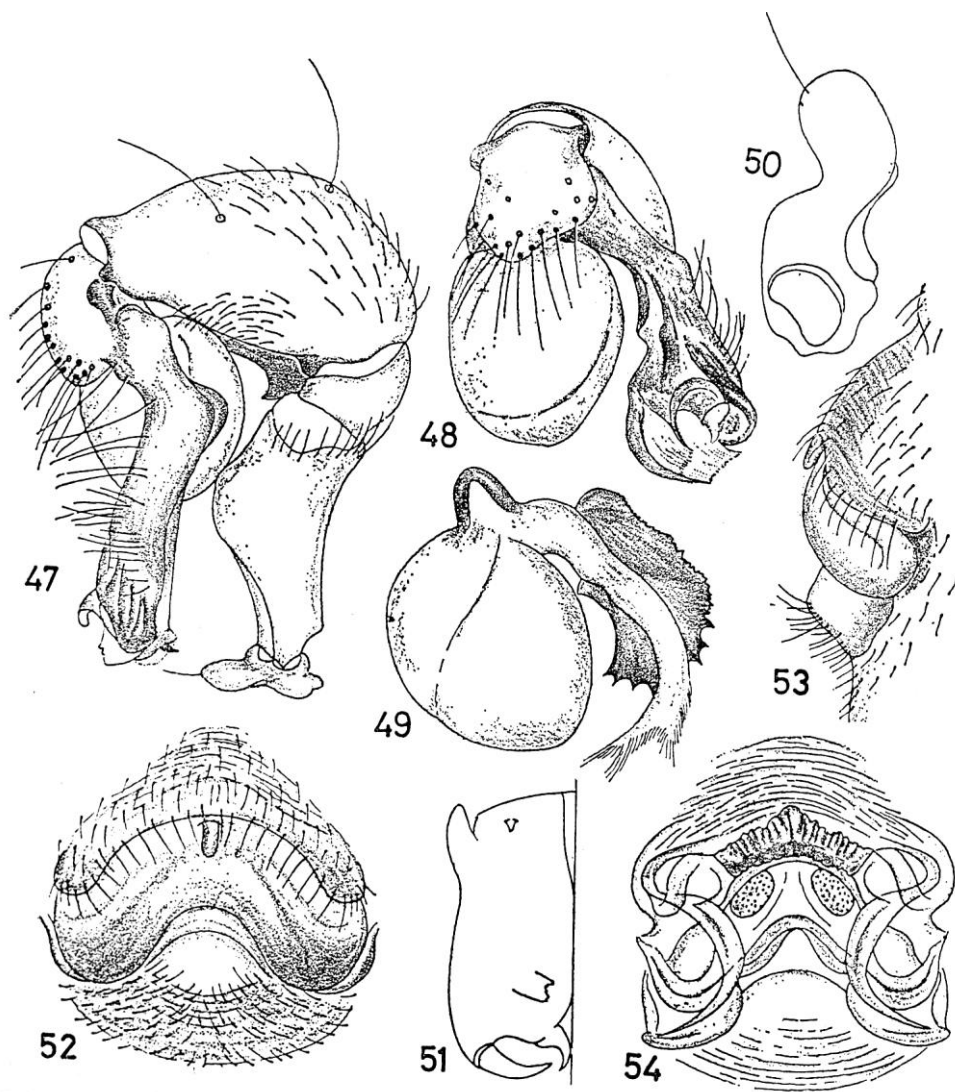
Female(Allotype): Carapace index 96; coloration and pattern are same as the male. Eye ratio, AME<PME<ALE=PLE(10:12:14:14). Eyes of anterior row equidistantly by one-fifth the diameter of anterior median eye. Posterior median eyes separated from each other by 1.25 times their diameter, from lateral eyes by one-sixth their diameter. Epigynum glossy light brown, the structure as shown in fig. 52.

Specimens examined. *Holotype*: ♂, 9-X-1959, Mt. Kaya(at 700 meter above sea level), Collected by Kap Yong Paik. *Allotype*: ♀, Date, locality and collector are same as holotype. *Paratype*: Gachang, Taegu city(1♀, 17-V-1958, 1♀, 23-V-1959, K.Y.Paik), Dodong, Taegu city(1♀, 12-V-1973, K.Y.Paik), Dongwha-sa, Mt. Pargong(1♂, 2-IV-1977, 1♀, 8-V-1977, 1♀, 1♂, 23-V-1977, 2♀♀, 27-V-1977, 2♂♂, 6-VII-1977, 38♀♀, 4♂♂, 17-18-VII-1977,

9♀♀, 6—VIII—1977, 15♀♀, 6♂♂, 11—VIII—1977, 9♂♂, 26—VIII—1977, 14♀♀, 11♂♂, 3 subad. ♂, 11—IX—1977, 2♀♀, 5♂♂, 1Y♂, 17—IX—1977, 5♂♂, 22—IX—1977, 6♂♂, 21—X—1977, Yeung Mun Shin; 4♂♂, 21—IX—1952, M.J.Lee; 3♀♀, 1♂, 1Y♂, 14—VII—1958, 7♀♀, 21—X—1958, 1♀, 28—V—1964, 5♀♀, 27—VIII—1964, 3♀♀, 13—VIII—1956, K.Y.Paik, 1♂, 26—VII—1975, J.S.Son), Page-sa, Mt. Pargong(6♀♀, 26—VII—1975, J.S.Son); Gucheun-dong, Muju, Chungpook(1♀, 7—X—1974, K.Y.Paik), Yeungyang-myeon, Kyungpook(2♀♀, 8—V—1964, K.Y.Paik.) Mt. Ilwol(3♀♀, 11—VIII—1962, M.H.Yim; 3♀♀, 11—VIII—1962, E.I.Paik; 9♀♀, 27—VII—1973, K.Y.Paik), Socheun, Bongwha-gun, Kyungpook(1♀, 15—VII—1964, K.Y.Paik), Wolmeri, Heun-dong-myeon, Cheongsong-gun, Kyungpook(1♀, 24—VII—1958, E.I.Paik; 3♀♀, 11♂♂, 4—X—1959, 1♀, 1Y♀, 1♂, 13—V—1961, K.Y.Paik), Jikchi-sa(4♀♀, 2♂♂, 10—VII—1962, E.I.Paik; 1♀, 11—VIII—1965, 1♂, 5—VII—1966, 1♀, 2♂♂, 23—VII—1968, K.Y. Paik), Kimcheun City(1♀, 15—VIII—1963, H.S.Cheon), Bogeung-sa, Cheungha-myeon, Yeungil-gun, Kyungpook(2♀♀, 26—VIII—1977, B.K.Seu), Whaeum-sa, Mt. Jiri(4♀♀, 1♂, 4—VIII—1959, 1♀, 10—VIII—1959, I.W.Kim; 2♀♀, 4—VIII—1958, S.H.Park; 51♀♀, 16♂♂, 26—31—VII—1963, K.Y.Paik). Nogodan, Mt. Jiri(1♀, 5—VIII—1959, I.H.Kim; 1♀, 5—VIII—1959, Y.K.Kim), Haein-sa, Mt. Kaya(13♀♀, 11—X—1958, 14♀♀, 7Y♀♀, 17♂♂, 6 subad. ♂♂, 9—11—X—1959, 1♀, 30—V—1960, 13♀♀, 6Y♀♀, 3♂♂, 5—VIII—1960, 13♀♀, 17—VII—1962, 2♂♂, 17—VII—1963, 9♀♀, 2Y♂♂, 28—VIII—1968, 5♀♀, 4Y♀♀, 10—X—1969, 24♀♀, 6Y♀♀, 8♂♂, 3Y♂♂, 10—VIII—1970, 3♂♂, 3Y♂♂, 15—X—1977, K.Y.Paik; 1♀, 6—VIII—1960, T.K.Park; 18♀♀, 3Y♀♀, 2♂♂, 3Y♂♂, 28—VIII—1968, E.Hu), Pyochung-sa, Milyang-gun, Kyungnam(3♀♀, 23—VII—1964, K.Y.Paik), Mt. Keumjeung-san, Pusan City(1♀, 6♂♂, 1—VIII—1974, 4♀♀, 4♂♂, 9—X—1974, 1♀, 13—IV—1975, 1♀, 7Y♀♀, 1♂, 5—V—1975, 3♀♀, 3Y♀♀, 3♂♂, 11—V—1975, 6♀♀, 6♂♂, 2—VII—1975, 16♀♀, 2Y♀♀, 24—VII—1975, 1♂, 3Y♂♂, 29—VII—1975, 5♀♀, 11♂♂, 20—VII—1975, 19♀♀, 1♂, 1—2—VIII—1975, J.H.Kim).

Diagnosis. Present species has a resemblance to *P. crypticolens* having a complicated pattern on the carapace. However, it clearly differs from the latter for the structure of palpal organ, epigynum and genitalia. Present species is easily distinguishable for the structure of palpal organ, epigynum and genitalia from all other species belonging to the genus which has complicated pattern on the carapace.

47. *Pholcus extumidus* sp. nov., Male palp, Left, ectal view.
48. Same, Male palp, Left, frontal view.
49. Same, Uncus, embolus and bulb, Left, ectal view.
50. Same, Trochanter of male palp, Left, ventral view.
51. Same, Chelicera, Male, Right, frontal view.
52. Same, Epigynum.
53. Same, Epigynum, lateral view.
54. Same, Genitalia, inner view.



5-4 엄지유령거미

Pholcus extumidus Paik 1978



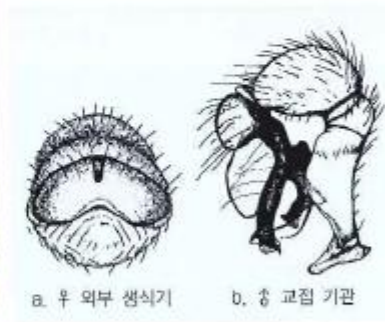
엄지유령거미(♀)



짜짓기



엄지유령거미(♂)



a. ♀ 외부 생식기

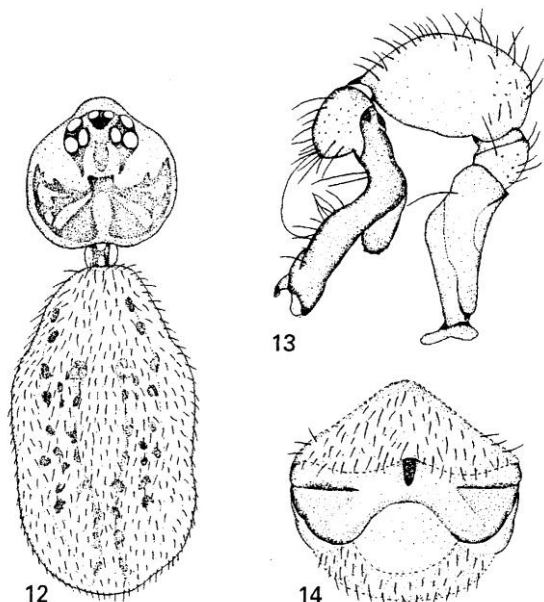
b. ♂ 교집 기관

배갑은 황갈색 바탕에 정중선에서 나누어진 암갈색 무늬가 전면부에 퍼져 있다. 위턱은 갈색으로 앞끝돌기의 끝이 뚜렷이 갈라졌다. 가슴판은 황갈색 바탕에 검정무늬가 얼룩져 있다. 다리는 갈색으로 넓적다리마디와 종아리마디에 노란색 고리무늬가 있다. 배는 원동형으로 길쭉하며, 황갈색 바탕에 회갈색 얼룩무늬가 있다. 야외성으로 산야 초목, 동굴 입구 쪽 등에서 보인다.

- 몸 길이
♀ 5.6mm 내외
♂ 6mm 내외
- 출현 기
5~9월
- 분포
한국, 일본(쓰시마)
- 모식 산지
경남 합천군 가야산
(伽倻山)

Irie, T. 2009. Pholcidae. In: Ono, H. (ed.) *The Spiders of Japan, with Keys to the Families and Genera and Illustrations of the Species*. Tokai Univ. Press, Kanagawa, pp. 106-111, pl. 4-5.

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12～14, ツシマユウレイグモ *Pholcus extumidus* ;

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ツシマユウレイグモ (図 2-2-13-12～14, Plate 4-6)
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体長雌雄 5～6 mm. 背甲はほぼ円形で淡灰黄色。中央に大きい淡黄褐色斑がある。眼の前端線は後曲。腹部は円筒形で淡灰褐色。腹部の背面には明瞭な灰褐色の斑紋が散在する。雄触肢附節の鉤状突起は黒褐色である。歩脚は淡灰黄色。洞窟の入口などの薄暗い所に生息する。タイプ産地は韓国。対馬に分布する。

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Plate 4. 単性域類 (ユウレイグモ科).

Pholcus extumidus 雌 ;

6, ツシマユウレイグモ

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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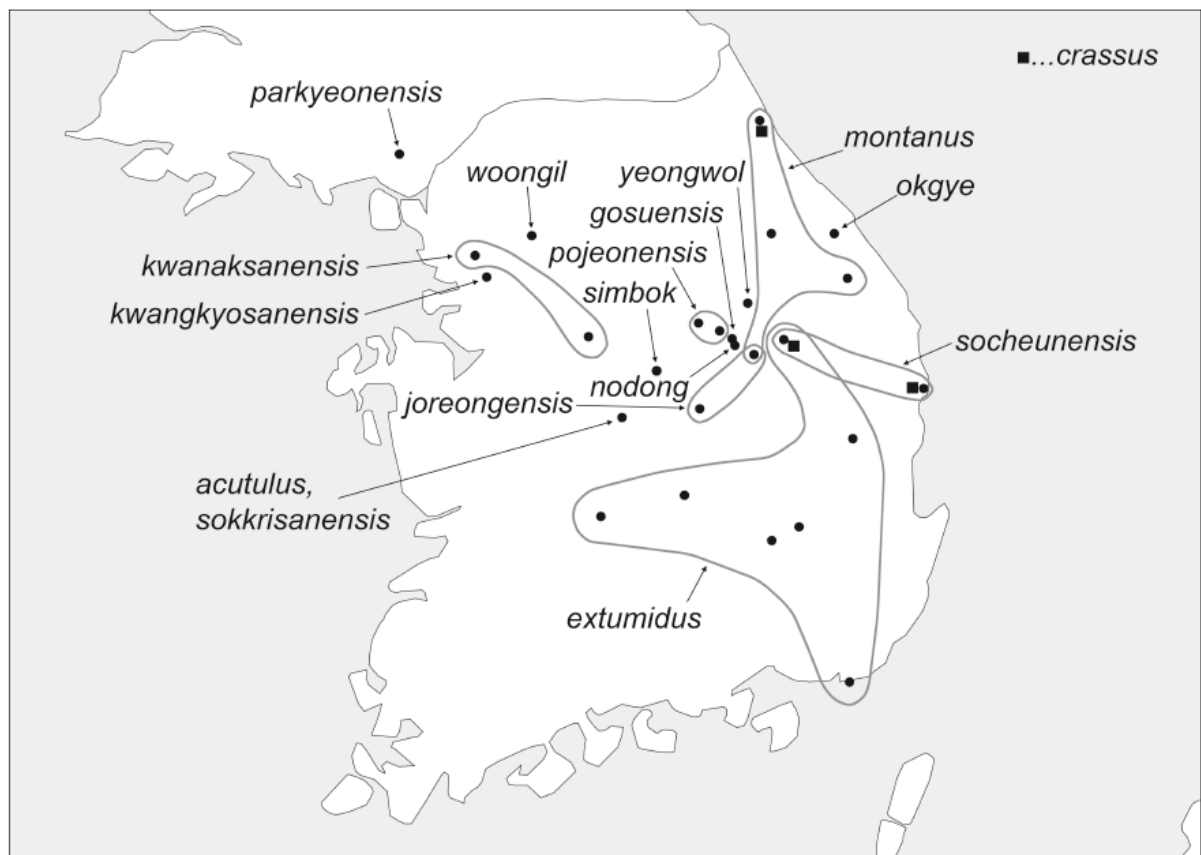


FIG. 2217. Known distribution of Korean representatives of the *Pholcus phungiformes* species group.