

ATLAS DE LA PTERIDOFLORA IBERICA Y BALEAR

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con la colaboración de
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RESUMEN: Tomando como base el *Atlas Florae Europaeae* se ha realizado una revisión corológica de la pteridoflora ibérica y balear.

RESUME: En prenant comme base *Atlas Florae Europaeae* nous avons réalisé une révision chorologique de la pteridoflore ibérique et balear.

INTRODUCCION

La aparición del primer volumen del *Atlas Florae Europaeae* dedicado a los pteridófitos (Jalas & Suominen, 1972) supuso una aportación esencial en los trabajos corológicos europeos, tanto por la novedad de la técnica empleada como por la abundancia de datos recogidos. No obstante era evidente una cierta desproporción entre los datos de densidad de especies de países centroeuropeos y los de la Península Ibérica y Baleares (op. cit.: 11), desproporción motivada fundamentalmente por una falta de trabajos corológicos y taxonómicos sobre flora pteridofítica peninsular y balear.

Transcurridos diez años desde la aparición del primer volumen han sido numerosos los estudios pteridológicos que han completado las lagunas existentes (Salvo, Asensi & Rivas-Martínez, 1981). Hemos creído oportuno sintetizar todos los nuevos datos y realizar una aproximación actual al conocimiento corológico de los helechos ibéricos y baleáricos, en la cual se resume una década (1972-1982) de numerosos trabajos de pteridólogos ibéricos y extranjeros y que se refleja en la variación de los mapas de densidades del año 1972 y la del presente trabajo (Fig. 1).

Las novedades y exclusiones resultantes del presente trabajo son las siguientes:

A) Citas nuevas

Lycopodium annotinum
Isoetes longissima
Osmunda regalis
 var. *plumieri*
Botrychium matricariifolium
Polypodium canariense
Cheilanthes guanchica
Marsilea aegyptiaca
Pteridium aquilinum
 subsp. *brevipes*
Asplenium trichomanes
 subsp. *inexpectans*

Asplenium trichomanes
 subsp. *pachyrachis*
Cystopteris viridula
Dryopteris expansa
Dryopteris remota
Dryopteris affinis
 subsp. *affinis*
Dryopteris affinis
 subsp. *stilluppensis*
Dryopteris pallida
 subsp. *pallida*

B) Nuevos táxones descritos desde 1972 y presentes en la Península Ibérica

Psilotum nudum
 var. *molesworthae*
Dryopteris guanchica
Dryopteris corleyi
Dryopteris tyrrhena

Asplenium marinum
 var. *praealtum*
Asplenium marinum
 var. *depauperatum*

C) Táxones a excluir de la flora ibérica

Isoetes bronchonii
Isoetes boryana

Asplenium obovatum
Asplenium cuneifolium

Un trabajo de esta índole nunca es definitivo, por lo cual esperamos que las seguras omisiones sean subsanadas por las aportaciones de futuros trabajos. Para evitar la dispersión bibliográfica de los mismos la dirección de ACTA BOTANICA MALACITANA se ofrece a publicar periódicamente todas las novedades corológicas y taxonómicas de helechos peninsulares y baleáricos con el nombre de *Notas Pteridológicas de la Península Ibérica y Baleares*.

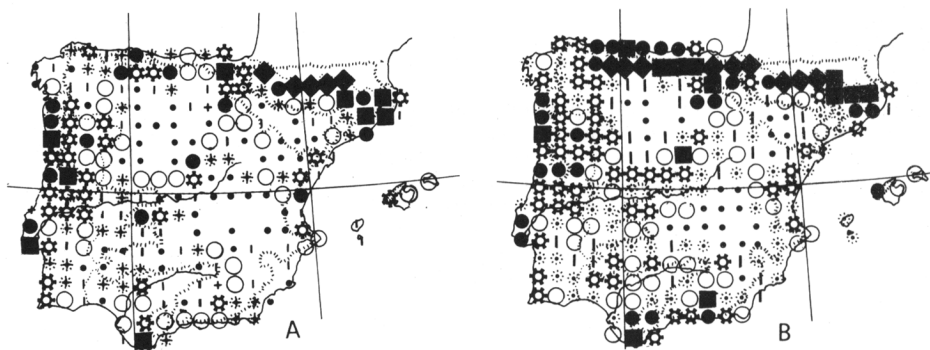
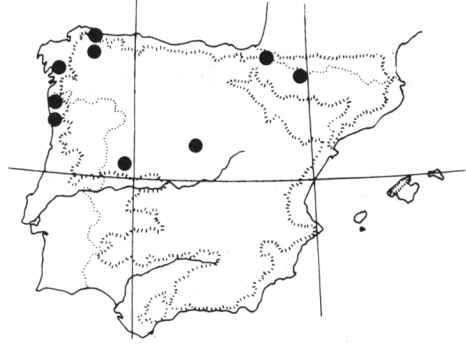


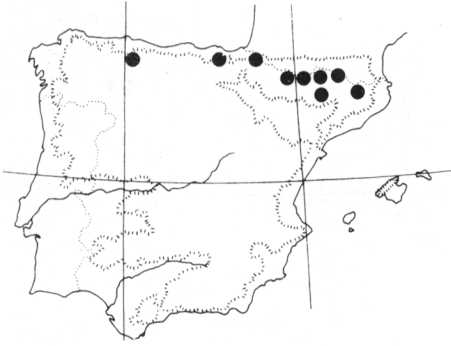
Figura 1.- Comparación de la densidad de táxones de pteridófitos en cuadrículas de 50 km de lado en la Península Ibérica y Baleares, entre el mapa presentado por Jalas y Suominen en 1972 (A) y el obtenido en el presente trabajo (B). Clave de densidades: (•):1-3; (|):4-7; (*):8-12; (○):13-18; (☆):19-25; (●):26-33; (■):33-42; (◆):más de 43.



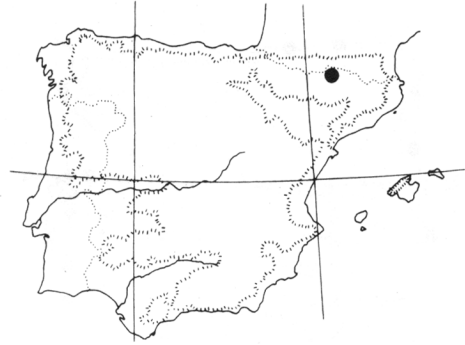
1. *Huperzia selago* L.



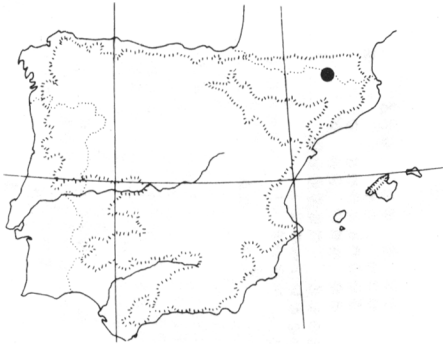
2. *Lepidotis inundata* (L.) Börner



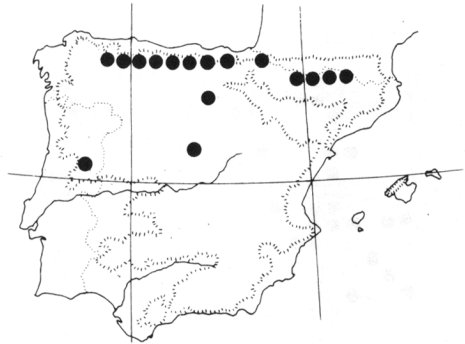
3. *Diphasiastrum alpinum* (L.) Rothm.



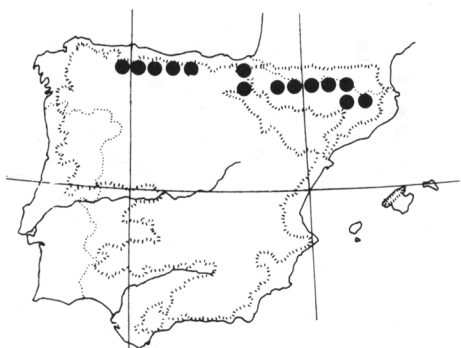
4. *Diphasiastrum complanatum* (L.) Holub



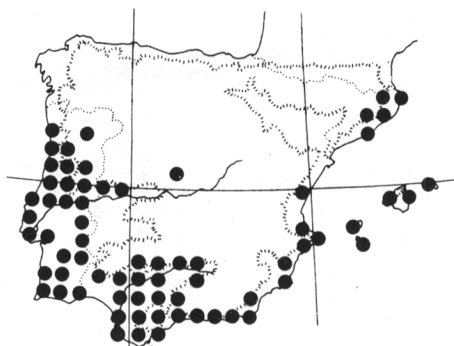
5. *Lycopodium annotinum* L.



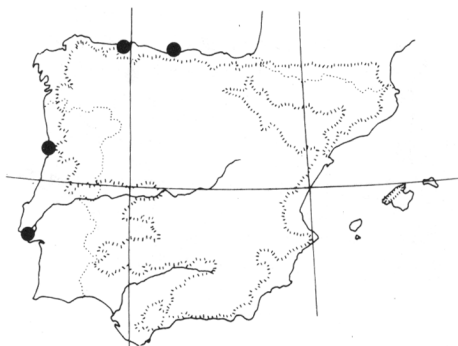
6. *Lycopodium clavatum* L.



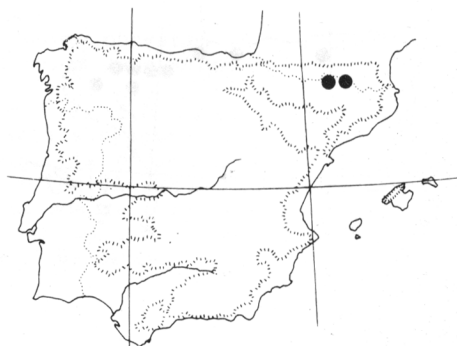
7. *Selaginella selaginoides* (L.) Link



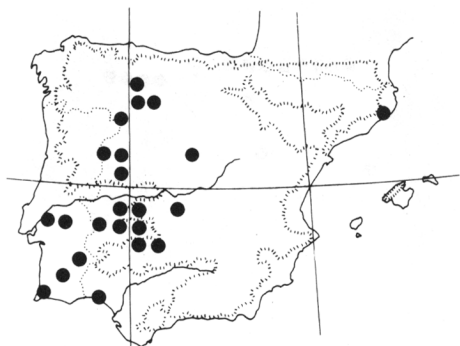
8. *Selaginella denticulata* (L.) Link



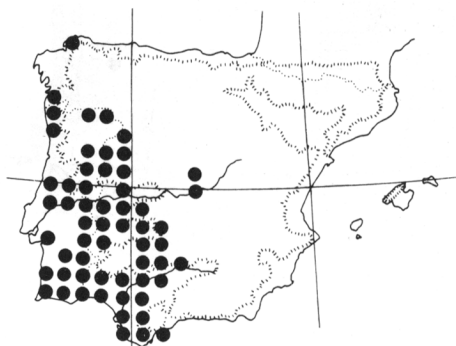
9. *Selaginella kraussiana* (G. Kunze)
A. Braun



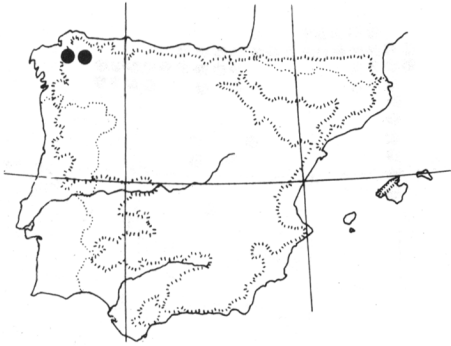
10. *Isoetes lacustris* L.



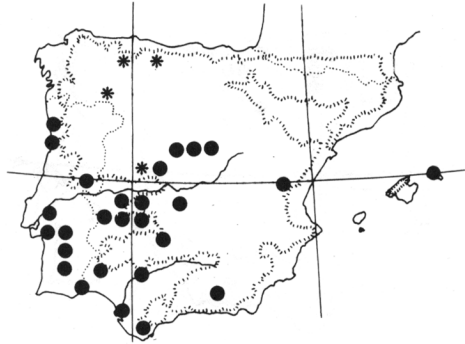
11. *Isoetes setacea* Lam.



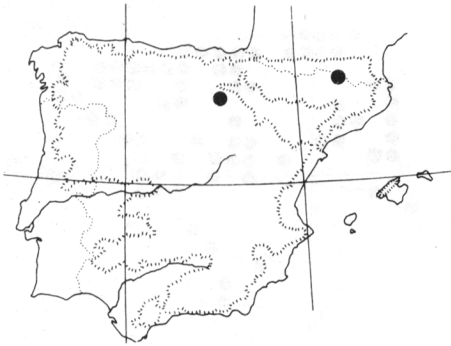
12. *Isoetes histrix* Bory



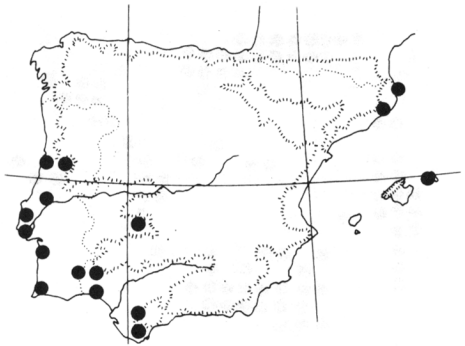
13. *Isoetes longissima* Bory



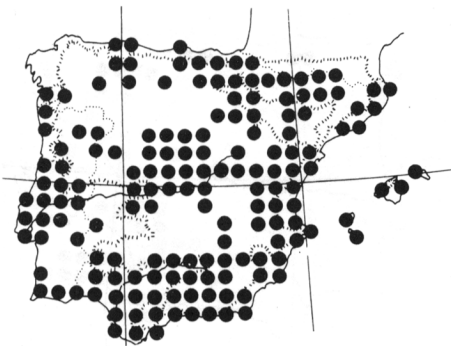
14. *Isoetes velata* A. Braun
subsp. *velata* (●); subsp. *asturicense*
(Lainz) Riv.-Mart. & Prada (*)



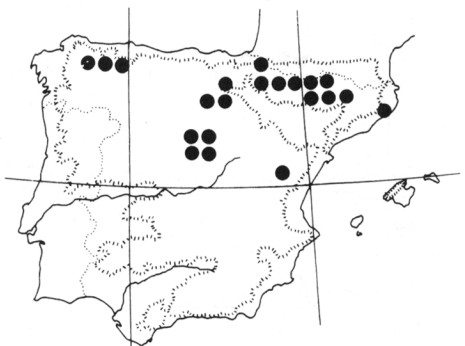
15. *Isoetes echinospora* Durieu



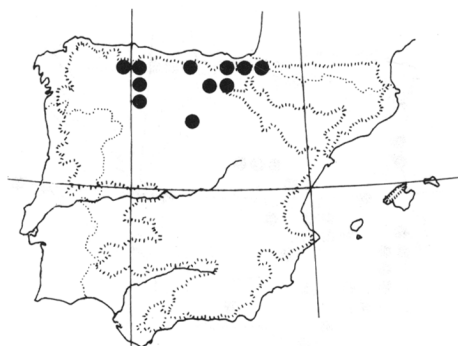
16. *Isoetes durieui* Bory



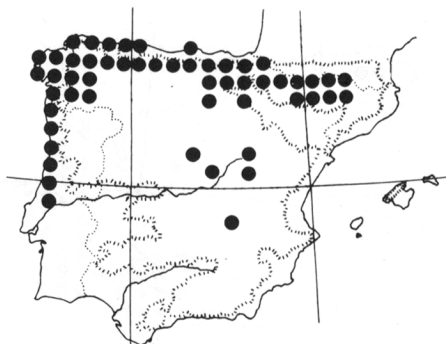
17. *Equisetum ramosissimum* Desf.



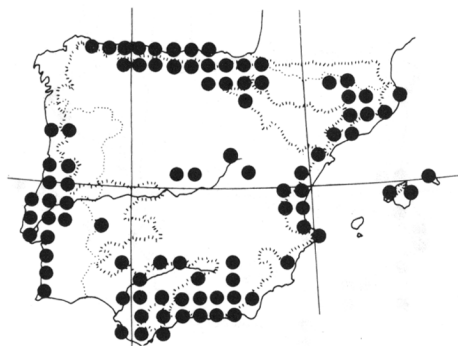
18. *Equisetum hyemale* L.



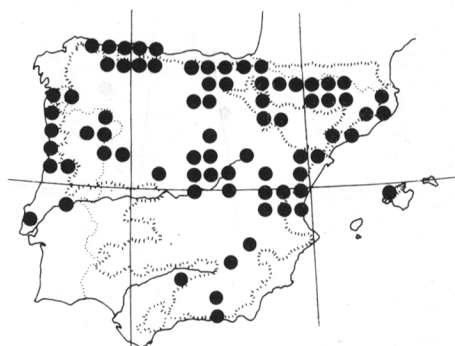
19. *Equisetum fluviatile* L.



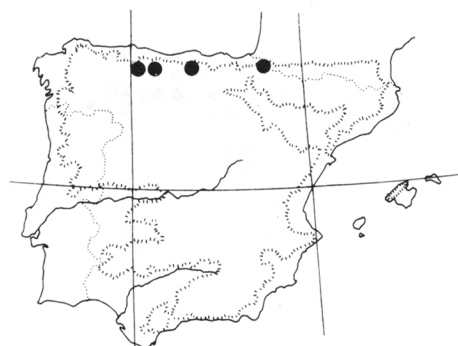
20. *Equisetum palustre* L.



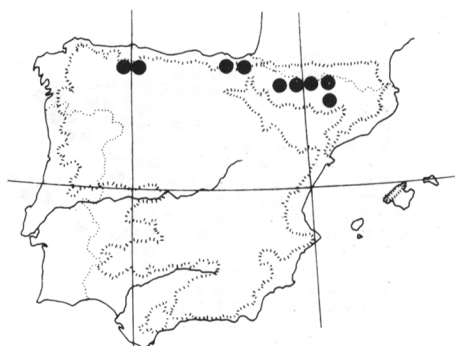
21. *Equisetum telmateia* Ehrh.



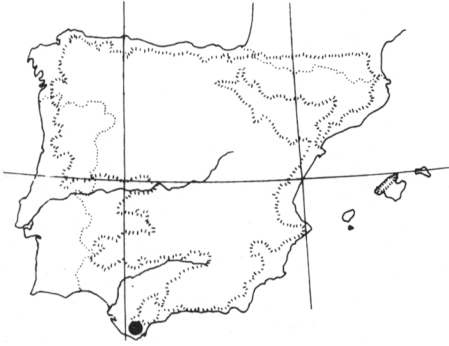
22. *Equisetum arvense* L.



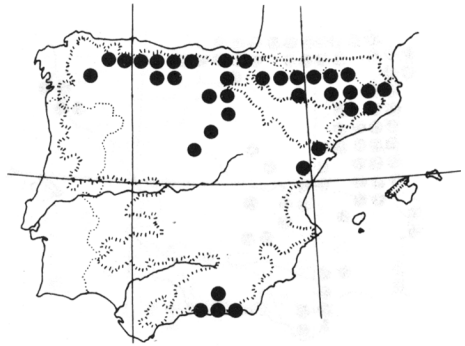
23. *Equisetum sylvaticum* L.



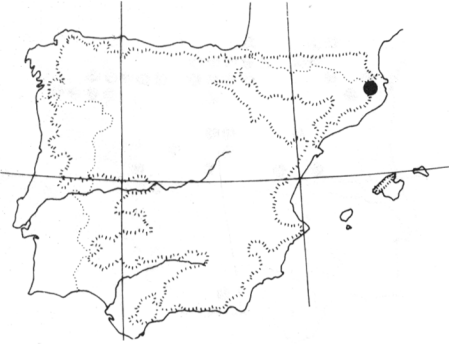
24. *Equisetum variegatum* Schleicher



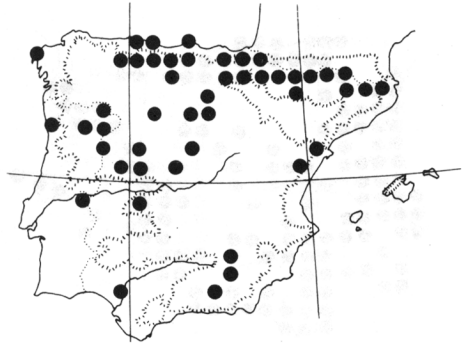
25. *Psilotum nudum* (L.) P. Beauv.
var. *molesworthae* Iranzo, Prada & Salvo



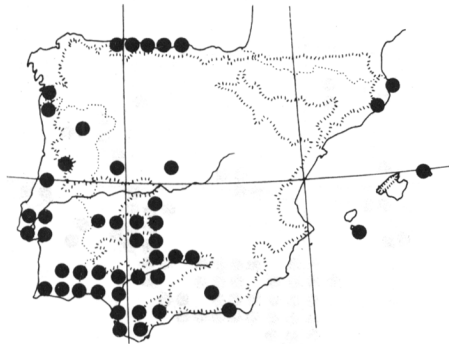
26. *Botrychium lunaria* (L.) Swartz



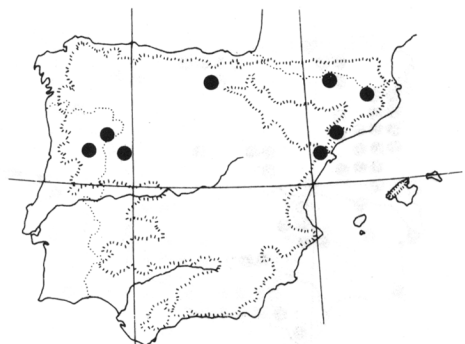
27. *Botrychium matricariifolium* Koch



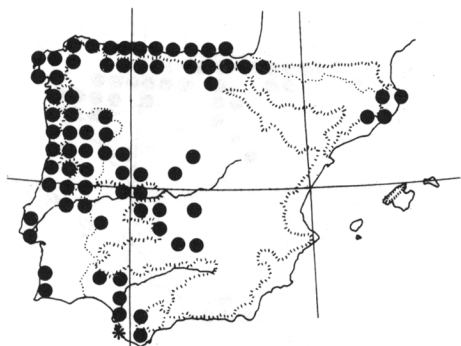
28. *Ophioglossum vulgatum* L.



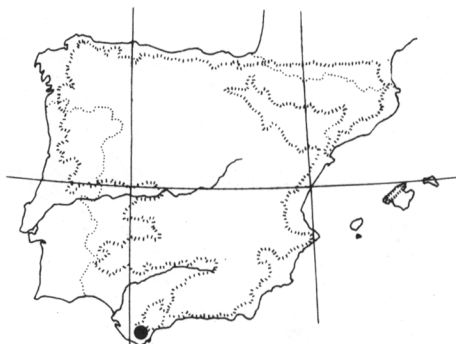
29. *Ophioglossum lusitanicum* L.



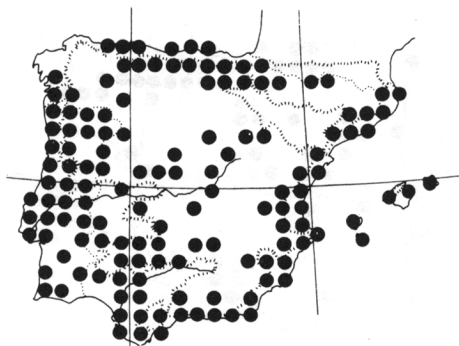
30. *Ophioglossum azoricum* C. Presl.



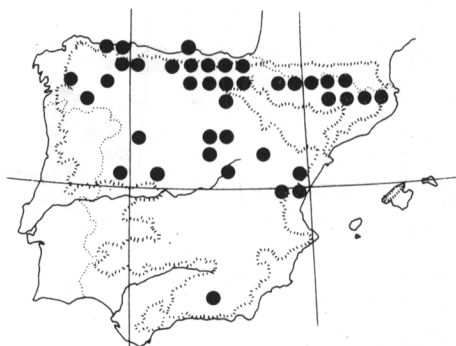
31. *Osmunda regalis* L.
var. *regalis* (●); var. *plumieri*
(Tausch) Milde (*).



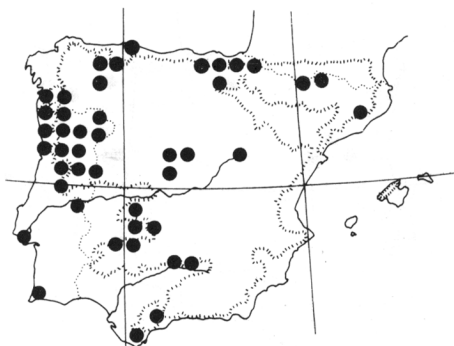
32. *Polypodium canariense* Willd.



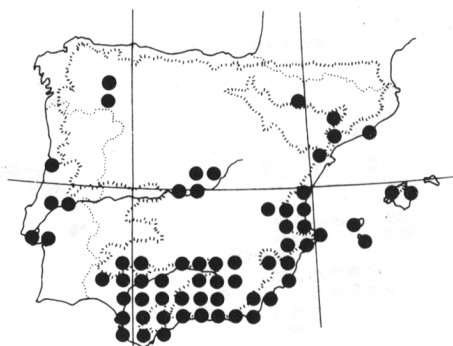
33. *Polypodium cambricum* L.



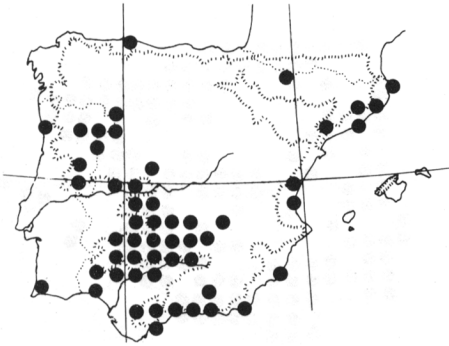
34. *Polypodium vulgare* L.



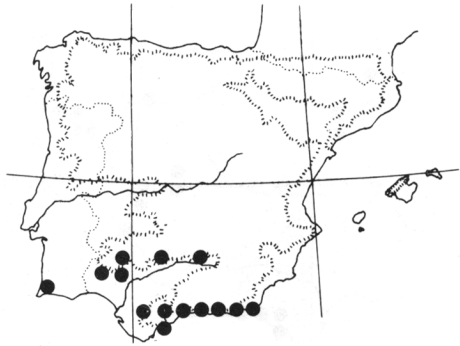
35. *Polypodium interjectum* Shivas



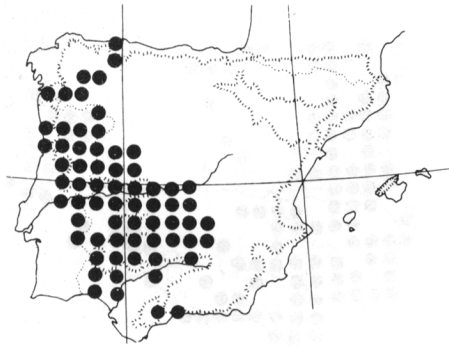
36. *Cheilanthes pteridioides*
(Reichard) C. Chr.



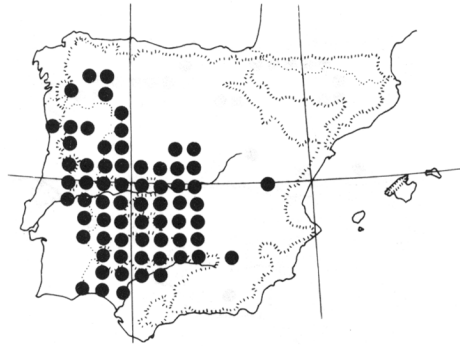
37. *Cheilanthes maderensis* Lowe



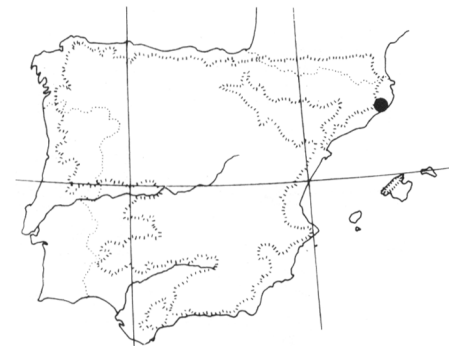
38. *Cheilanthes guanchica* Bolle



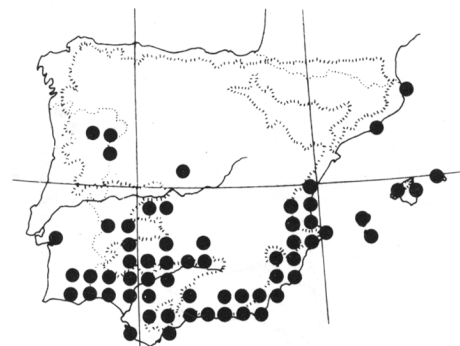
39. *Cheilanthes hispanica* Mett.



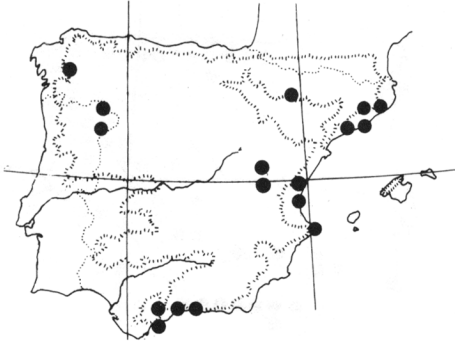
40. *Cheilanthes tinaei* Tod.



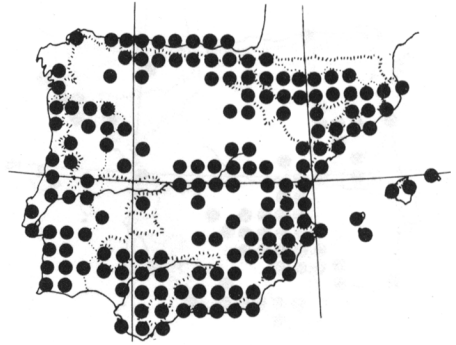
41. *Pellaea calomelamos* (Swartz) Link



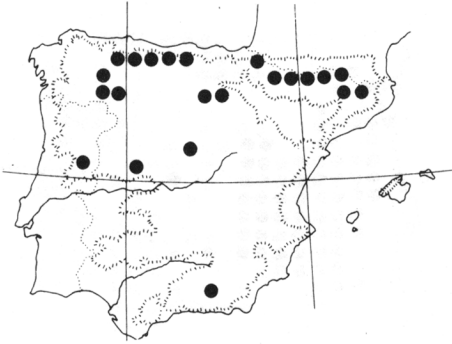
42. *Notholaena vellea* (Aiton) R. Br.



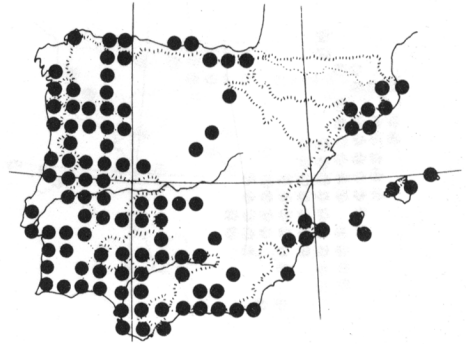
43. *Notholaena marantae* (L.) Desv.



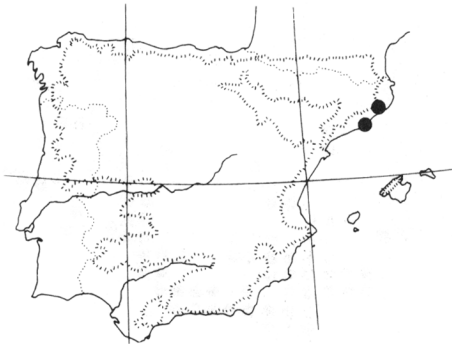
44. *Adiantum capillus-veneris* L.



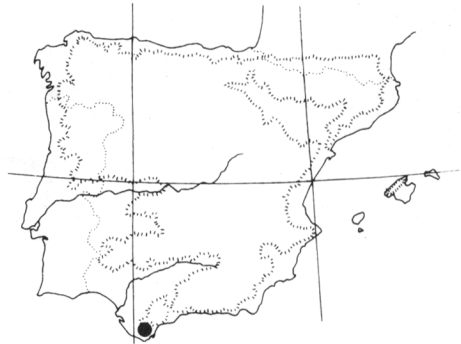
45. *Cryptogramma crispa* (L.) Hooker



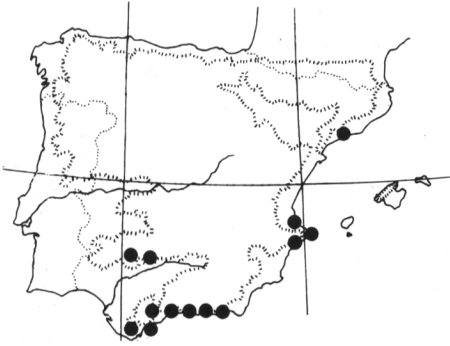
46. *Anogramma leptophylla* (L.) Link



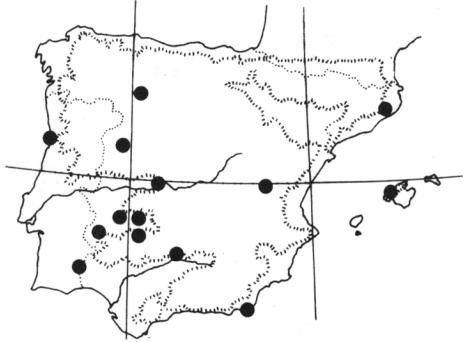
47. *Pteris cretica* L.



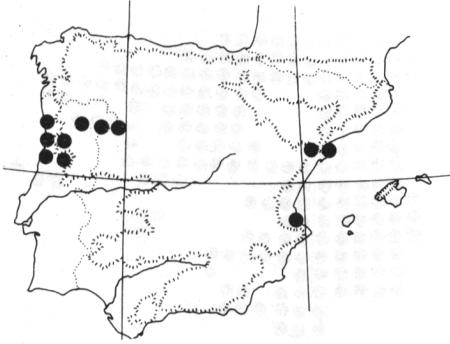
48. *Pteris palustris* Poiret



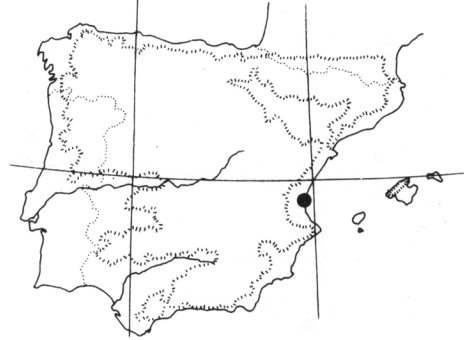
49. *Pteris vittata* L.



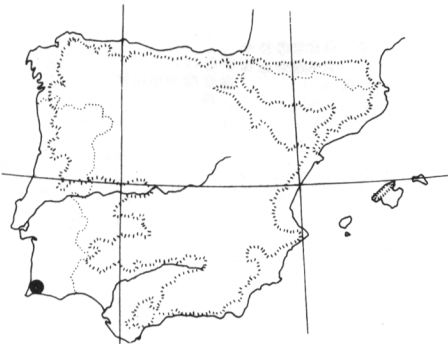
50. *Marsilea strigosa* Willd.



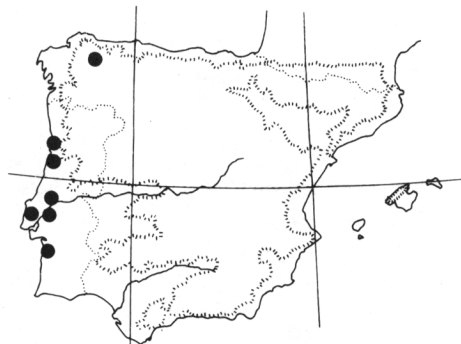
51. *Marsilea quadrifolia* L.



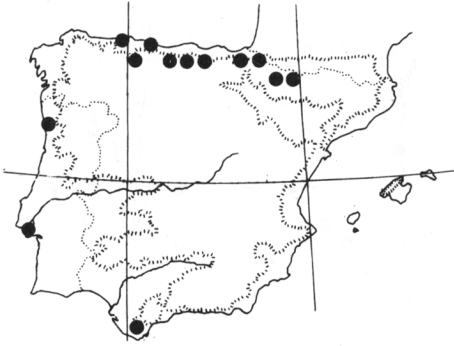
52. *Marsilea aegyptiaca* Willd.



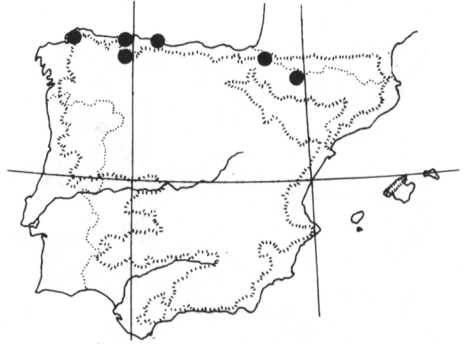
53. *Pilularia minuta* L.



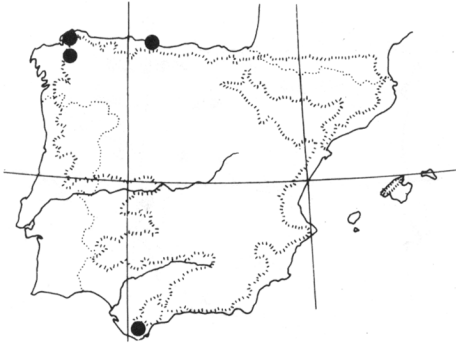
54. *Pilularia globulifera* L.



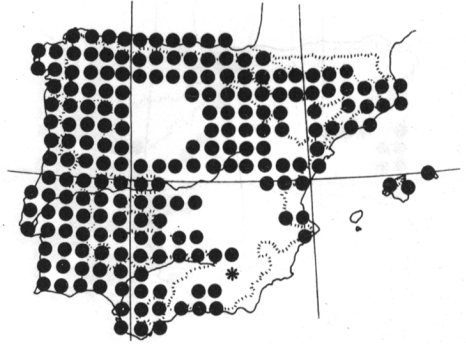
55. *Vandenboschia speciosa*
(Willd.) Kunkel



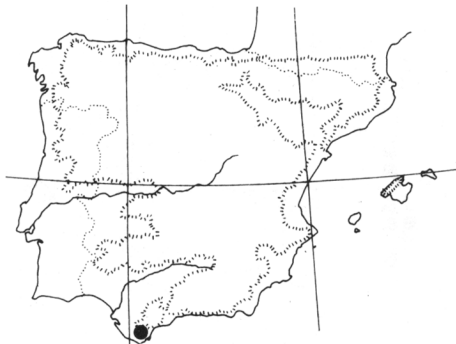
56. *Hymenophyllum tunbrigense* (L.) Sm.



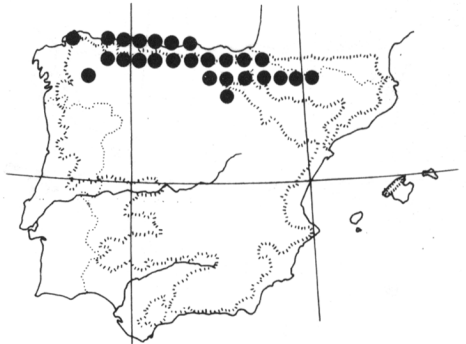
57. *Culcita macrocarpa* C. Presl.



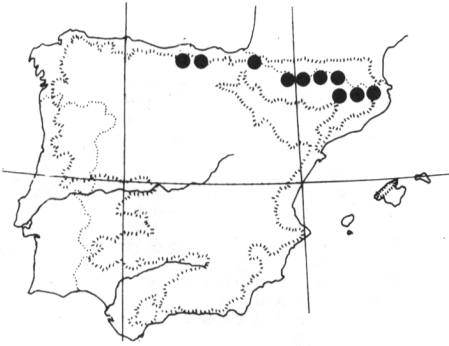
58. *Pteridium aquilinum* (L.) Kuhn
subsp. *aquilinum* (●); subsp. *brevipes*
(Tausch) Vul'f (*).



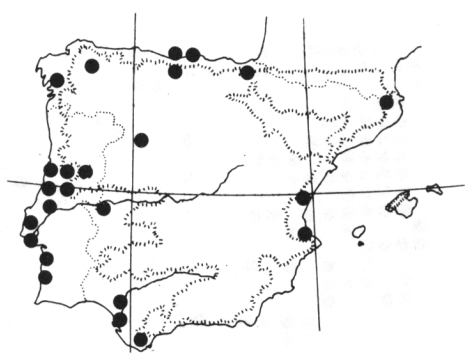
59. *Christella dentata* (Forsskål)
Brownsey & Jermy



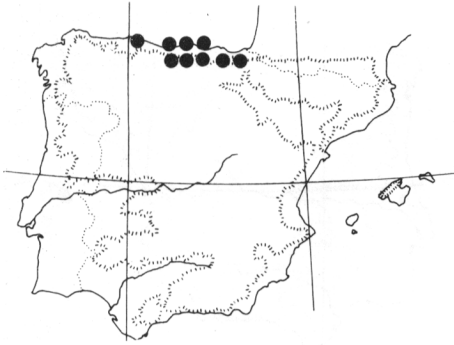
60. *Oreopteris limbosperma*
(All.) Holub



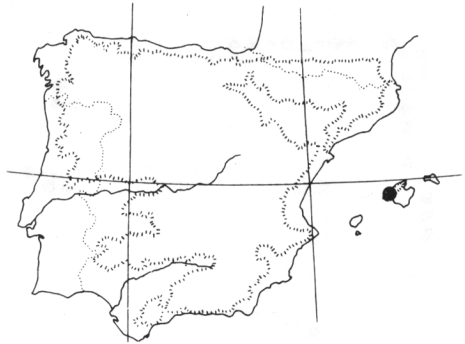
61. *Phegopteris connectilis*
(Michx.) Watt.



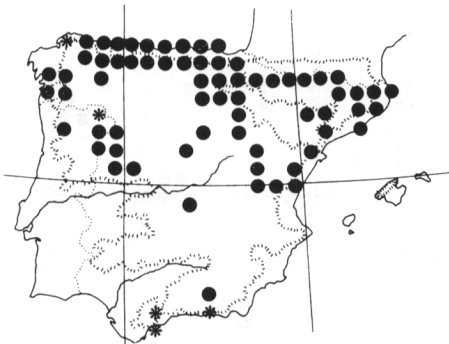
62. *Thelypteris palustris* Schott



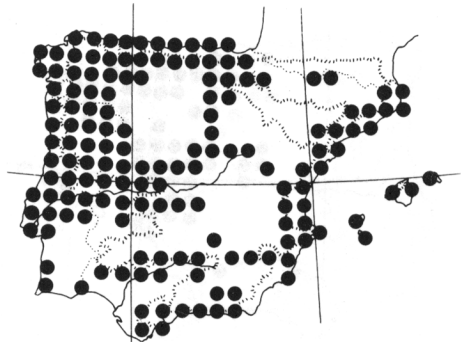
63. *Stegnogramma pozoi* (Lag.) Iwatsuki



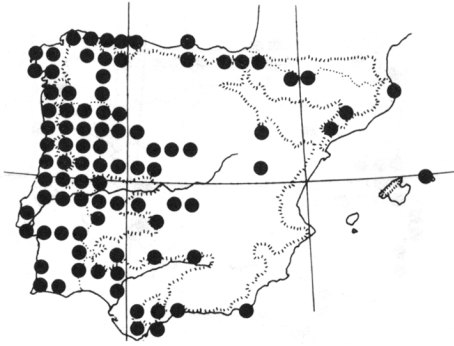
64. *Asplenium balearicum* Shivas



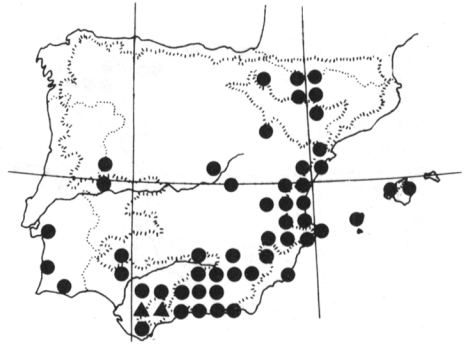
65. *Asplenium adiantum-nigrum* L.
var. *adiantum-nigrum* (●); var.
corunnense Merino (*).



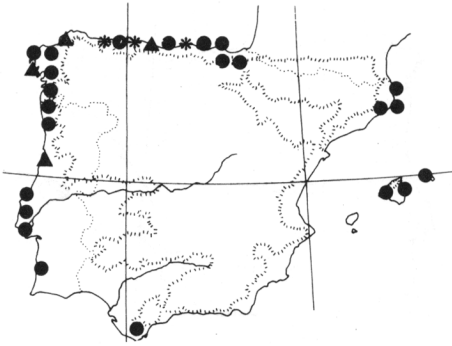
66. *Asplenium onopteris* L.



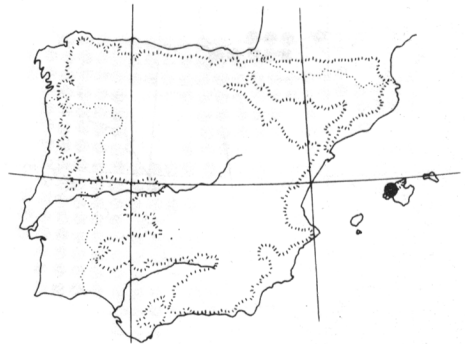
67. *Asplenium billotii* Schultz



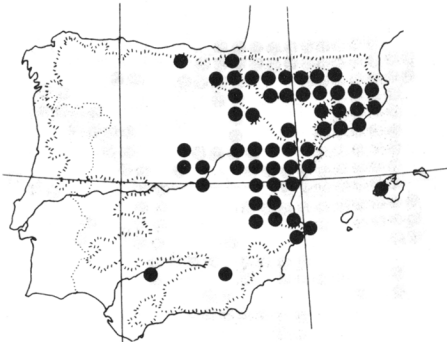
68. *Asplenium petrarchae* (Guérin) DC.
subsp. *petrarchae* (●); subsp.
bivalens (Meyer) Lovis & Reichstein (▲).



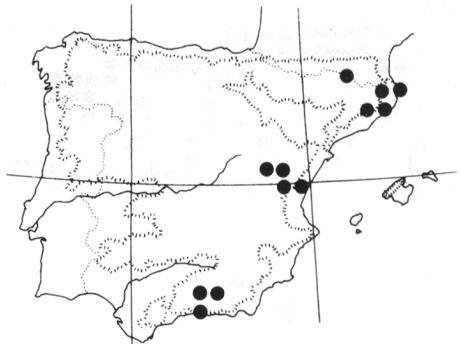
69. *Asplenium marinum* L.
var. *marinum* (●); var. *praealtum*
Diaz & Salvo (*); var. *depauperatum*
Diaz & Salvo (▲).



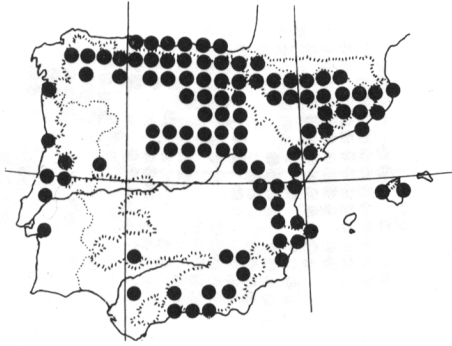
70. *Asplenium majoricum* Litard.



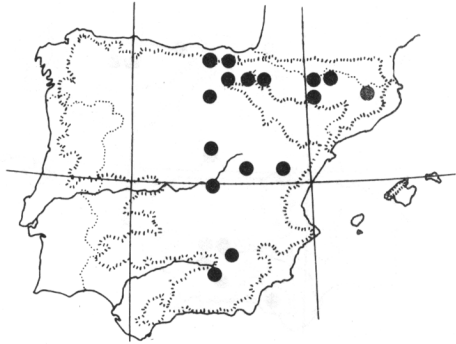
71. *Asplenium fontanum* (L.) Bernh.



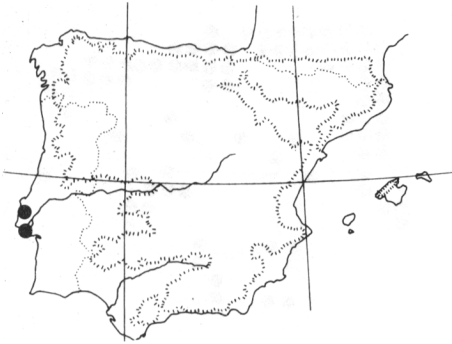
72. *Asplenium foreziense* Héribaud



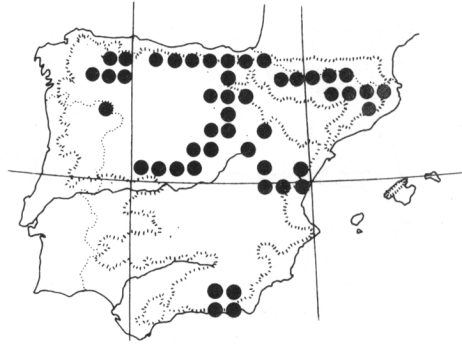
73. *Asplenium ruta-muraria* L.



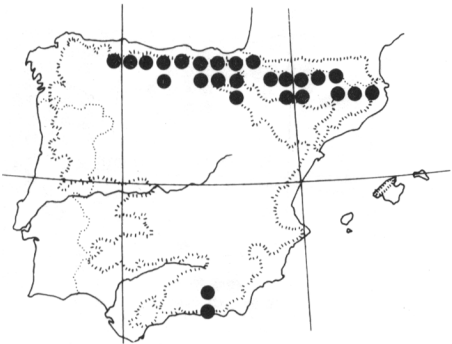
74. *Asplenium celtibericum* Riv.-Mart.



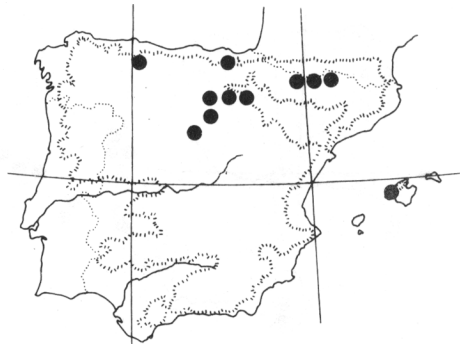
75. *Asplenium hemionitis* L.



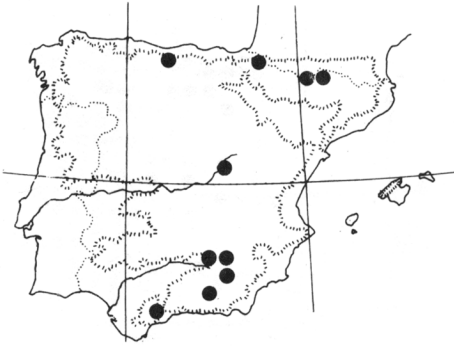
76. *Asplenium septentrionale*
(L.) Hoffm.



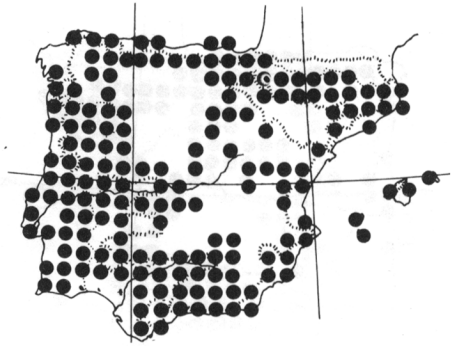
77. *Asplenium viride* Hudson



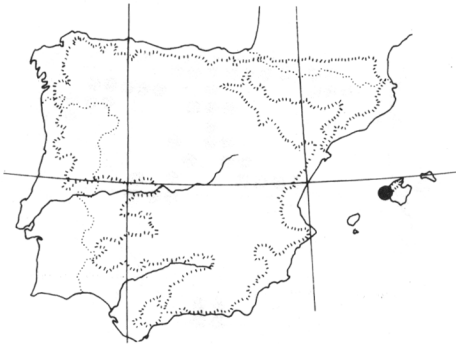
78. *Asplenium trichomanes* L.
subsp. *trichomanes*



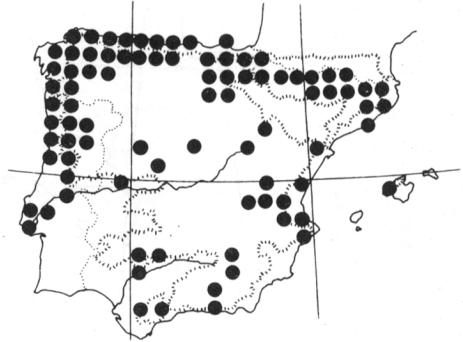
79. *Asplenium trichomanes* L.
subsp. *pachyrachis* (Christ.)
Lovis & Reichstein



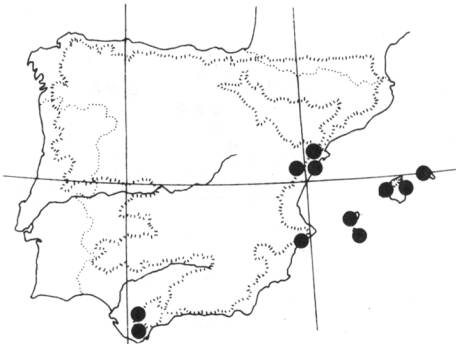
80. *Asplenium trichomanes* L.
subsp. *quadrivalens* Meyer



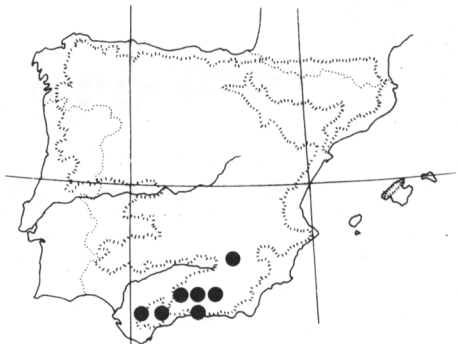
81. *Asplenium trichomanes* L.
subsp. *inexpectans* Lovis



82. *Asplenium scolopendrium* L.



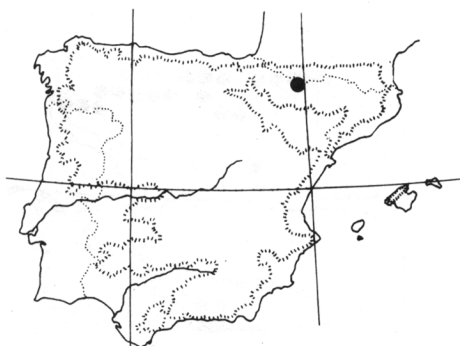
83. *Asplenium sagittatum* (DC.) Bange



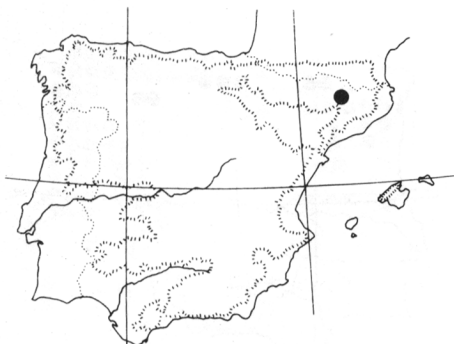
84. *Asplenium subglandulosum* (Hooker
& Grev.) Salvo, Prada & Diaz subsp.
hispanicum (Cosson) Salvo, Prada & Diaz



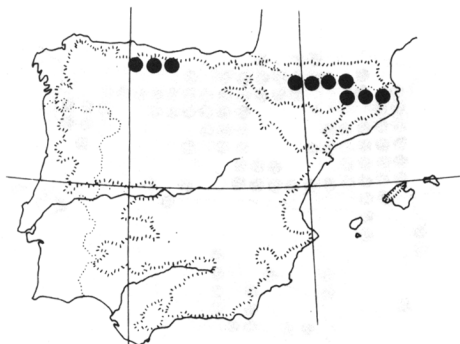
85. *Asplenium ceterach* L.



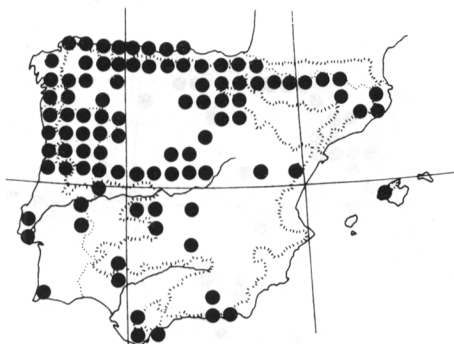
86. *Woodsia alpina* (Bolton) S.F. Gray



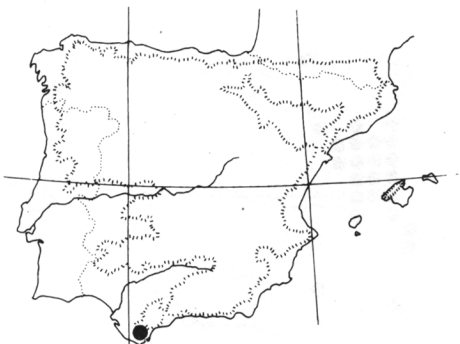
87. *Woodsia pulchella* Bertol.



88. *Athyrium distentifolium* Opiz



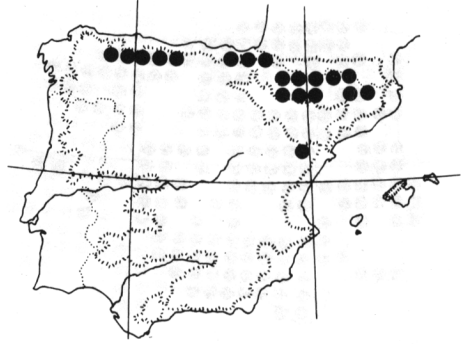
89. *Athyrium filix-femina* (L.) Roth



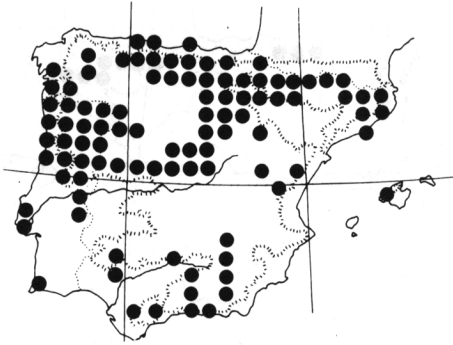
90. *Diplazium caudatum* (Cav.) Jermy



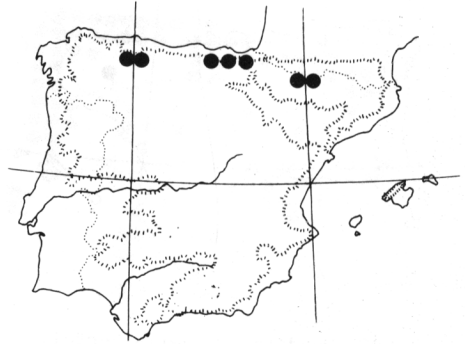
91. *Gymnocarpium dryopteris*
(L.) Newman



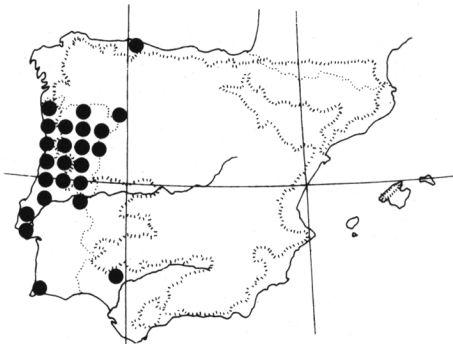
92. *Gymnocarpium robertianum*
(Hoffm.) Newman



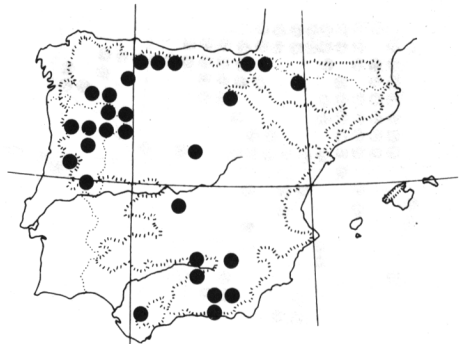
93. *Cystopteris fragilis* (L.) Bernh.
subsp. *fragilis*



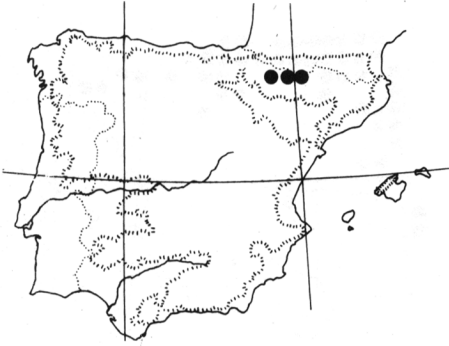
94. *Cystopteris fragilis* (L.) Bernh.
subsp. *alpina* (Lam.) Briquet



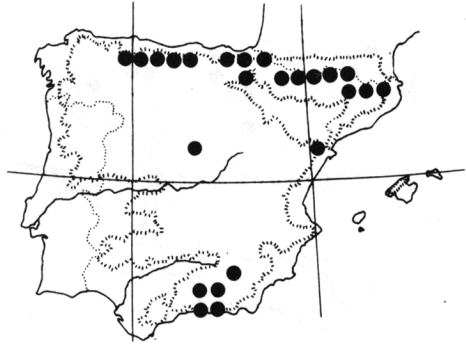
95. *Cystopteris viridula* (Desv.) Desv.



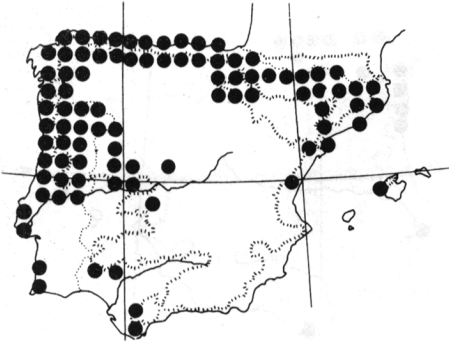
96. *Cystopteris dickieana* R. Sim.



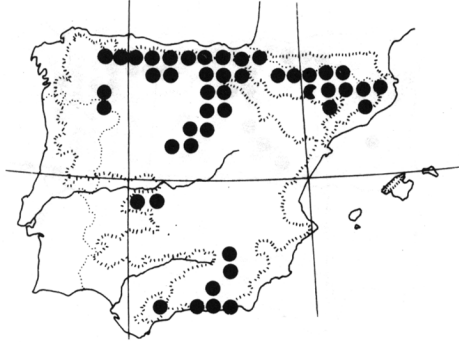
97. *Cystopteris montana* (Lam.) Desv.



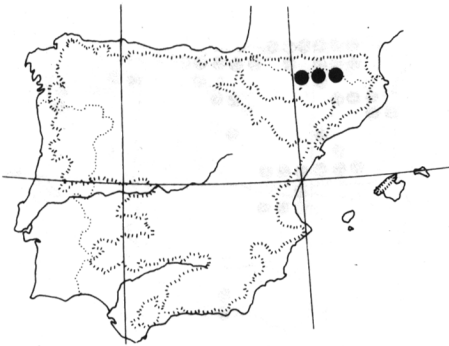
98. *Polystichum lonchitis* (L.) Roth



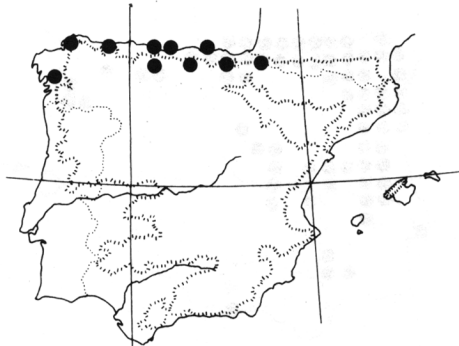
99. *Polystichum setiferum*
(Forsskål) Woynar



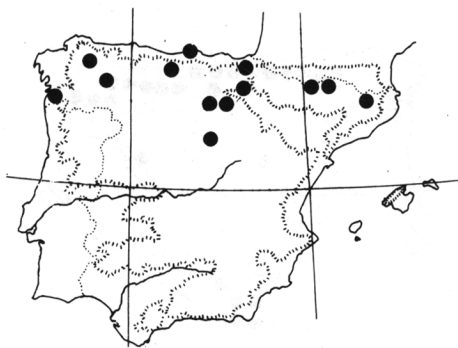
100. *Polystichum aculeatum* (L.) Roth



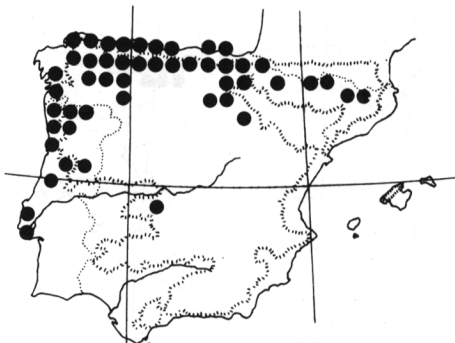
101. *Polystichum braunii*
(Spenner) Fée



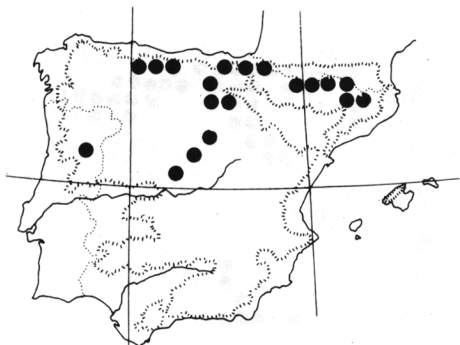
102. *Dryopteris aemula* (Aiton) Kuntze



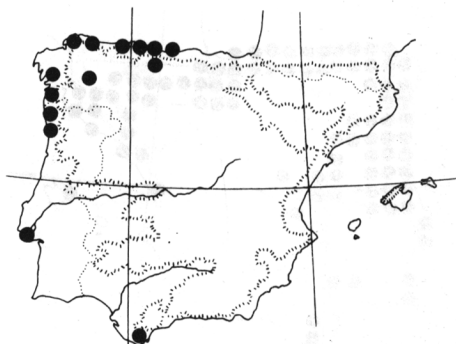
103. *Dryopteris carthusiana*
(Vill.) H.P. Fuchs



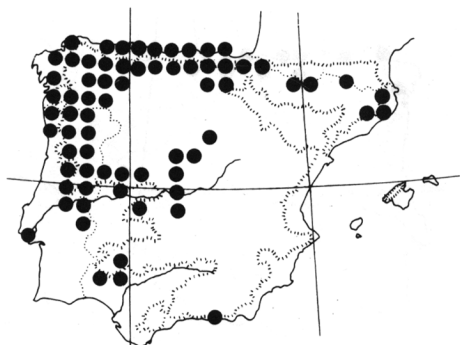
104. *Dryopteris dilatata*
(Hoffm.) A. Gray



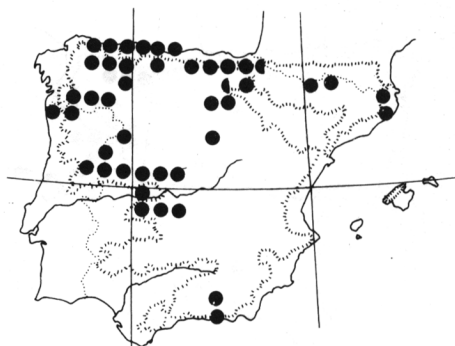
105. *Dryopteris expansa* (C. Presl)
Fraser-Jenkins & Jermy



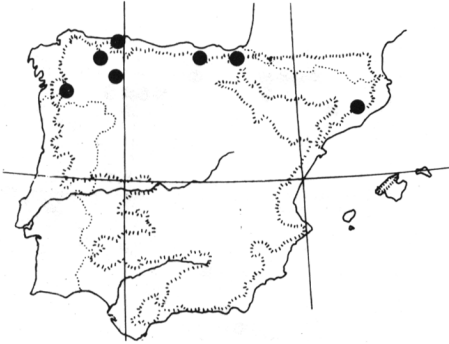
106. *Dryopteris guanchica*
Gibby & Jermy



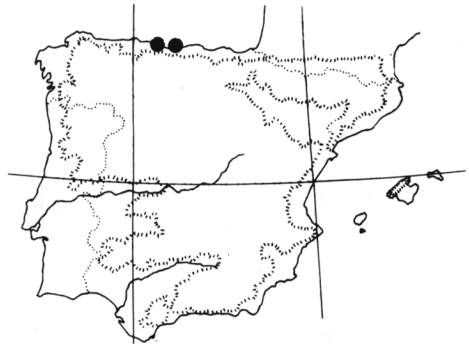
107. *Dryopteris affinis* (Lowe)
Fraser-Jenkins subsp. *affinis*



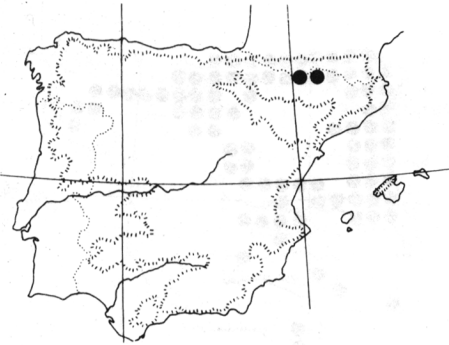
108. *Dryopteris affinis* (Lowe)
Fraser-Jenkins subsp. *borrieri* (Newman)
Fraser-Jenkins



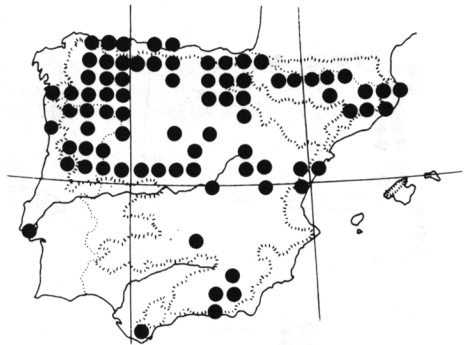
109. *Dryopteris affinis* (Lowe)
Fraser-Jenkins subsp. *stilluppensis*
(Sabr.) Fraser-Jenkins



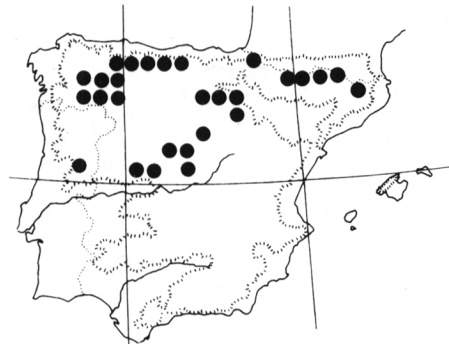
110. *Dryopteris corleyi*
Fraser-Jenkins



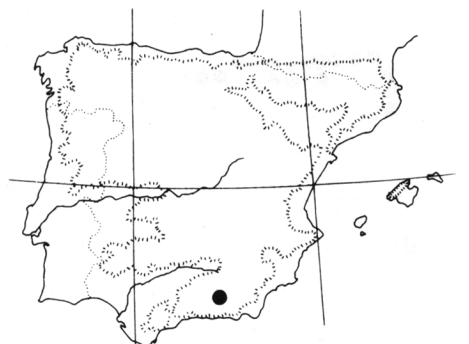
111. *Dryopteris remota* (Döll) Druce



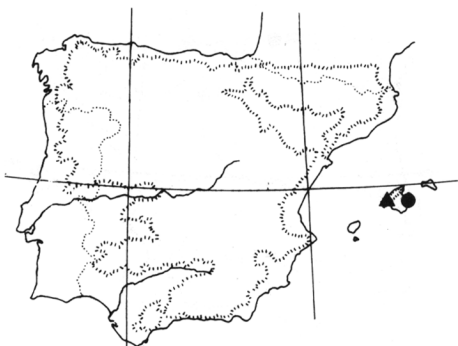
112. *Dryopteris filix-mas* (L.) Schott



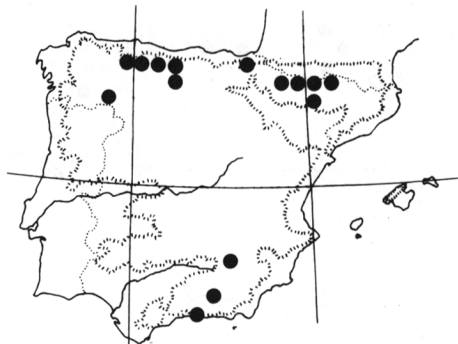
113. *Dryopteris oreades* Fomin



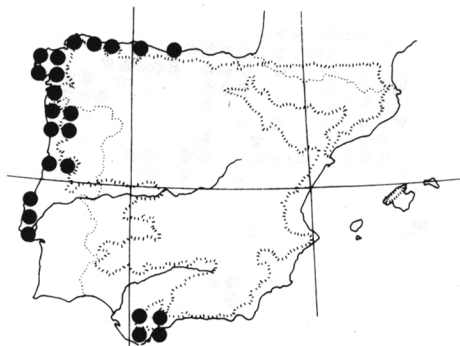
114. *Dryopteris tyrrhena*
Fraser-Jenkins & Reichstein



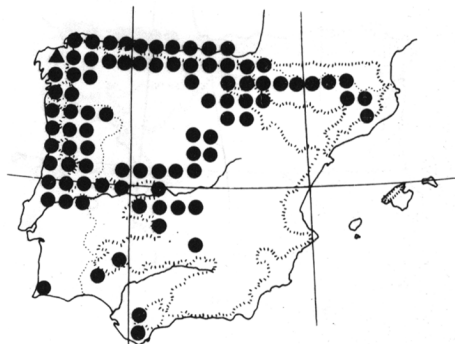
115. *Dryopteris pallida* (Bory) Fomin
subsp. *balearica* (Lit.) Fr.-J. (●);
subsp. *pallida* & subsp. *balearica* (▲)



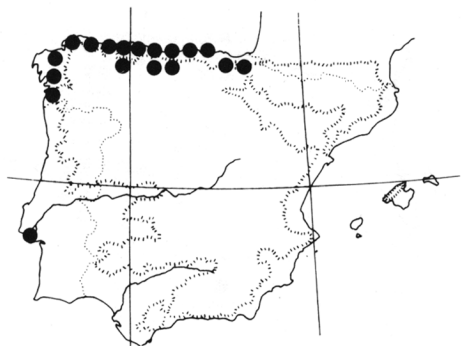
116. *Dryopteris submontana*
(Fraser-Jenkins & Jermy) Fraser-Jenkins



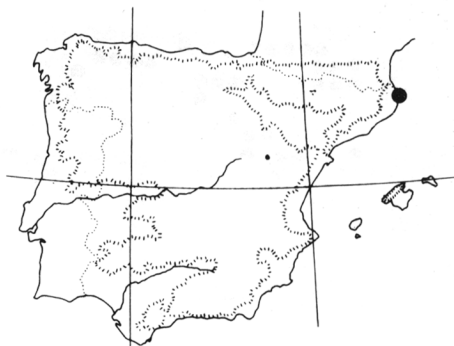
117. *Davallia canariensis* (L.) Sm.



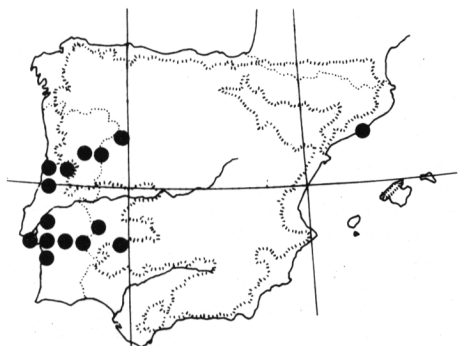
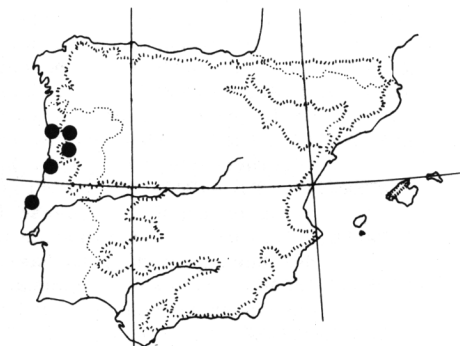
118. *Blechnum spicant* (L.) Roth
var. *spicant* (●); var. *homophyllum*
(Merino) Löve & Löve (▲).



119. *Woodwardia radicans* (L.) Sm.



120. *Salvinia natans* (L.) All.

121. *Azolla caroliniana* Willd.122. *Azolla filiculoides* Lam.

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