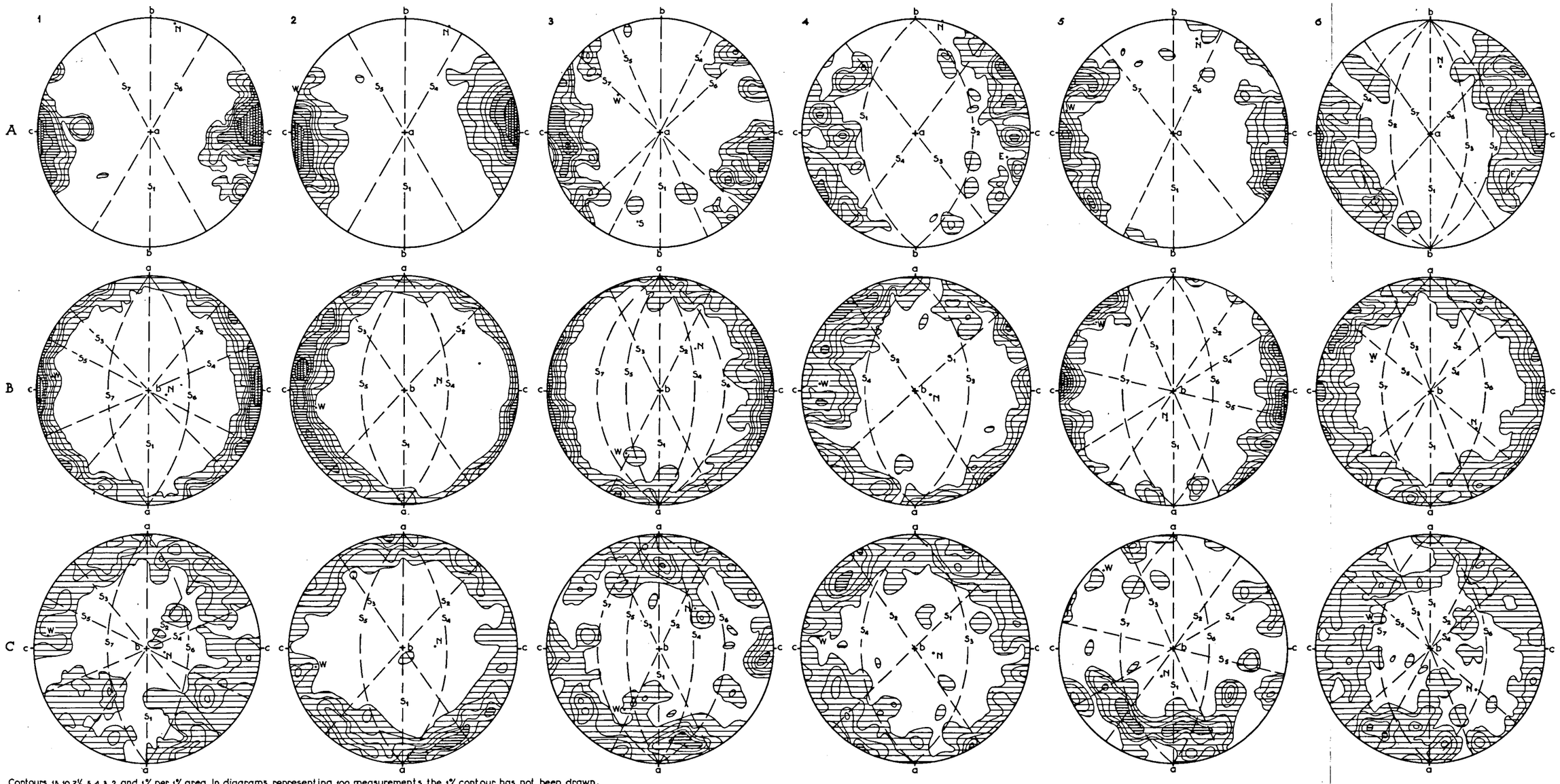
PLATES

PLATE I

Fig.	A // *b* {001} cleavages of mica	B ⊥ *b* {001} cleavages of mica	C ⊥ *b* optic axes of quartz
1. Paragneiss	100 (micas)	200 (micas)	200
2. Blastomylonitic orthogneiss	200 (biotites)	200 (biotites)	200
3. Coarse-grained augen-gneiss	100 (micas)	200 (micas)	200
4. Megacrystal biotite granite	100 (micas)	200 (micas)	200
5. Megacrystal biotite granite	100 (biotites)	100 (biotites)	100
6. Muscovite granite	200 (muscovites)	200 (muscovites)	200

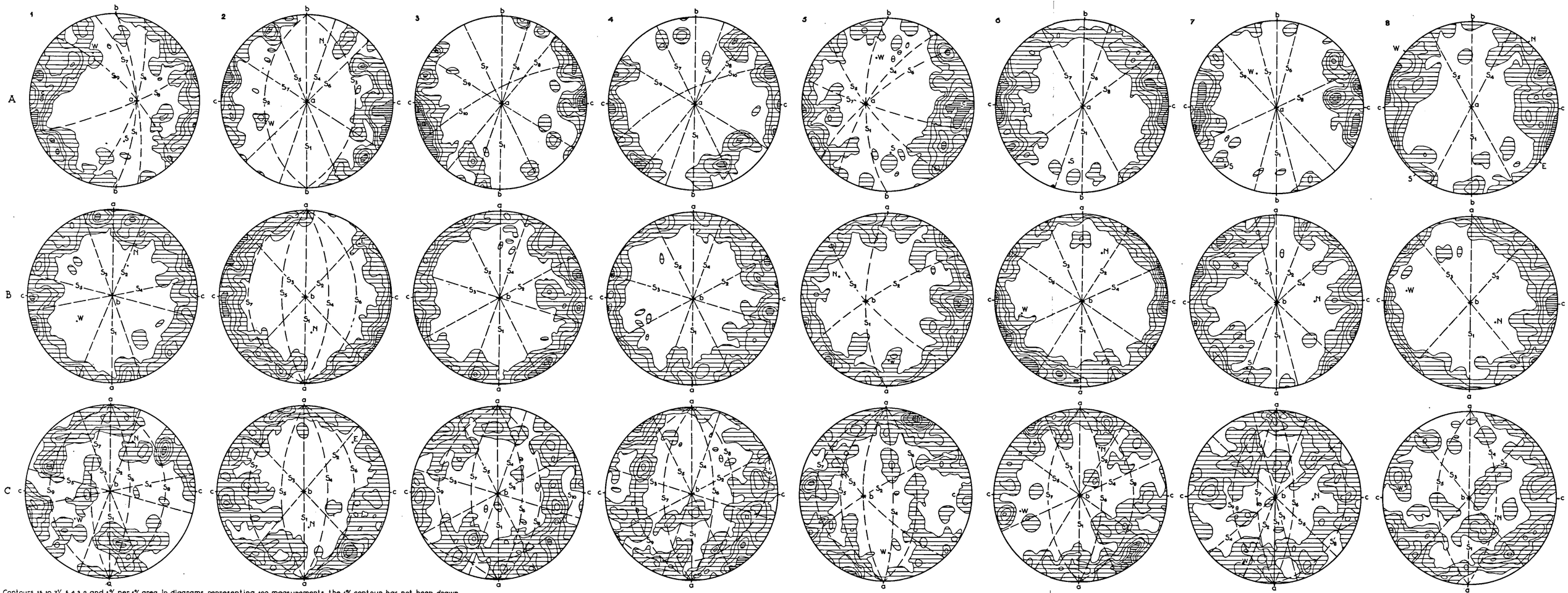


Contours 18,10,7½,5,4,3,2 and 1% per 1% area. In diagrams representing 100 measurements the 1% contour has not been drawn.

<3% per 1% area 3-10% per 1% area >10% per 1% area

PLATE II

Fig.	A // *b* {001} cleavages of mica	B ⊥ *b* {001} cleavages of mica	C ⊥ *b* optic axes of quartz
1. Barbanza granite	200 (micas)	200 (micas)	200
2. Barbanza granite	100 (micas)	200 (micas)	200
3. Barbanza granite (muscovite-type)	100 (micas)	200 (micas)	200
4. Barbanza granite (biotite-type)	100 (micas)	200 (micas)	200
5. Barbanza granite	200 (micas)	200 (micas)	200
6. Barbanza granite	200 (micas)	200 (micas)	200
7. Muros granite (medium-grained)	100 (micas)	200 (micas)	200
8. Muros granite (fine-grained)	200 (micas)	200 (micas)	200



Contours 15,10,7½,5,4,3,2 and 1% per 1% area. In diagrams representing 100 measurements the 1% contour has not been drawn.

<3% per 1% area 3-10% per 1% area >10% per 1% area

PLATE III

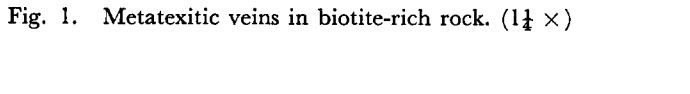


Fig. 1. Metatexitic veins in biotite-rich rock. ($1\frac{1}{4}\times$)

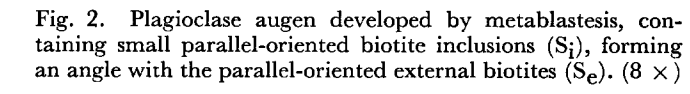


Fig. 2. Plagioclase augen developed by metablastesis, containing small parallel-oriented biotite inclusions (S_i), forming an angle with the parallel-oriented external biotites (S_e). ($8\times$)

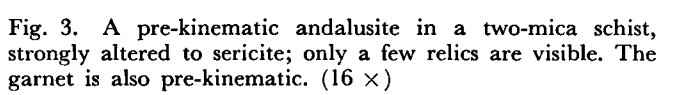


Fig. 3. A pre-kinematic andalusite in a two-mica schist, strongly altered to sericite; only a few relics are visible. The garnet is also pre-kinematic. ($16\times$)

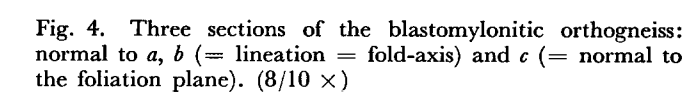
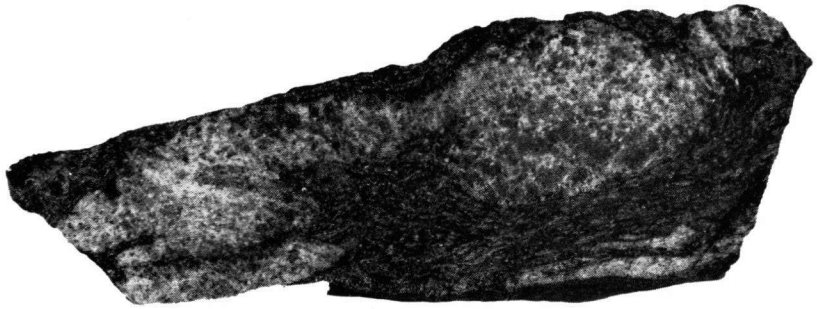
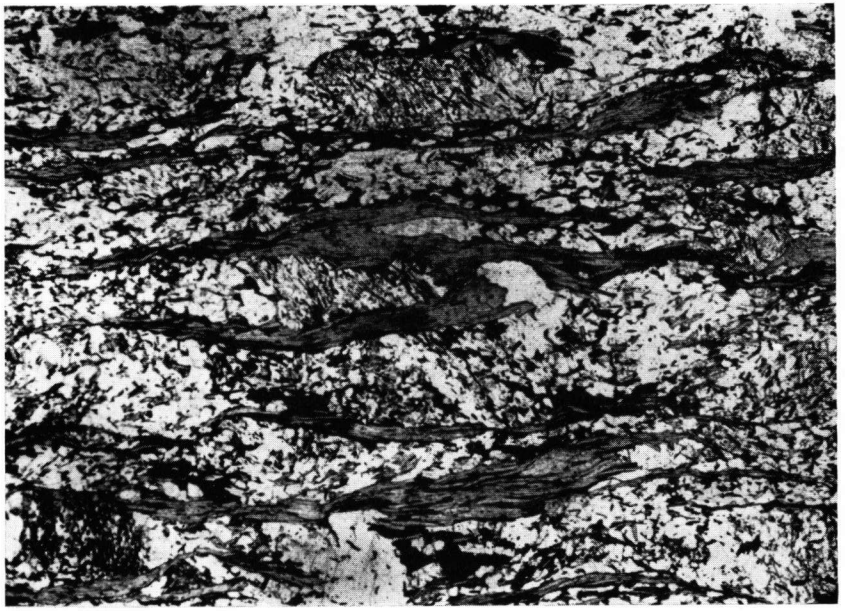
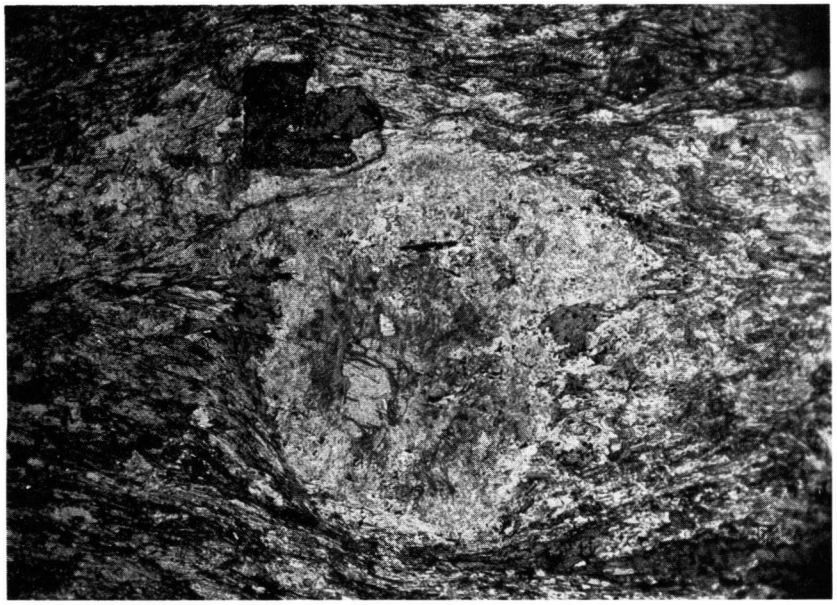
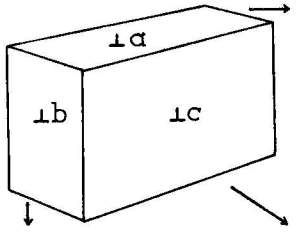


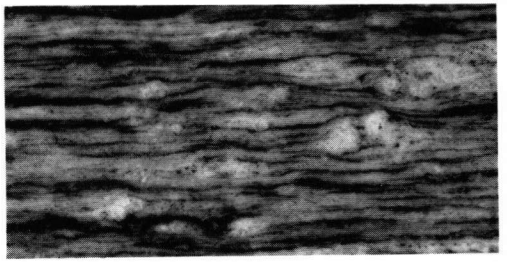
Fig. 4. Three sections of the blastomylonitic orthogneiss: normal to *a*, *b* (= lineation = fold-axis) and *c* (= normal to the foliation plane). ($8/10\times$)

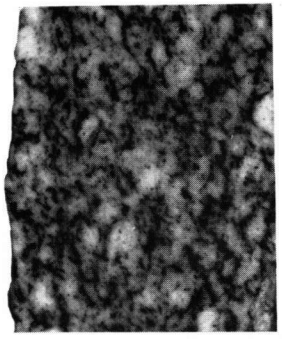







⊥a
⊥b
⊥c





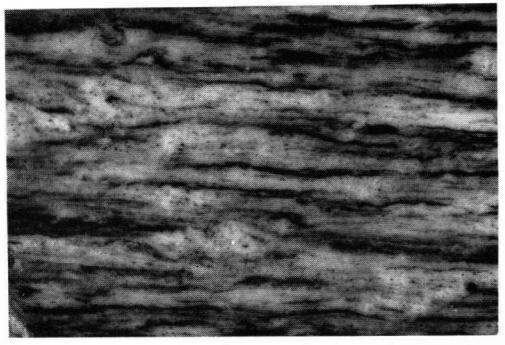


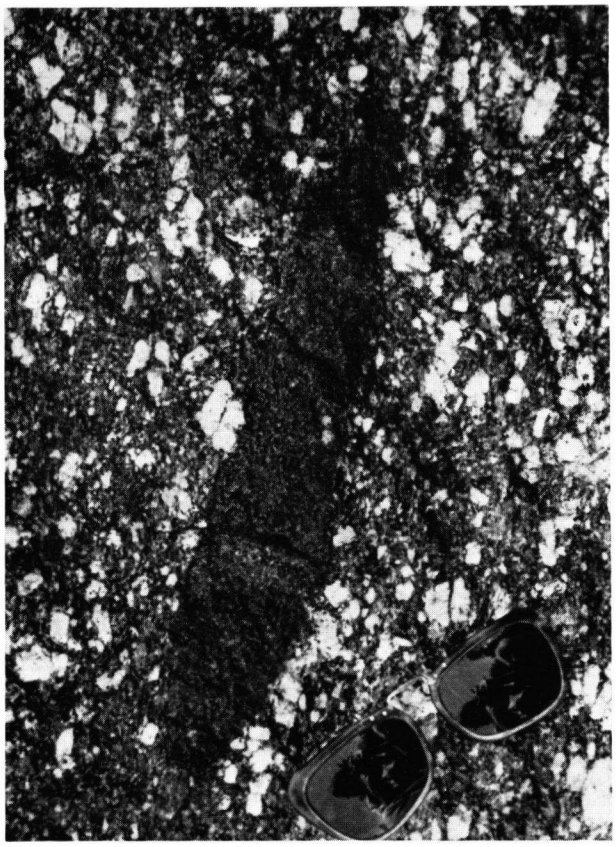
PLATE IV

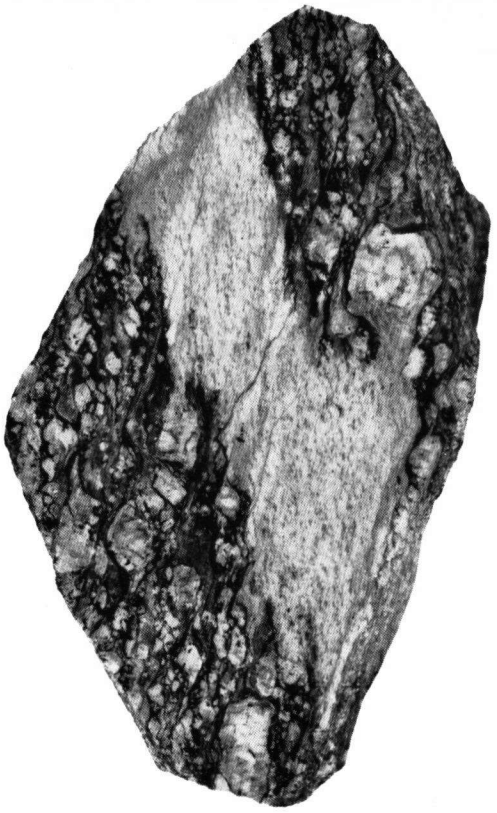
Fig. 1. Coarse-grained augen-gneiss with a strong phyllonitic appearence. (7/10 ×)

Fig. 2. An elongate dioritic xenolith lying parallel to the foliation of the megacrystal biotite granite. A potash-feldspar megacryst sits astride the contact of both rocks. (1/3 ×)

Fig. 3. A plagioclase crystal, developed by metablastesis, containing many inclusions of biotite, quartz, and apatite. (20 ×)

Fig. 4. Megacrystal biotite granite intruded by a sill of muscovite granite with a NNW-SSE-striking foliation. The younger N-S-striking shearing is clearly visible. (7/10 ×)





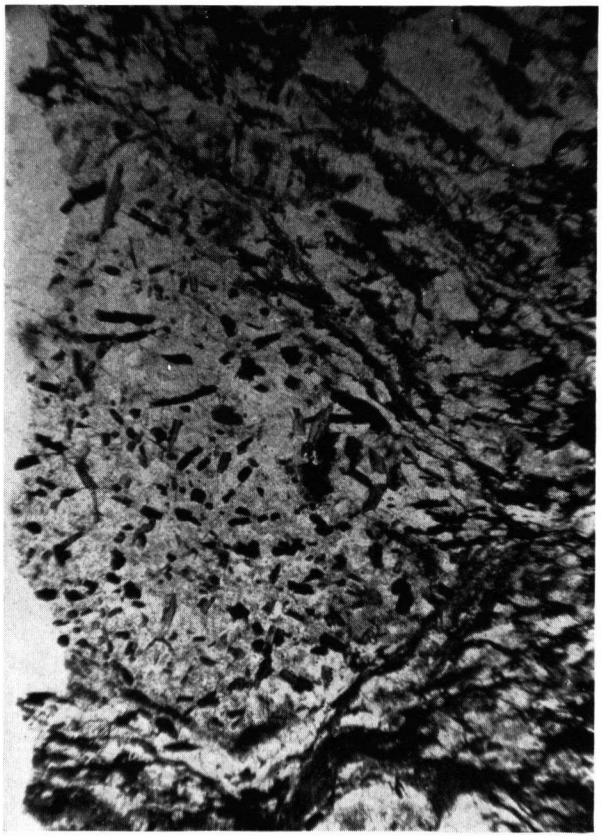


PLATE V

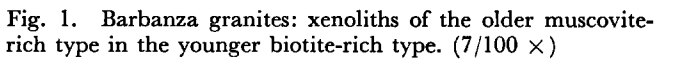


Fig. 1. Barbanza granites: xenoliths of the older muscovite-rich type in the younger biotite-rich type. (7/100 ×)

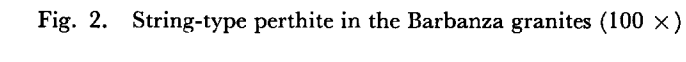


Fig. 2. String-type perthite in the Barbanza granites (100 ×)

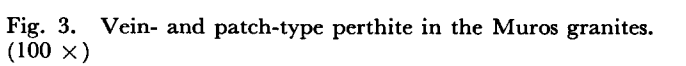


Fig. 3. Vein- and patch-type perthite in the Muros granites. (100 ×)

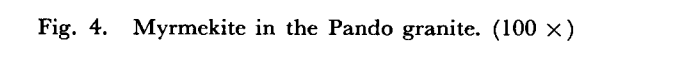
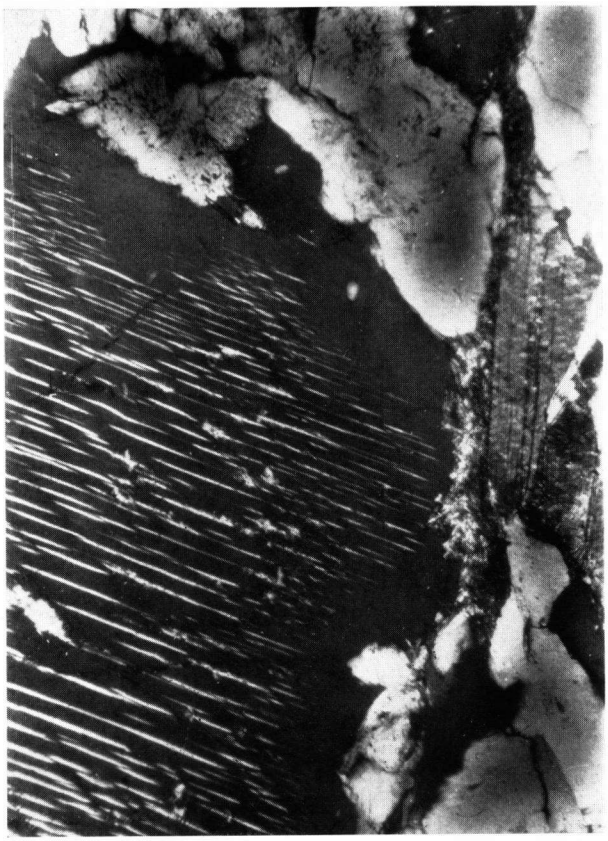
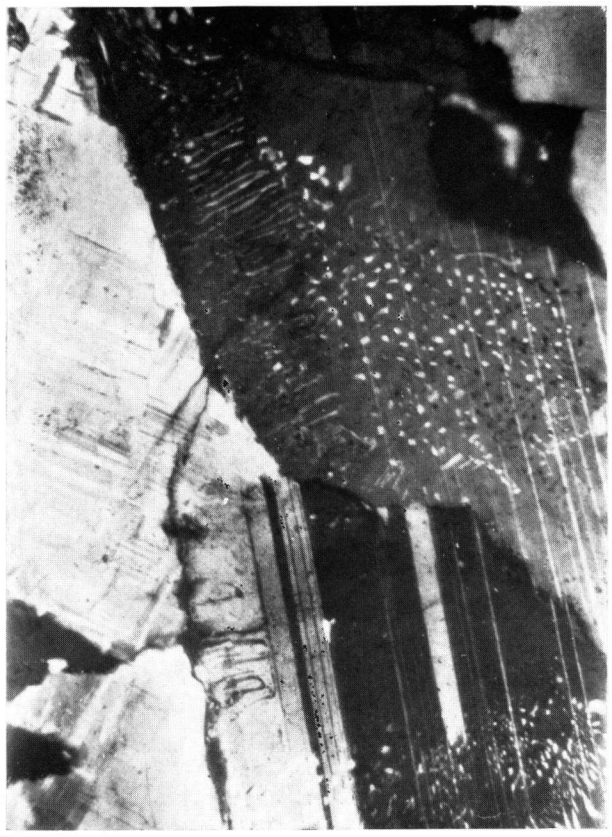
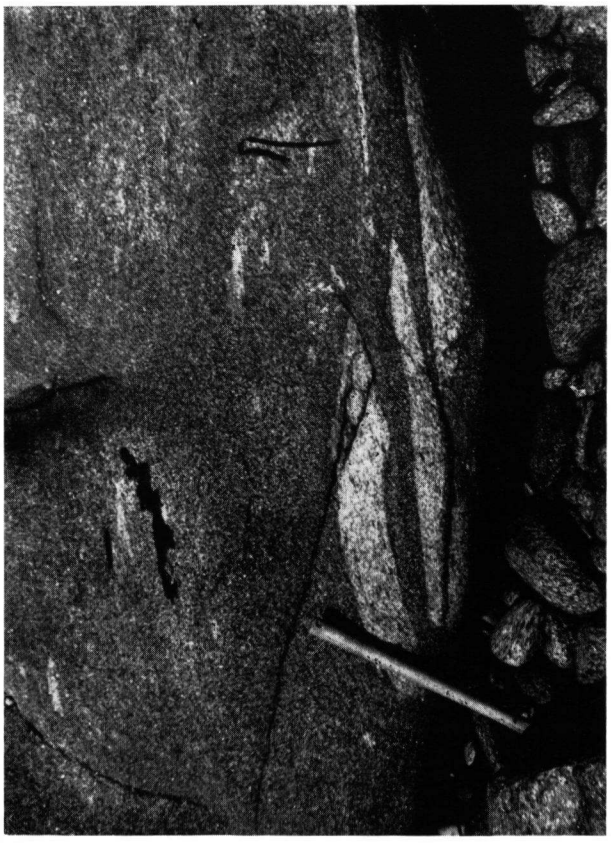
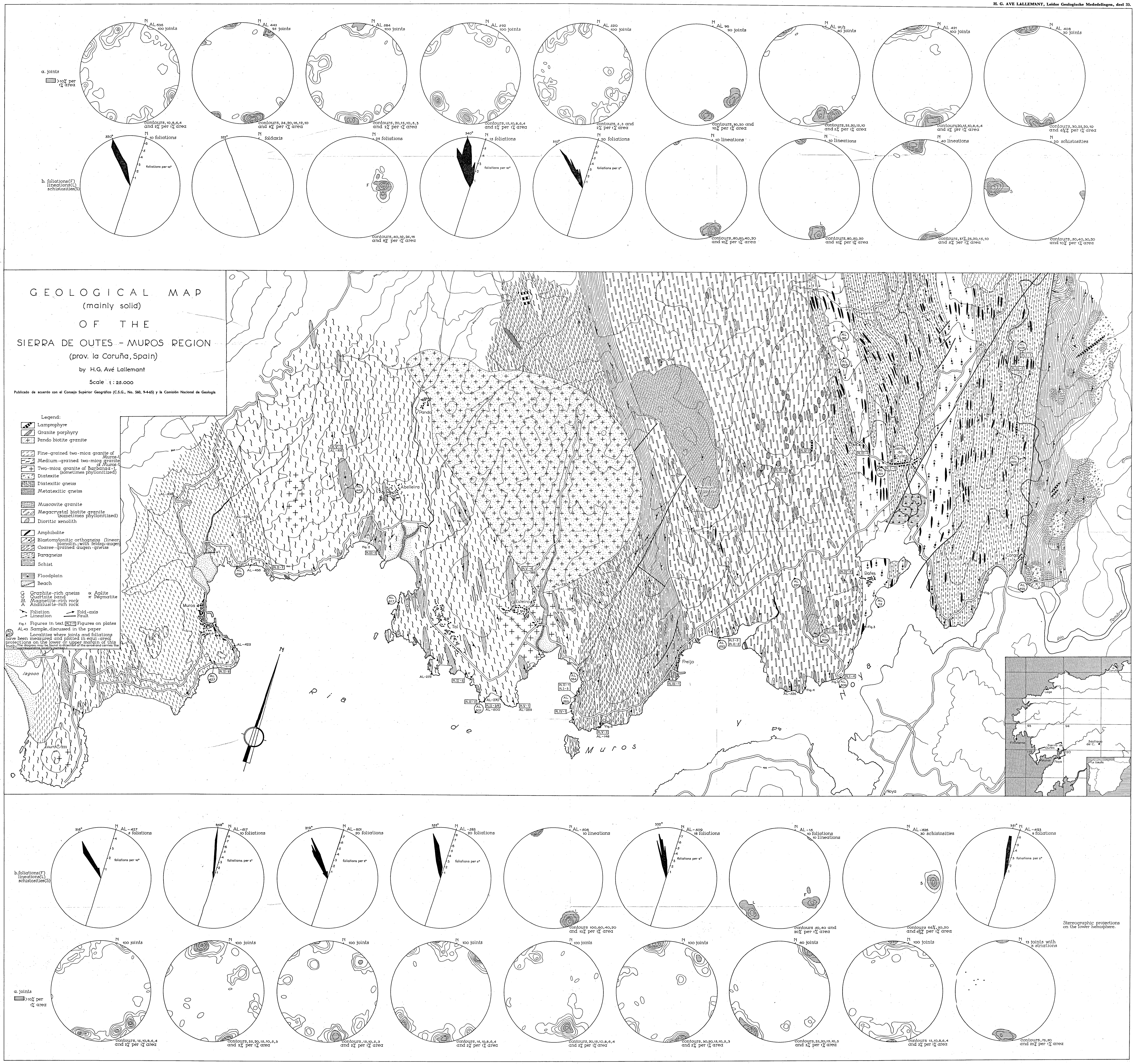


Fig. 4. Myrmekite in the Pando granite. (100 ×)








GEOLOGICAL MAP
(mainly solid)
OF THE
SIERRA DE OUTES - MUROS REGION
(prov. la Coruña, Spain)
by H.G. Avé Lallemant
Scale 1 : 25.000
Publicado de acuerdo con el Consejo Supérior Geográfico (C.S.G., No. 560, 9-4-65) y la Comisión Nacional de Geología
Legend:
Lamprophyre
Granite porphyry
Pando biotite granite
Fine-grained two-mica granite of Muros-t.
Medium-grained two-mica granite of Muros-t.
Two-mica granite of Barbanza-t. (sometimes phyllonitized)
Diatexite
Diatexitic gneiss
Metatexitic gneiss
Muscovite granite
Megacrystal biotite granite (sometimes phyllonitized)
Dioritic xenolith
Amphibolite
Blastomylonitic orthogneiss (linear; planolin.; with feldsp.-augen)
Coarse-grained augen-gneiss
Paragneiss
Schist
Floodplain
Beach
G Graphite-rich gneiss
Q Quartzite band
M Magnetite-rich rock
A Andalusite-rich rock
α Aplite
π Pegmatite
Foliation
Lineation
Fold-axis
Fault
Fig.1 Figures in text
PLI-1 Figures on plates
AL43 Sample, discussed in the paper
Localities where joints and foliations have been measured and plotted in equi-areal projections on the lower or upper margin of this map. (The diagram may be found in direction of the arrow and carries the corresponding locality number.)
a. joints
>10% per 1% area
b. foliations(F) lineations(L) schistosities(S)
Stereographic projections on the lower hemisphere.
Ria de Muros y Noya
Muros
Noya
Outes
Pando
lagoon