**EXPLANATION OF PLATE I**

*Specimens from P'oshi in the District of Lihsien*

<table>
<thead>
<tr>
<th>Figs.</th>
<th>Text-pag.</th>
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</thead>
<tbody>
<tr>
<td>1. (a) <em>Protolepidodendron scharyanum</em> Krejci, ×1·5</td>
<td>341-344</td>
</tr>
<tr>
<td>(b) Cf. <em>Drepanophycus spinæformis</em> Goepp, ×1·5</td>
<td>346-347</td>
</tr>
<tr>
<td>2. <em>Protolepidodendron scharyanum</em> Krejci, ×1·9</td>
<td>341-344</td>
</tr>
<tr>
<td>3. <em>Ibid.</em> The same fragments enlarged, ×5</td>
<td></td>
</tr>
<tr>
<td>4. <em>Ibid.</em> Another fragment, ×3</td>
<td></td>
</tr>
<tr>
<td>5. <em>Ibid.</em> The same specimen enlarged, ×6</td>
<td></td>
</tr>
<tr>
<td>6. Cf. <em>Drepanophycus spinæformis</em> Goepp. (indicated by an arrow), ×1</td>
<td>346-347</td>
</tr>
<tr>
<td>7. <em>Ibid.</em> ×1</td>
<td></td>
</tr>
<tr>
<td>8. <em>Ibid.</em> ×1</td>
<td></td>
</tr>
<tr>
<td>9. A spinous branch, ×1</td>
<td>347</td>
</tr>
<tr>
<td>10. Branched axes, ×1·2</td>
<td>350</td>
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<tr>
<td>11. <em>Tæniocrada</em> cf. <em>dubia</em> Kr. &amp; W. ×1·2</td>
<td>344-346</td>
</tr>
<tr>
<td>12. (a) A slender dichotomous branch, ×0·8</td>
<td>351</td>
</tr>
<tr>
<td>(b) Fragment of an axis, ×0·8</td>
<td>351</td>
</tr>
<tr>
<td>13. Two slender axes, ×1</td>
<td>351</td>
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<tr>
<td>14. A carbonised axis, ×1</td>
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EXPLANATION OF PLATE II

Specimens from P'oshi in the District of Lihsien

Figs. Text-pages

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17. Ibid. The hooked apex enlarged. ×14
18. Ibid. The fragment shown in Fig. 15, on the left hand side of the letter b enlarged. ×2.5
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20-21. Taniocradci cf. dubia Kr. & W. ×1 344-346
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23. Ibid. Fragment of a tracheid with bordered pits. ×428.
24. Ibid. The same piece of tracheid enlarged. ×945
**EXPLANATION OF PLATE III**

*Specimens from P'oshi in the District of Lihsien*

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<th>Description</th>
<th>Magnification</th>
<th>Text-pages</th>
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<tbody>
<tr>
<td>25.</td>
<td><em>Protolepidodendron scharyanum</em> Krejci.</td>
<td>×1</td>
<td>341–344</td>
</tr>
<tr>
<td>26.</td>
<td>Ibid.</td>
<td>×3</td>
<td></td>
</tr>
<tr>
<td>27.</td>
<td>Axis with superposed long leaf cushions, Type 2.</td>
<td>×2</td>
<td>350</td>
</tr>
<tr>
<td>28.</td>
<td><em>Hostimella</em>-like axes.</td>
<td>×1</td>
<td>349</td>
</tr>
<tr>
<td>29.</td>
<td>Ibid.</td>
<td>×1·4</td>
<td></td>
</tr>
<tr>
<td>30.</td>
<td>Shoot with crowded lanceolate leaf cushions.</td>
<td>×1</td>
<td>350</td>
</tr>
<tr>
<td>31.</td>
<td>Axes with superposed long leaf cushions, Type 1.</td>
<td>×0·8</td>
<td>349</td>
</tr>
<tr>
<td>32-33.</td>
<td>Some ribbed axes (cf. <em>Protopteridium minutum</em> Halle).</td>
<td>×1</td>
<td>347</td>
</tr>
<tr>
<td>34.</td>
<td>Ibid. Another axis.</td>
<td>×1·2</td>
<td></td>
</tr>
<tr>
<td>35.</td>
<td>Ibid. Another axis.</td>
<td>×1·2</td>
<td></td>
</tr>
<tr>
<td>36-37.</td>
<td>Some undeterminable branched axes.</td>
<td>×1</td>
<td>350</td>
</tr>
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</table>
EXPLANATION OF PLATE IV

Specimens from P'oshi in the District of Lihsien

Figs. Text-pages
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39. Ibid. The same specimen enlarged. ×10

Specimens from the District of Kunming

40. Cast of a thick stem with rhombic leaf cushions. ×1 352
41. Mould of a lepidodendroid stem in Knorria-state. ×0.8 352
42. (a) Incrustation of a ribbon-like stem. ×1 353
   (b) Cf. Asteroxylon elberfeldense Kr. & W. ×1 351
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44. Cf. Asteroxylon elberfeldense Kr. & W. ×4 351
45. Ibid. Artificial cast of the same specimen. ×2
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#### Specimen from the District of Kunming

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<th>Fig.</th>
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<tbody>
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<td>46.</td>
<td>Shoot with crowded lanceolate leaf cushions. x4</td>
<td>352-353</td>
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<tr>
<td>47.</td>
<td>Mould of an axis with long leaf cushions. x2</td>
<td>356</td>
</tr>
<tr>
<td>48-49.</td>
<td><em>Protolepidodendron scharyanum</em> Krejci. x3</td>
<td>354</td>
</tr>
<tr>
<td>50.</td>
<td>A ribbed axis. x1</td>
<td>356</td>
</tr>
<tr>
<td>51.</td>
<td>Shoot with crowded lanceolate leaf cushions. x1</td>
<td>355</td>
</tr>
<tr>
<td>52.</td>
<td>Axes with H-shaped branching (cf. <em>Zosterophyllum</em>). x1</td>
<td>354</td>
</tr>
<tr>
<td>53.</td>
<td>Ribbed axis. x0.7</td>
<td>356</td>
</tr>
<tr>
<td>54.</td>
<td><em>Ibid.</em> x2.5</td>
<td>356</td>
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#### Specimens from the District of Ch'uching

<table>
<thead>
<tr>
<th>Fig.</th>
<th>Description</th>
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<tbody>
<tr>
<td>55.</td>
<td><em>Sublepidodendron sinensis</em> sp. nov. x0.8</td>
<td>356-357</td>
</tr>
<tr>
<td>56.</td>
<td><em>Ibid.</em> Artificial cast of the same specimen. x3</td>
<td>356-357</td>
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</tbody>
</table>
of view of the affinities of the genus, we shall describe this feature in some detail. On the narrowest axis the leaves appear to be spirally placed with their bases contiguous and covering the whole surface of the stem (Pl. I, Figs. 3, 5). In the thicker proximal parts of the same shoots some leaf cushions are seen separated from each other by
Plants from Ophi...
Figs. 15—24. Specimens from P‘oshi
T. HSÜ—DEVONIAN PLANTS FROM CENTRAL YUNNAN, CHINA
Figs. 25–37. Specimens from P‘oshi
J. Hsü—Devonian Plants from Central Yunnan, China.
Figs. 38–39. Specimens from P'oshi; Figs. 40–45. Specimens from Kunming.

"J. HSÜ—DEVONIAN PLANTS FROM CENTRAL YUNNAN, CHINA"
Fig. 46. Specimen from Kunming

Figs. 47—54. Specimens from Ch'iiching; Figs. 55—56. Specimens from Luch'üan

J. Hsu—DEVONIAN PLANTS FROM CENTRAL YUNNAN CHINA