

**Table 3.3** Schemes for the classification of limestones (*A*) on dominant grain size, (*B*) on dominant constituent; prefixes can be combined if necessary, as in bio-oosparite (after R.L. Folk) and (*C*) on texture (after R.J. Dunham)

|                                |  |     |                    |      |                   |
|--------------------------------|--|-----|--------------------|------|-------------------|
| <b>A</b><br><i>Calcirudite</i> |  | 2mm | <i>Calcarenite</i> | 62µm | <i>Calclutite</i> |
|--------------------------------|--|-----|--------------------|------|-------------------|

|                                              |                                                       |                                                       |
|----------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|
| <b>B</b><br><i>Dominant constituent</i>      | <i>Rock type</i>                                      |                                                       |
|                                              | <i>Sparite cement</i>                                 | <i>Micrite matrix</i>                                 |
| oöids<br>peloids<br>bioclasts<br>intraclasts | oosparite<br>pelsparite<br>biosparite<br>intrasparite | oomicrite<br>pelmicrite<br>biomicrite<br>intramicrite |
| in situ growth : biolithite                  |                                                       |                                                       |

|                                                 |                 |              |                   |
|-------------------------------------------------|-----------------|--------------|-------------------|
| <b>C</b><br><i>Textural features</i>            |                 |              | <i>Rock types</i> |
| mud absent                                      | grain supported |              | grainstone        |
| carbonate mud present                           |                 |              | packstone         |
|                                                 | mud supported   | > 10% grains | wackestone        |
|                                                 |                 | < 10% grains | mudstone          |
| components organically bound during deposition: |                 |              | boundstone        |