

TABLE II.—Length of Normal and Regenerated Appendages During Growth of *Deinacrida rugosa*.
Deliberately Removed Tarsi Shown in Examples 1 and 2. (All dimensions are in millimetres.)

| Example Number | INSTAR | One | Two | Three | Four | Five | Six | Seven | Eight | Nine | Adult |
|----------------|---|-----|-----|-------|------|------|------|-------|-------|------|-------|
| 1 | Front Tarsus (Male) | 1.5 | 2 | 2.5 | 2.75 | 2.75 | 3.75 | 4.5 | 5 | 6 | |
| | Normal Regenerated | — | — | — | 1.5 | 2 | 3 | 3.5 | 4 | 5 | |
| 2 | Middle Tarsus (Female) | 1.5 | 2 | 2.5 | 3 | 3.25 | 4.25 | 5.5 | 6.5 | | |
| | Normal Regenerated | — | — | 2 | 2.5 | 2.75 | 3.5 | 4.25 | 5 | | |
| 3 | Hind Tarsus (Male) | | | | | | 4 | 5 | 6 | 7.5 | 9 |
| | Normal Regenerated | | | | | | — | 2 | 4 | 5.5 | 7 |
| 4a | * Middle Limb Femur and Trochanter (Male) | | | | | 4.5 | 6.25 | 8.25 | 10 | | |
| | Normal Regenerated | | | | | 3 | 4.5 | 7 | 9.5 | | |
| 4b | Middle Limb Tibia (Male) | | | | | 4 | 6 | 7.25 | 9.5 | | |
| | Normal Regenerated | | | | | 1 | 2 | 4.25 | 7 | | |
| 4c | Middle Limb Tarsus (Male) | | | | | 2.75 | 3.5 | 4.5 | 6 | | |
| | Normal Regenerated | | | | | — | 1.75 | 3 | 4.5 | | |
| 5 | Antenna (Female) | | | | 33 | 27 | 38 | 49 | | | |
| | Normal Regenerated | | | | 2 | 5 | 15 | 34 | | | |

* In this example only the tibia and tarsus were lost, but the remaining femur and trochanter became reduced in size when compared with the corresponding segments of the opposite side as the regeneration proceeded.