

replacement and additional engagements continue seriatim from those in Table V. The central carina inside the palm is rounded, and engagements produce no significant sound, while neither the lower carina inside the palm nor the inner wrist spine engage.

There are a total of 20 dorsoventral engagements in males of *O. iridescens* compared with 21 in *O. australiensis*.

TABLE VII.—Male *O. iridescens*, engagements of carapace structures by horizontal movements of chelipeds and descriptions of sounds produced. General legend as for Table II. Loud sounds indicated by "L", faint by "F". Engagements in italicised numerals are additional to those in male *O. australiensis*, but are "related" to engagements in that species. Engagements in bold numerals have no obvious counterpart to those in previous tables.

Cheliped Structure	a(i) Mov. finger inner carina	a(ii) Imm. finger inner carina	a(vii) Palm, inside, boss on upper border	a(ix) Arm, anteroint. upper surface	(additional) Ischial peg
b(i) Suborb. tooth		<i>53a</i> F rasping			
b(ii) 1st AL tooth	<b>10</b> F rasping	<b>53</b> F rasping			
b(iii) 2nd AL tooth	<b>11</b> F rasping	<i>53b</i> F rasping	<b>13</b> croak		
b(iv) 3rd AL tooth	<b>12</b> F rasping	<i>53c</i> F rasping	<b>14</b> croak		
b(v) 4th AL tooth			<b>15</b> croak		
b(vi) 5th AL tooth				<b>69</b> rasping	
b(vii) cutic. arc				<b>16</b> L rasping	
(Additional) Pterygostomial striae					<b>17</b> L croaking rasp

Horizontal movements of the chelipeds (see Table VII) do not involve engagements of dorsal, central or lower carinae of the inside of the palm or of the inner wrist spine. Instead the boss on the upper side of the palm near the articulation of the movable finger engages certain anterolateral teeth. Bold numerals are given for these additional engagements.

An additional plectrum, one of the special modifications in this subgroup, is the ischial peg. Its engagements have no parallel in the species previously considered, and are again indicated in Table VII in bold type.

There are a total of 13 horizontal engagements in males of *O. iridescens* compared with 16 in *O. australiensis*.

### III. Fifth leg engaging carapace structures

The carpus of the fifth leg engages the granular postlateral border of the carapace by a vertical movement to produce a scratching sound; this engagement is similar to one occurring in *O. georgei*.

The total number of engagements producing sounds in moderate-sized males of *O. iridescens* is approximately 50.