

L1 DOLIOPONERA genus nov.

By William L. Brown, Jr.  
Department of Entomology  
Cornell University  
Ithaca, New York 14853, USA.

Pilot Register of Zoology  
Card No. 31  
Issued 20 November 1974

L2 Insecta: Hymenoptera: Formicidae

L3  
L4  
L5 Worker: Small Ponera-sized, slender, body cylindrical. Head narrow, parallel-sided, with minute anteriorly  
L6 placed compound eyes. Frontal lobes broad, placed anteriorly so as to overlap clypeus, separated only by a fine  
L7 median sulcus. Median free lobe of clypeus briefly produced, broad, truncate. Mandibles short, triangular, with  
L8 distinct basal and masticatory borders meeting at a rounded angle; masticatory border concave, armed with an a-  
L9 cute apical tooth and one smaller subapical tooth; basad of this the masticatory border is cultrate, but arising  
L10 from its inner ventral side are 6 fine, short, acute separated teeth that are not part of the regular serial  
L11 dentition, but may be modified setae. Antennae robust, 12-merous, with a very much enlarged apical segment.

L12 Trunk narrow, separated into 2 parts by an apparently flexible promesonotal suture a little in front of the  
L13 midlength, but the dorsal outline forms one gently convex curve from front to rear, without other sutures.  
L14 Propodeum bluntly biangulate. Only 1 broad pectinate spur on each tibial apex. Tarsal claws small, simple.

L15 Petiolar node sessile, barrel-shaped and moderately elongate axially. Postpetiole also barrel-shaped, a  
L16 little longer and broader than petiole; next gastric (IV abdominal) segment cylindrical, axially aligned with  
L17 postpetiole and similar to it in height, but much longer and a little wider. Small apical segments of gaster  
L18 moderately downcurved; sting long, slender, curved, exerted.

L19 Sculpture densely and finely punctulate, predominantly opaque. Pilosity very short, appressed to decumbent,  
L20 almost pruinose, with some short suberect hairs under the petiole and gaster, on the clypeal lobe, mouthparts,  
L21 and at gastric apex. Color brownish ferruginous; mandibles and appendages lighter, more yellowish.

L22 Queen and male unknown.

L23 Type species: Dollioponera fustigera, described on PRZ Card No. 32, by present designation, monobasic.

L24 Distribution as known: Gabon, central west Africa.

L25 This genus is related to Pachycondyla s. lat., but to exactly which group of Pachycondyla it is hard to say  
L26 without knowing the sexual castes and the larvae. In the loss of the secondary (lateral) apical spurs of the  
L27 middle and hind tibiae, Dollioponera resembles the crassa group ("Bothroponera"); the petiolar form may also  
L28 indicate affinities in this direction, though it is distinctive in its own right. The broad, truncate median  
L29 free clypeal lobe is like those of the Indo-Australian groups that have been classified as Trapeziopelta and  
Pseudoponera. The mandibles are unlike those of any Pachycondyla, particularly in their dentition.

L30  
L31  
L32  
L33  
L34  
L35  
L36  
L37  
L38  
L39  
L40  
L41  
L42  
L43  
L44  
L45  
L46  
L47  
L48  
L49  
L50  
L51  
L52  
L53  
L54  
L55  
L56  
L57  
L58  
L59  
L60  
L61  
L62  
L63  
L64  
L65  
L66  
L67  
L68  
L69  
L70  
L71  
L72  
L73  
L74  
L75  
L76  
L77  
L78  
L79  
L80  
L81  
L82  
L83  
L84  
L85  
L86  
L87  
L88  
L89  
L90  
L91  
L92  
L93  
L94  
L95  
L96  
L97  
L98  
L99  
L100  
L101  
L102  
L103  
L104  
L105  
L106  
L107  
L108  
L109  
L110  
L111  
L112  
L113  
L114  
L115  
L116  
L117  
L118  
L119  
L120  
L121  
L122  
L123  
L124  
L125  
L126  
L127  
L128  
L129  
L130  
L131  
L132  
L133  
L134  
L135  
L136  
L137  
L138  
L139  
L140  
L141  
L142  
L143  
L144  
L145  
L146  
L147  
L148  
L149  
L150  
L151  
L152  
L153  
L154  
L155  
L156  
L157  
L158  
L159  
L160  
L161  
L162  
L163  
L164  
L165  
L166  
L167  
L168  
L169  
L170  
L171  
L172  
L173  
L174  
L175  
L176  
L177  
L178  
L179  
L180  
L181  
L182  
L183  
L184  
L185  
L186  
L187  
L188  
L189  
L190  
L191  
L192  
L193  
L194  
L195  
L196  
L197  
L198  
L199  
L200  
L201  
L202  
L203  
L204  
L205  
L206  
L207  
L208  
L209  
L210  
L211  
L212  
L213  
L214  
L215  
L216  
L217  
L218  
L219  
L220  
L221  
L222  
L223  
L224  
L225  
L226  
L227  
L228  
L229  
L230  
L231  
L232  
L233  
L234  
L235  
L236  
L237  
L238  
L239  
L240  
L241  
L242  
L243  
L244  
L245  
L246  
L247  
L248  
L249  
L250  
L251  
L252  
L253  
L254  
L255  
L256  
L257  
L258  
L259  
L260  
L261  
L262  
L263  
L264  
L265  
L266  
L267  
L268  
L269  
L270  
L271  
L272  
L273  
L274  
L275  
L276  
L277  
L278  
L279  
L280  
L281  
L282  
L283  
L284  
L285  
L286  
L287  
L288  
L289  
L290  
L291  
L292  
L293  
L294  
L295  
L296  
L297  
L298  
L299  
L300  
L301  
L302  
L303  
L304  
L305  
L306  
L307  
L308  
L309  
L310  
L311  
L312  
L313  
L314  
L315  
L316  
L317  
L318  
L319  
L320  
L321  
L322  
L323  
L324  
L325  
L326  
L327  
L328  
L329  
L330  
L331  
L332  
L333  
L334  
L335  
L336  
L337  
L338  
L339  
L340  
L341  
L342  
L343  
L344  
L345  
L346  
L347  
L348  
L349  
L350  
L351  
L352  
L353  
L354  
L355  
L356  
L357  
L358  
L359  
L360  
L361  
L362  
L363  
L364  
L365  
L366  
L367  
L368  
L369  
L370  
L371  
L372  
L373  
L374  
L375  
L376  
L377  
L378  
L379  
L380  
L381  
L382  
L383  
L384  
L385  
L386  
L387  
L388  
L389  
L390  
L391  
L392  
L393  
L394  
L395  
L396  
L397  
L398  
L399  
L400  
L401  
L402  
L403  
L404  
L405  
L406  
L407  
L408  
L409  
L410  
L411  
L412  
L413  
L414  
L415  
L416  
L417  
L418  
L419  
L420  
L421  
L422  
L423  
L424  
L425  
L426  
L427  
L428  
L429  
L430  
L431  
L432  
L433  
L434  
L435  
L436  
L437  
L438  
L439  
L440  
L441  
L442  
L443  
L444  
L445  
L446  
L447  
L448  
L449  
L450  
L451  
L452  
L453  
L454  
L455  
L456  
L457  
L458  
L459  
L460  
L461  
L462  
L463  
L464  
L465  
L466  
L467  
L468  
L469  
L470  
L471  
L472  
L473  
L474  
L475  
L476  
L477  
L478  
L479  
L480  
L481  
L482  
L483  
L484  
L485  
L486  
L487  
L488  
L489  
L490  
L491  
L492  
L493  
L494  
L495  
L496  
L497  
L498  
L499  
L500  
L501  
L502  
L503  
L504  
L505  
L506  
L507  
L508  
L509  
L510  
L511  
L512  
L513  
L514  
L515  
L516  
L517  
L518  
L519  
L520  
L521  
L522  
L523  
L524  
L525  
L526  
L527  
L528  
L529  
L530  
L531  
L532  
L533  
L534  
L535  
L536  
L537  
L538  
L539  
L540  
L541  
L542  
L543  
L544  
L545  
L546  
L547  
L548  
L549  
L550  
L551  
L552  
L553  
L554  
L555  
L556  
L557  
L558  
L559  
L560  
L561  
L562  
L563  
L564  
L565  
L566  
L567  
L568  
L569  
L570  
L571  
L572  
L573  
L574  
L575  
L576  
L577  
L578  
L579  
L580  
L581  
L582  
L583  
L584  
L585  
L586  
L587  
L588  
L589  
L590  
L591  
L592  
L593  
L594  
L595  
L596  
L597  
L598  
L599  
L600  
L601  
L602  
L603  
L604  
L605  
L606  
L607  
L608  
L609  
L610  
L611  
L612  
L613  
L614  
L615  
L616  
L617  
L618  
L619  
L620  
L621  
L622  
L623  
L624  
L625  
L626  
L627  
L628  
L629  
L630  
L631  
L632  
L633  
L634  
L635  
L636  
L637  
L638  
L639  
L640  
L641  
L642  
L643  
L644  
L645  
L646  
L647  
L648  
L649  
L650  
L651  
L652  
L653  
L654  
L655  
L656  
L657  
L658  
L659  
L660  
L661  
L662  
L663  
L664  
L665  
L666  
L667  
L668  
L669  
L670  
L671  
L672  
L673  
L674  
L675  
L676  
L677  
L678  
L679  
L680  
L681  
L682  
L683  
L684  
L685  
L686  
L687  
L688  
L689  
L690  
L691  
L692  
L693  
L694  
L695  
L696  
L697  
L698  
L699  
L700  
L701  
L702  
L703  
L704  
L705  
L706  
L707  
L708  
L709  
L710  
L711  
L712  
L713  
L714  
L715  
L716  
L717  
L718  
L719  
L720  
L721  
L722  
L723  
L724  
L725  
L726  
L727  
L728  
L729  
L730  
L731  
L732  
L733  
L734  
L735  
L736  
L737  
L738  
L739  
L740  
L741  
L742  
L743  
L744  
L745  
L746  
L747  
L748  
L749  
L750  
L751  
L752  
L753  
L754  
L755  
L756  
L757  
L758  
L759  
L760  
L761  
L762  
L763  
L764  
L765  
L766  
L767  
L768  
L769  
L770  
L771  
L772  
L773  
L774  
L775  
L776  
L777  
L778  
L779  
L780  
L781  
L782  
L783  
L784  
L785  
L786  
L787  
L788  
L789  
L790  
L791  
L792  
L793  
L794  
L795  
L796  
L797  
L798  
L799  
L800  
L801  
L802  
L803  
L804  
L805  
L806  
L807  
L808  
L809  
L810  
L811  
L812  
L813  
L814  
L815  
L816  
L817  
L818  
L819  
L820  
L821  
L822  
L823  
L824  
L825  
L826  
L827  
L828  
L829  
L830  
L831  
L832  
L833  
L834  
L835  
L836  
L837  
L838  
L839  
L840  
L841  
L842  
L843  
L844  
L845  
L846  
L847  
L848  
L849  
L850  
L851  
L852  
L853  
L854  
L855  
L856  
L857  
L858  
L859  
L860  
L861  
L862  
L863  
L864  
L865  
L866  
L867  
L868  
L869  
L870  
L871  
L872  
L873  
L874  
L875  
L876  
L877  
L878  
L879  
L880  
L881  
L882  
L883  
L884  
L885  
L886  
L887  
L888  
L889  
L890  
L891  
L892  
L893  
L894  
L895  
L896  
L897  
L898  
L899  
L900  
L901  
L902  
L903  
L904  
L905  
L906  
L907  
L908  
L909  
L910  
L911  
L912  
L913  
L914  
L915  
L916  
L917  
L918  
L919  
L920  
L921  
L922  
L923  
L924  
L925  
L926  
L927  
L928  
L929  
L930  
L931  
L932  
L933  
L934  
L935  
L936  
L937  
L938  
L939  
L940  
L941  
L942  
L943  
L944  
L945  
L946  
L947  
L948  
L949  
L950  
L951  
L952  
L953  
L954  
L955  
L956  
L957  
L958  
L959  
L960  
L961  
L962  
L963  
L964  
L965  
L966  
L967  
L968  
L969  
L970  
L971  
L972  
L973  
L974  
L975  
L976  
L977  
L978  
L979  
L980  
L981  
L982  
L983  
L984  
L985  
L986  
L987  
L988  
L989  
L990  
L991  
L992  
L993  
L994  
L995  
L996  
L997  
L998  
L999  
L1000

L100 Edited by W. L. Brown, Jr.

A89690X

R1  
R2  
R3  
R4  
R5  
R6  
R7  
R8  
R9  
R10  
R11  
R12  
R13  
R14  
R15  
R16  
R17  
R18  
R19  
R20  
R21  
R22  
R23  
R24  
R25  
R26  
R27  
R28  
R29

B1 B2 B3 B4 B5 B6 B7 B8 B9 B10 B11 B12 B13 B14 B15 B16 B17 B18 B19 B20 B21 B22 B23 B24 B25 B26 B27 B28 B29 B30 B31 B32