

- b. Third post-nuclear whorl with less than 120 riblets *pilula*
 bb. Third post-nuclear whorl with more than 120 riblets *subantarctica*
 B. Protoconch smooth or at most occasionally very indistinctly spirally striated (sub-genus *Neophenacohelix*)
 a. Shell almost imperforate *tholoides*
 aa. Shell with moderate umbilicus
 b. Diameter of shell at 3 post-nuclear whorls greater than 5.5 mm, protoconch with distal rufous pattern *perplexa*
 bb. Diameter of shell at 3 post-nuclear whorls less than 5.5 mm
 c. Riblets strongly retractive, umbilicus relatively larger *stokesi*
 cc. Riblets not strongly retractive, umbilicus relatively smaller *giveni*

LOCALITY KEY FOR THE SPECIES OF *Phenacohelix*

NORTH ISLAND

<i>Cape Maria van Diemen—North Cape Area</i>	<i>tholoides</i>
<i>Northland Peninsula (Awanui to Auckland)</i>	
As far south as Kaikohe (Tautoro)	<i>tholoides</i>
Throughout	<i>pilula</i>
Throughout	<i>giveni</i>
<i>South of Auckland to a Line from Wanganui to Napier</i>	
Throughout, except Central Plateau and possibly East Cape	<i>pilula</i>
Throughout, except Central Plateau and Easterly Districts	<i>giveni</i>
Throughout, except Central Plateau and Easterly Districts	<i>ponsonbyi</i>
Districts East of Whakatane-Napier and between Cape Egmont and Wanganui	<i>perplexa</i>
<i>South of Wanganui-Napier to Wellington</i>	
Throughout	<i>pilula</i>
Throughout	<i>stokesi</i>
Mainly Western	<i>giveni</i>

SOUTH ISLAND

Northern Areas, South to Greymouth	<i>stokesi</i>
North and Southern Areas and possibly Intermediate West Coast areas	<i>pilula</i>

STEWART ISLAND

pilula

AUCKLAND ISLANDS

un-named

CAMPBELL ISLAND

*subantarctica*TABLE VI.—POST-NUCLEAR WHORL RIBLET RANGES, PROTOCONCH WIDTHS, RANGES AND RADULA FORMULAE OF *Phenacohelix* spp.

Riblets	sub-						
	<i>ponsonbyi</i>	<i>pilula</i>	<i>antarctica</i>	<i>tholoides</i>	<i>giveni</i>	<i>perplexa</i>	<i>stokesi</i>
1st Whorl	31-45	26-50	?	31-60	31-50	26-55	15-50
2nd Whorl	41-75	30-75	?	46-90	41-70	51-85	31-65
3rd Whorl	60-110	50-80	?	71-115	60-100	71-125	46-90
4th Whorl							51-90
Protoconch							
Widths (1 mm = 200 units)	131-190	96-175	?	151-205	151-230	185-305	176-265
Radula							
Formula	24+1+24	20+1+20	?	21+1+21	26+1+26	26+1+26	22+1+22

RADULA FORMULAE

Table VI summarizes the information in respect of the species in the genus as it is now re-constituted.

DISCUSSION

The genus as reconstituted comprises seven species. These are distributed over the North Island (six), the South Island (two), Stewart Island (one), and Camp-