

From	An illustrated key to nematodes found in fresh water (November 1977)	To
Start	A Specimen	1
1	Cephalic setae indistinct or absent	2
1	Cephalic setae absent but setae-like head appendages present	64
1	Cephalic setae present	69
2	Stylet present	3
2	Stylet absent	38
3	Base of stylet knobbed or flanged	4
3	Stylet knobs or flanges absent	29
4	Valvate median esophageal bulb present	5
4	Valvate median esophageal bulb absent	22
5	Females eel-like	6
5	Females swollen	21
6	Vulva at mid-body	7
6	Vulva on lower third of body	14
7	Esophagus not overlapping intestine	8
7	Esophagus overlapping intestine	11
8	Stylet length less than 50 μm	9
8	Stylet length greater than 80 μm	Dolichodorus
9	Tail terminus bluntly pointed	Quinisulcius
9	Tail terminus not pointed	10
10	Tail terminus knobbed	Psilenchus
10	Tail terminus never knobbed or pointed	Tylenchorhynchus, Merlinius, Geocenamus (in part), Scutylenchus, Nagelus
11	Labium offset	12
11	Labium flattened amalgamated or nearly so	13
12	Stylet massive, 40-50 μm long	Hoplolaimus
12	Stylet long and thin, greater than 90 μm long	Belonolaimus
13	Body 0.5-1 mm	Radopholus
13	Body 2-3 mm long	Hirshmaniella
14	Cuticle heavily annulated, stylet elongate	15
14	Cuticle not heavily annulated, stylet short	17
14	Cuticle not heavily annulated, stylet long	Paratylenchus
15	Cuticular sheath absent	16
15	Cuticular sheath present	Hemicycliophora
16	Annules with cuticular spines or scales	Criconema
16	Annules plain without spines or scales	Mesocriconema

17	Body death position straight	18
17	Body death position spiral	Helicotylenchus
18	Median esophageal bulb distinct but not pronounced	19
18	Median esophageal bulb well-developed	Aphelenchoides
19	Esophagus overlapping intestine	20
19	Esophagus not overlapping intestine	Tylenchus
20	Median bulb and valves small, stylet usually weak	Ditylenchus
20	Median bulb valves and stylet well developed, labium flattened	Pratylenchus
21	Female body white without eggs	Meloidogyne
21	Female body brown, usually with eggs	Heterodera
22	Stylet short, less than 100 μm	23
22	Stylet long, greater than 100 μm	Xiphinema
23	Stylet complex	24
23	Stylet simple	25
24	Stylet with anterior arch-like portion	Diphtherophora
24	Stylet with dorsal thickening piece	Tylencholaimellus
25	Stylet knobs elongate, flange-like	26
25	Stylet knobs round	27
26	Filiform tail	Aulolaimoides
26	Round tail	Enchodelus
27	Tail rounded	28
27	Tail pointed	Nothotylenchus
28	Basal part esophagus elongate	Tylencholaimus
28	Basal part esophagus oval	Doryllium
29	Valvate median esophageal bulb absent	30
29	Valvate median esophageal bulb present	37
30	Stomal walls not cuticularized	31
30	Stomal walls cuticularized	(Actinolaimus, Metactinolaimus, Neoactinolaimus, Paractinolaimus) .. Actinolaiminae
31	Esophagus with basal expansions	32
31	Esophagus expanding uniformly	Oionchus
32	Terminal fifth or sixth of esophagus an ovoid bulb	33
32	Posterior third of esophagus swollen	36
33	Stylet axial, positioned centrally	34
33	Stylet not axial originating from tooth in stoma wall	Campydora
34	Gonads paired, vulva usually near mid-body	35

34	Gonads single, posterior to vulva. Vulva usually anterior to mid-body	Tyleptus
35	Stylet slender	Leptonchus
35	Stylet not slender	Dorylaimoides
36	Stylet axial, positioned centrally	(Dorylaimus, Eudorylaimus, Labronema, Mesodorylaimus, Thornia, Laimydorus, Prodorylaimus) .. Dorylaiminae
36	Stylet not axial, originating from tooth in stoma wall	Nygolaimus
37	Tail pointed	Seinura
37	Tail rounded	Aphelenchus
38	Teeth present, prominent	39
38	Teeth absent, minute, or indistinct	50
39	Esophagus without mid-region expansion	40
39	Esophagus expanded at mid-region	49
40	Tail pointed or tapering	41
40	Tail rounded	47
41	Male tail without setae	42
41	Male tail with setae	Oncholaimus
42	Stoma with denticles	43
42	Stoma without denticles	45
43	Denticles scattered or in longitudinal rows	44
43	Denticles in transverse rows	Mylonchulus
44	Denticles situated on longitudinal rib of stoma	Prionchulus
44	Denticles scattered on stoma wall	Sporonchulus
45	Tooth anteriorly directed	46
45	Tooth retrorse	Anatonchus
46	Tooth in basal part of stoma	Iotonchus
46	Tooth in anterior part of stoma	Mononchus
47	Stoma with prominent medial or apical tooth	48
47	Stoma with small basal tooth	Bathyodontus
48	Stoma with 3 teeth, without small basal tooth, caudal glands terminal	Enoplocheilus
48	Stoma with large anterior & small basal tooth, caudal glands ventral	Mononchulus
49	Lip region with rib-like armature	Mononchoides
49	Lip region without rib-like armature	Diplogaster
50	Esophagus with basal expansions	51
50	Esophagus uniformly cylindrical	60

51	Esophagus without mid-region expansion	52
51	Esophagus expanded at mid-region	55
52	Amphids distinct	53
52	Amphids indistinct	54
53	Stomat walls anteriorly inflated with minute tooth	Microilaimus
53	Stoma walls without tooth and with straight, tapering sides	Leptolaimus
54	Stoma with 3 rod-like thickenings	Rhabdolaimus
54	Stoma without rod-like thickenings	Monochromadora
55	Gonads paired	56
55	Gonads single	58
56	Stomal walls straight amalgamated	57
56	Stomal walls separated, not straight	Alloionema
57	Moderately swollen metacarpus, stoma not excessively elongate	Rhabditis
57	Elongate, cyclindrical metacarpus, stoma elongate	Cylindrocorpus
58	Tail with sharp terminus	59
58	Tail bluntly conical	Cephalobus
59	Anterior part of stoma a broad, open chamber	Panagrolaimus
60	Stoma absent or indistinct	61
60	Stoma distinct	63
61	Lip region narrow, tooth absent	62
61	Lip region broad, small denticle apparent in stomal area	Tripyla
62	Amphid aperture appearing as large slit	Amphidelus
62	Aphid aperture appearing as minute pores	Alaimus
63	Stoma narrow and long	Cryptonchus
63	Stoma wide and shallow	Bathyonchus
64	Body symmetrical	65
64	Body asymmetrical, bearing series of protuberances on side	Bunonema
65	Lip appendages not elaborate	66
65	Lip appendages elaborate	68
66	Lateral lip appendages thorn-like directed laterally	Diploscapter
66	Lateral lip appendages not thorn-like or directed laterally	67
67	Papillae or setae horn-like	Macrolaimus
67	Lips flap-like and pointed anteriorly	Teratocephalus
68	Lip appendages forked and elaborately fringed	Acrobeles
68	Lip appendages membranous and wing-like	Wilsonema, Tylocephalus
69	Post-cephalic setae absent	70
69	Post-cephalic seate present (may be very faint Ex.Â Tobrilus) .	92
70	Stylet absent	71
70	Stylet present	91

71	Teeth absent, minute or indistinct	72
71	Teeth usually present, prominent	85
72	Esophagus with basal expansions	73
72	Esophagus uniformly cylindrical	82
73	Amphids oval, spiral, or stirrup-shaped	74
73	amphids circular	80
74	Amphids spiral	75
74	Amphids not spiral	79
75	Cuticular punctations absent	76
75	Cuticular punctations present	78
76	Esophageal bulb without valves	77
76	Esophageal bulb valvate	Plectus & Anaplectus
77	Esophageal-intestinal valve elongate	Paraplectonema
77	Esophageal-intestinal valve shortened	Paraphanolaimus
78	Labial region characteristically flap-like	Euteratocephalus
78	Labial region not flap-like, lips bluntly rounded	Ethmolaimus
79	Amphids oval	Greenenema
79	Amphids stirrup-shaped	Chronogaster
80	Esophageal-intestinal valve shortened	81
80	Esophageal-intestinal valve elongate	Desmolaimus
81	Excretory pore and large excretory gland present	Domorganus
81	Excretory pore and gland indistinct or absent	Monhystera
82	Stoma wide and shallow, conspicuous, tail filiform	Prismatolaimus
82	Stoma narrow, elongate, collapsed or inconspicuous	83
83	Gonad single	Cylindrolaimus
83	Gonads paired	84
84	Amphids inconspicuous	Tripyla
84	Amphids conspicuous	Aphanolaimus
85	Terminal fifth or sixth of esophagus an ovoid bulb	86
85	Esophagus uniformly cylindrical, stoma with massive teeth	Ironus
86	Cuticular punctations present	87
86	Cuticular punctations absent	89
87	Amphids not spiral	88
87	Amphids spiral	Achromadora
88	Four longitudinal rows of cuticular markings present	Chromadora
88	No longitudinal rows of cuticular markings present	Prochromadorella
89	Amphids distinct	90
89	Amphids indistinct	Butlerius
90	Female gonad double, amphid hook-shaped	Anonchus

90	Female gonad single, amphid circular	Monhystrella
91	Lip region annulated, not set off	Atylenchus
91	Lip region smooth, set off	Eutylenchus
92	Esophagus with basal expansion	93
92	Esophagus uniformly cylindrical	98
93	Cuticular punctation present, amphids not circular	94
93	Cuticular punctation absent, amphids circular	97
94	Ocelli (eye spots) present	95
94	Ocelli absent	96
95	Stoma with three equal-sized teeth	Chromadorina
95	Stoma with at least one large tooth	Punctodora
96	Cuticle with lateral longitudinal rows of punctation	Hypodontolaimus
96	Cuticle without lateral differentiations	Chromadorita
97	Esophageal bulb valvate	Prodesmodora
97	Esophageal bulb without valves	Odontolaimus
98	Amphid anterior on body	99
98	Amphid posteriorly located	Bastia
99	Amphid spiral	Paracyatholaimus
99	Amphid cup-shaped or obscure	100
100	Stomal teeth massive	Oncholaimus
100	Stomal teeth small	Tobrilus