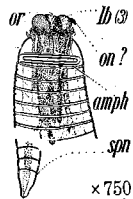


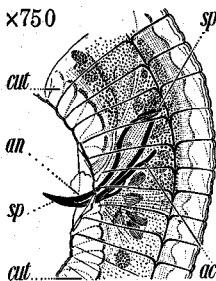
117. *Actinonema pachydermatum* n. sp. Cuticle naked, very thick, occupying one-half the radius as measured at the base of the neck. Annules alike except



.95	8.6	16.	150 ¹⁵	81.
.8	2.4	3.3	4.2	2.5
>.83				
.35	9.2	16.	66	85.
1.	2.4	2.7	2.9	2.5
>.9				

that they grow narrower toward the extremities, especially the head end; resolvable with difficulty into rod-like markings,—with less difficulty on the anterior half of the body. The prominent wings, beginning on the neck, end near the middle of the tail. As there are deep, narrow grooves between the annules, the contour of the body is irregularly crenate. Head set off by contraction and a deep constriction, subtruncate; mouth more or less depressed. The lip-region is one-half as high as wide, and appears to be composed of three fairly well developed, rounded, subdistinct lips, which are set off by constriction. This lip-region appears as if protruding from within the thick cuticle, and stains in carmine while the cuticle remains quite colorless. On the lips there are no obvious signs of a cuticle. The pharynx is very small and inconspicuous, or even absent apparently. There seems to exist, however, a minute, more or less arcuate dorsal onchium, to be seen in balsam specimens only when exerted. The neck is conoid, the head convex-conoid. Amphids nearly straight transverse slits, four-fifths as long as the corresponding diameter of the head, and apparently eight times as long as wide. One of the foremost annules appears to be more or less dislocated;—that is to say, the regular succession of the fore-most annules is somewhat disturbed by

x750



the presence of the amphids, which are otherwise almost invisible. Oesophagus more or less conoid, but decidedly clavate posteriorly. Near the head it is two-fifths, near the nerve-ring about one-fourth, and finally one-half, as wide as the corresponding portion of the neck. There is no distinct cardia. The rather thin-walled intestine, which becomes at once two-fifths as wide as the body, has a distinct lumen. Its cross-section presents four to six cells. Cardiac collum one-fifth as wide as the body. From the depressed anus the prominent cutinized rectum is one and one-fourth times as long as the anal body-diameter. The cells of the intestine contain numerous, very fine, colorless granules. The conoid, subarcuate tail tapers from in front of the anus to the simple, unarmed, convex-conoid, rather blunt spinneret. The ellipsoidal caudal glands are small and inconspicuous, more or less unsymmetrical, and apparently lie in a close tandem opposite the anus. The elongated to fusiform, granular renette cell lies behind the neck a distance equal to one and one-half body-diameters; it is as long as the body is wide and one-fifth as wide as long. Female sexual organs double. The tapering ovaries are of moderate size and extend half way back to the vulva. They contain few ova arranged for the most part single file. The simple, strong, tapering, rather stout spicula are at their widest part about one-sixth as wide as long. Their proximal ends appear to lie more or less opposite the body-axis. The simple, rather frail, slender accessory piece is about two-thirds as long as the spicula. There are no supplements or special papillae.

Habitat: "Seagrass," shoal, two miles off Key West, Florida, U. S. A. Fig. 117.

ABBREVIATIONS USED IN ILLUSTRATIONS

Frequently the abbreviations are combined, thus: *set trm*, *seta terminalis*, terminal hair; *set eph dat subl*, *seta cephalica dextra sublateralis*, right sublateral cephalic seta.

A*c*, accessory
af, afferent
al, wing

amp, ampulla
amph, amphid
an, anus, anal
anak, anakinesis, anaphase
ann, annule
ant, anterior
anus, anus
apic, apiculum
apnd, appendage
apph, apophysis
ar, area, field
asp, aspect, view
ast, aster
axil, axil, axillary
ax, axis, axis

B*as*, base
birefr, birefringent
blb, bulb, bulbous
brs, bursa, bursal

C*al*, lime, calcareous
cav, cavity
cd, cdl, tail, caudal
cer, ceratin, ceratinous
cerv, cervical
chrm, color, chromatic
chrmt, chromatin
chrsm, chromosome
chrt, chromatul
cir, cirrus, cirri
cl, cell, cellular
clo, cloaca, cloacal
cle, cleavage, cleft
cntr, centrosome
col, collum, constriction
com, commissure
comp, companion
constr, constriction
cop, copulatory
corp, body, thing, corpus
cost, costa, rib, costal
cph, cephalum, cephalic
cpl, hair, capillary
crd, cardia, cardiac
crib, sieve, mesh
crp, corpus, body, thing
crv, neck, cervical
cryst, crystal, crystalline
cst, costa, rib, costal
cut, cuticle, cuticular
cutn, cutin, cutinous
cytp, cytoplasm

D*ct*, duct
dep, deposit, deposited
diast, diaster
dir, directrix, guide
dnt, tooth, dental
dncl, denticle, little tooth
dsc, disc, discoid
dsl, dorsal, dorsad
dst, distal, far, farther
dct, right, right-hand

E*f*, efferent
elast, elastic spring, springy
elev, elevation
elmt, element, component
emb, embryo, embryonic
eq, equator, equatorial
ex, excreta, excretory
ex p, excretory pore
extn, extension, extended
extnl, external
extr, exterior, outer

F*ab*, fb, framework
fasc, fascicle
fibr, fibre, fibrous
flx, flexure

fr, front, frontal
frt, fertile, fertilized
furc, furcation, forked

G*am*, gamete
gl, gland, glandular
glot, glottis, glottoid
gub, gubernaculum, guide, accessory piece
gnd, gonad
gng, ganglion
grn, granule, granular

I*m*, immature
ing, ingested
int, intestine, intestinal
intnl, internal, inner
intr, interior

J*nc*, junction, junctional

K*ar*, karyokinetic figure

L*ine*
lac, lacuna, pit, depression
lam, lamina, plate, laminate
lat, lateral, laterad
lb, lip, labial
lns, lens (of eye)
lob, lobe, lobate
longt, longitudinal
lra, larva, larval
lngt sec, longitudinal section
lum, lumen, luminal

M*aj*, major, the larger
mat, mature
marg, margin, edge, marginal
md, middle, median
mesok, mesokinesis, mesophase
metak, metakinesis, metaphase
micrph, microphyte
micrz, microzoon
min, minor, the lesser
mit, mitosis, mitosis-figure
mnd, mandible, jaw, mandibula
monast, monaster
msc, muscle, muscular
mur, wall, mural

N*erve*
ncl, nucleus, nuclear
nema, nema, nematode
n r, nerve-ring
nrv, nerve
nud, naked

O*c*, eye, ocular
oe, oesophagus, oesophageal
on, onchium, tooth, spear
onch, onchium, spear, onchial
ocy, oocyte
or, mouth, oral
org, organ
org?, organ in doubt, doubtful
os, ostium
ov, ovum, egg
ovr, ovary, ovarian

P*por*, pore
par, parasite, parasitic
pct, pectoral
pclr, peculiar, remarkable
pgm, pigment, pigmented
ph, pharynx, pharyngeal
phs, phase, state, condition
pigm, pigment, pigmented
plp, palp
plr, polar
pnct, point, dot, punctate
por, pore

post, posterior
pp, ppl, papilla, papillate
prerct, prerectum
prm, primary, first
prok, prokinesis, prophase
prtp, protophyte
prt, protozoon
prx, proxima, proximal
pseudon, pseudonchium
punct, point, bead, dot
pyl, pylorus, pyloric

R*ach*, rachis, axial strand
rcpt, receptacle, sack
rect, rectum, rectal
red, reduction, reduced
reg, region
rem, lost, discarded
ren, renette, ventral gland
res, *resv*, reservoir
ret, reticulum, reticular
rot, rotifer
rtr, retrose, reversed
trctr, retractor, retracting
rud, rudiment, rudimentary

S*al*, saliva, salivary
sb, sub
sc, scale, scaly
sec, section, cross-section
secd, second, secondary
seg, segment, segmented
sem, semen, seminal
set, seta, setaceous
snst, left, left-hand
som, soma, body, somatic
sp, spiculum, spicula
sphnc, sphincter
spir, spireme, spiral
spm, sperm, spermatozoa
spnct, spermatocyte
spndt, spermatid
spn, spinneret
spndl, spindle
spnc, spermatheca
sq, scale, squamule
st, stoma, mouth, pore
str, stria, striated
sub, sub, nearly, almost
subd, subdorsal
subl, sublateral
subm, submedian
subst, substance, matter
subv, subventral
sup, supplement, supplementary
sut, suture

T*b*, tube, tubular
teg, shell, tegument
telek, telekinesis, telephase
tel, tessellation
trans, transverse
trm, end, blind end, terminal
trd, tetrad, four-fold
tum, tumor, swelling, swollen

U*t*, uterus, uterine

V*vessel*
vag, vagina, vaginal
valv, valve, valvular
vas, vessel
vas def, *v def*, vas deferens
vesic, vesicle, vesicular
vlv, vulva
vent, ventral, ventrad
vest, vestige, vestigial
vestbl, vestibule, vestibular
vestg, vestige, vestigial

Z*on*, zone, zonal