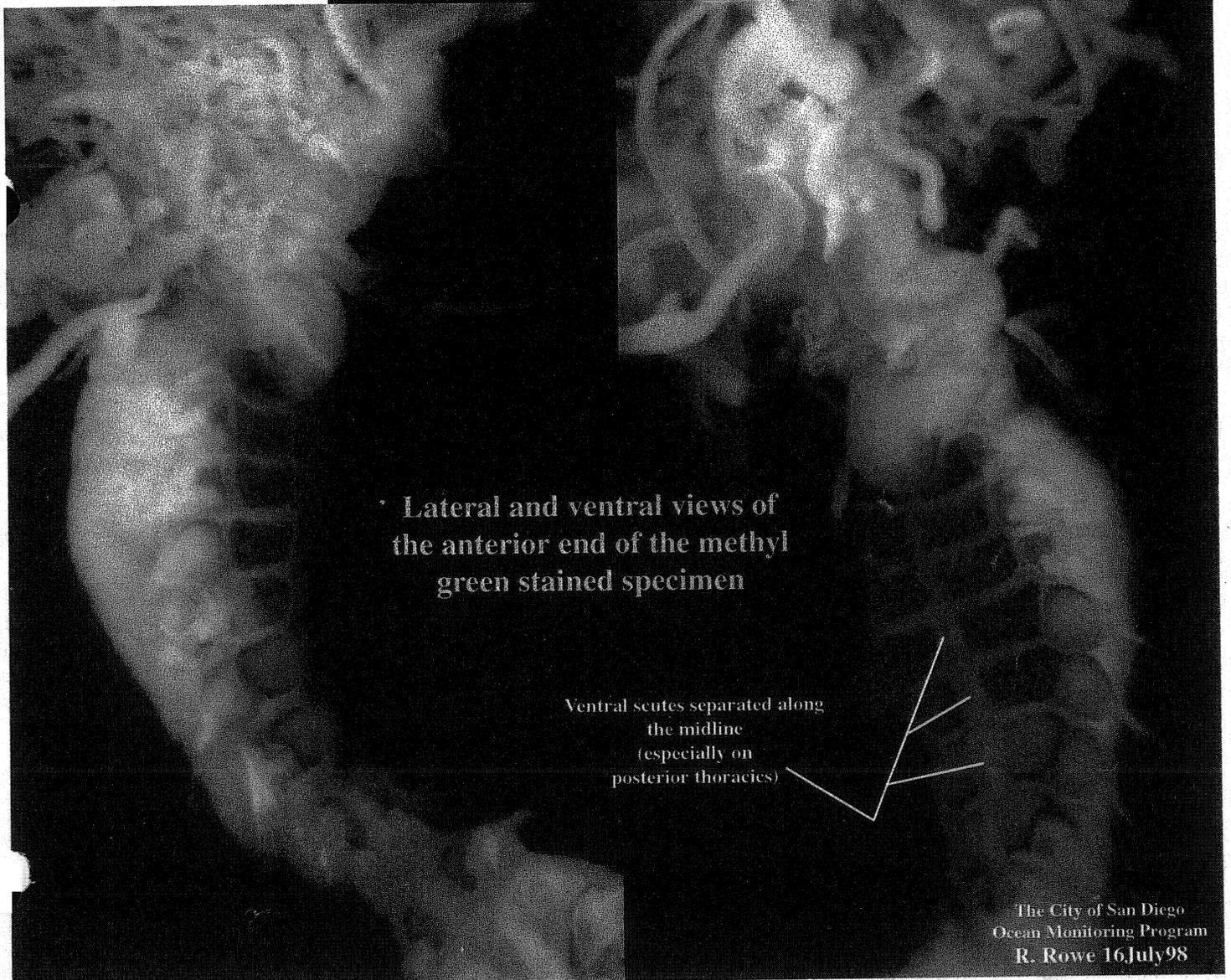
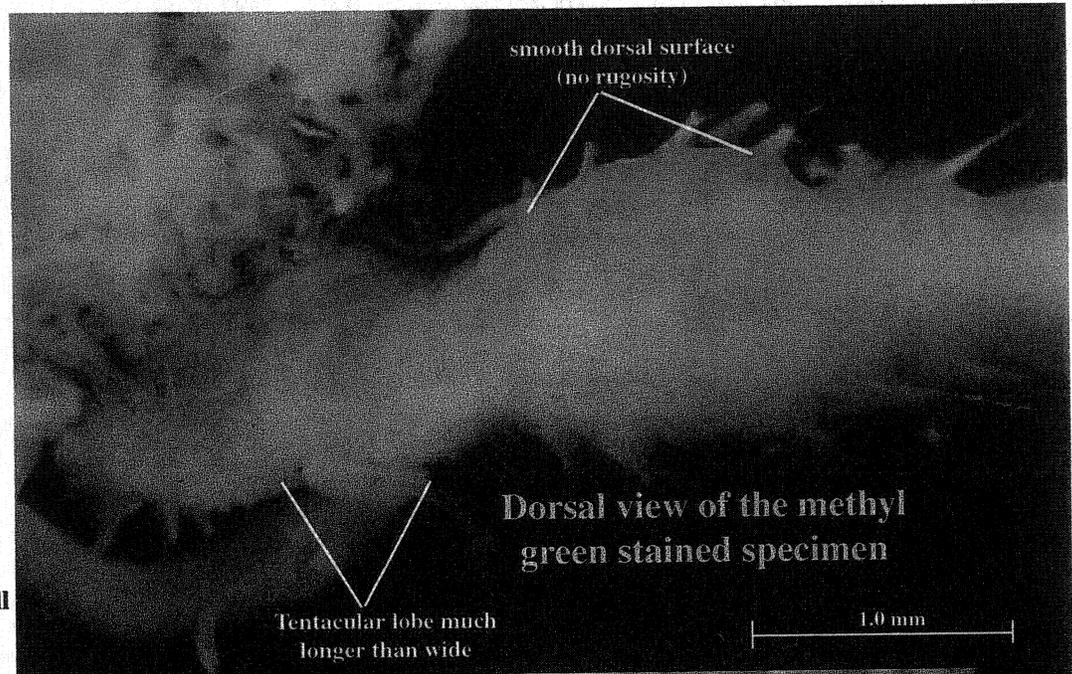


Polycirrus californicus Moore, 1909 (Holotype)

Collected by: E.C. Stark
San Diego County, Calif.
Dec. 1902
Quad:H 121327

Identified by:
J. Percy Moore
Deposited:
Cal. Acad. Sci. Inv. Zool.
Type No.39
Stanford Catalog No.5515

Specimen on loan to Larry Lovell
who provided it for imaging.



Tom Parker

From: Rick Rowe [R6R@sdcity.sannet.gov]
Sent: Friday, August 03, 2001 10:16 AM
To: tparker@lacsds.org
Subject: Re: Polycirrus perplexus

Sorry for the delayed response... we are in the midst of a large move around here.. and I am the guy with the strong back, weak mind and a couple of tools.

The images of *P. perplexus* were taken simply because Larry Lovell had the type specimens and I volunteered to capture a few images. I did no character diagnosis except captured the rugosity of the dorsum of the *P. perplexus* type because Larry thought that was grounds for retaining *P. calif.* and *P. perplexus* as valid species. I think Larry has backed off from that position and now recognizes that Banse 1980's consideration of *P. perplexus* as a junior synonym of *P. calif.* is valid. (MMS vol. follows Banse 1980).

I do not have time now to look at my images, but in the one printed enlargement that I have, the postsetal lobes do look large (although I cannot tell on every parapod). We do not call anything *P. perplexus*, I do not want to get involved with *Polycirrus*, and I think that all of the *Polycirrus* identities are questionable and confused.

Hope this helps..... sorry I have no time to spend on this. rick

PS. I forwarded your entoproct message to Kelvin..... He has many cool pictures.

Rick Rowe
The City of San Diego
Ocean Monitoring Program
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Phone: (619) 758-2333
Fax: (619) 758-2350



>>> "Tom Parker" <tparker@lacsds.org> 08/02 12:50 PM >>>
Greetings:

I have looked over your '98 photo of *P. perplexus* and the Moore '23 text.
Did you create a text description of the holotype condition and features?

Specifically, did you notice if

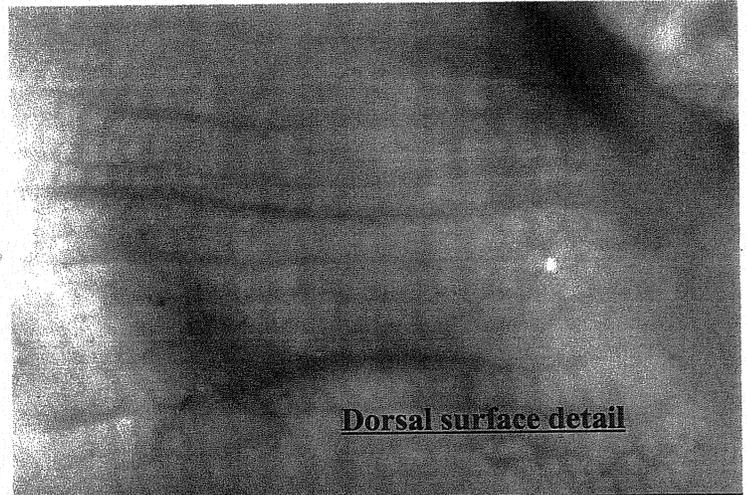
...post setal lobes well developed in holotype of *P. perplexus*?

Do you consider the extent or existence of dorsal rugosity to be diagnostic for *perplexus*?

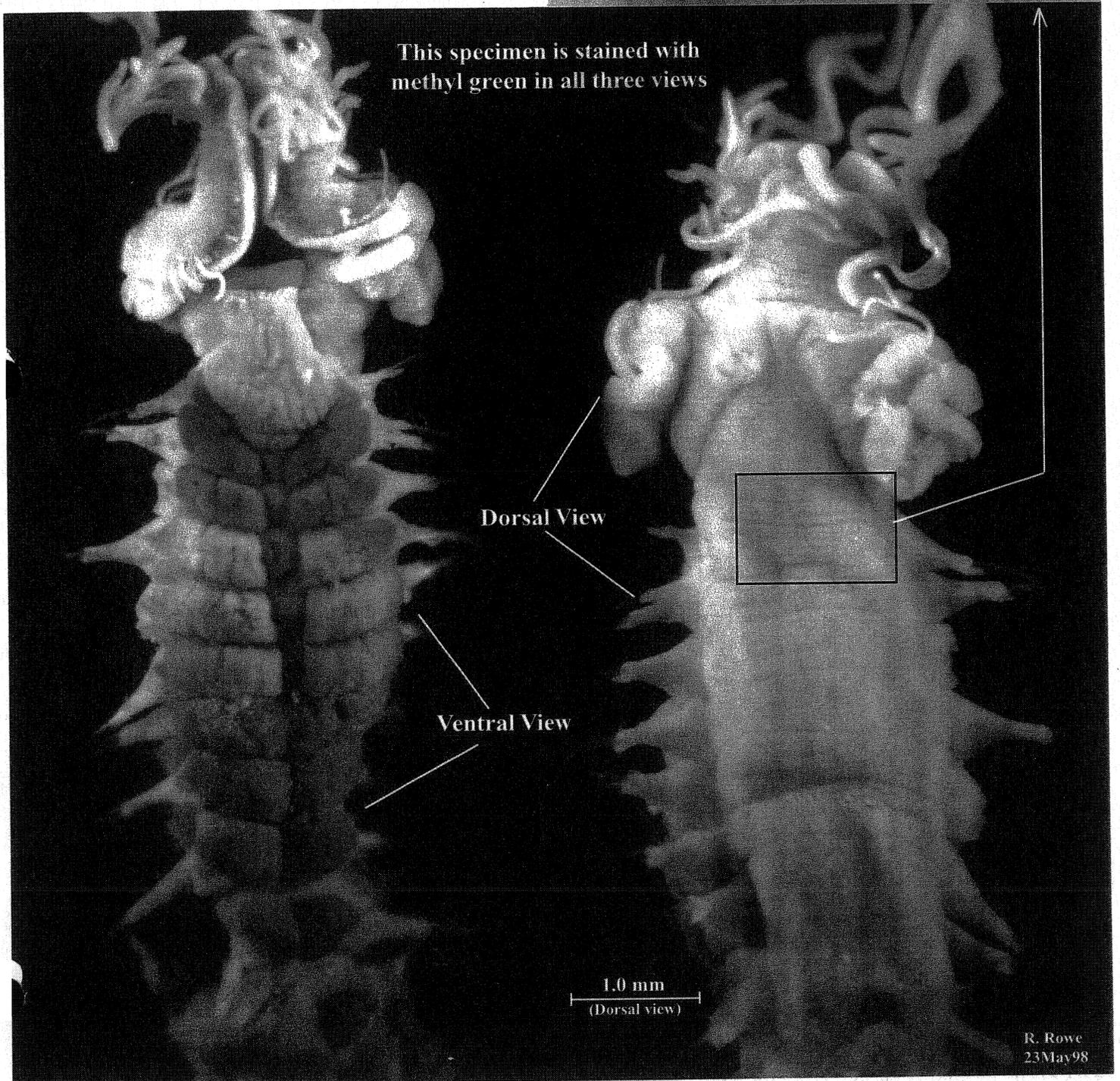
I have a few specimens with some dorsal rugosity, very well developed post setal lobes, uncini starting the 8th, no dorsal staining, hirsute notosetae. At first I just thought they were *P. calif.*, but they had an overall different body "look". Moore's description is so focused on "ventral plate", "somite" size, body shape, and comparison to insect larvae! that it is of little help.....

Polycirrus perplexus Moore, 1923
(Holotype)

Collected by: Albatross,
Monterey Bay, Ca.
13 May 1904, Station: 4463,
Depth: 111 fms
Deposited: US Nat. Mus. 17366
Acc. No. 60417



Dorsal surface detail



This specimen is stained with
methyl green in all three views

Dorsal View

Ventral View

1.0 mm
(Dorsal view)

R. Rowe
23 May 98

THIS IS 10X-MAGNIFICATION LASER PRINT