

John E. Randall
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19 Januarar 2000

Dear Darrell:

I finally heard from Mrs. Eugenie Böhlke of the Academy of Natural Sciences of Philadelphia that the moray you gave to me is *Gymnothorax steindachneri*. She took an X ray and the vertebral count checked except the tail end was bitten off and healed over (which is why it looked stockier to you). Enclosed is an extra photo of the eel (which I took in case it proved to be something other than *steindachneri*).

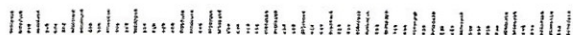
Also enclosed is an extra transparency of a Hawaiian frogfish of the genus *Antennatus* that Ron Holcom reared from a small juvenile (now 43 mm standard length). It is a possible new species distinct from *A. tuberosus*. I am checking on this now. The same color form was shown in *Smiths' Sea Fishes* from Mozambique as a color form of *tuberosus*. I am having this specimen sent on loan to me know from South Africa.

The Onaga you gave us was delicious, and thanks again.

J. Randall **ICHTHYOLOGY**
B I S H O P M U S E U M
The State Museum of Natural and Cultural History
1525 Bernice Street • Honolulu, Hawai'i • 96817-0916

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Darrell Takaoka
2481 Waiomao Rd.
Honolulu, HI 96816



Jack Randall's Call
on 2/27/2001

2/27/01

Jack,

Thanks for calling me about the Seriola today. I now know that many of the major characteristics of the golden Seriola check out with that of *S. rivoliana*. There are, however, a bunch of characteristics that do not appear to parallel that of *S. rivoliana*. Some of these different characteristics, unfortunately, are tentative and need to be verified. There weren't any large *S. rivoliana* to compare with in the collection, however there was a similar size head & tail of a similar Seriola that you purchased from a fish market in Hawaii. It is in a container with a plastic, white, twist-off cover labeled under *S. rivoliana*. It may be different from the true *S. rivoliana* and is probably the same species as the Seriola my uncle caught. Do you have a picture of the one in the container? I believe you noted on the label that it had a yellow stripe from the eye or something like that. Anyway, I'd like to mention again the characteristics that may be outside of the variation of *S. rivoliana*.

P.S. I didn't realize that *S. lalandei* is the "yellow tail" that is in the Audubon Society Field Guide that you have some pictures in. I thought *S. lalandei* was just a relative of the "yellow tail". My reaction was "oh that one!"

Danell

1. Color differences - (including the lack of dusky fins as stated in FAO identification guide Vol. I)
2. Body depth - (relatively shallow) This must be verified because there may be a great change in proportions with age as in *S. dumerili* (see pg. 256 Tinker for young *Kakula* 3"-6") Note: small snout, stocky body, near 45% pectoral fin angle when young - similar to pectoral fin angle of *S. rivoliana* discussed in FAO Vol. I
3. Snout/head profile difference - Looking at the drawing in FAO Vol. I, *S. rivoliana* has a less extended snout that likely lacks a concavity near the upper lip when looking at the head profile upper margin (see picture over →) *S. rivoliana* in the collection, near a foot in length with tail, also have the "nicely" arced dorsal head profile, which likely doesn't get interrupted by a slight but significant concavity, even in larger individuals.
4. Pectoral fin position - the pectoral fin position or angle appears to be intermediate between *S. dumerili* and *S. rivoliana*. See FAO Vol. I for discussion on pectoral fin positions.
5. Range difference? - Could the golden Seriola be a new species, misidentified as *S. rivoliana*? Could the true *S. rivoliana*'s range not include Hawaii, creating a geographical difference. Of course, there still may be similar species that have range intersections.

22 Dec. 2004

Dear Lorraine:

This is to thank you for all the things you brought us here at the Bishop Museum during your recent visit with Mike. I was especially pleased to get those sugar-free cookies and candies.

I was very impressed with what Mike wrote about Darrell - so much I did not know. He was a very special person.

My daughter Lori and I are preparing a list of the fish specimens that Darrell collected and brought to us at the Museum. I took color photographs of some of these. We are having color prints made & will send them to you later.

Aloha & Happy Holidays,

Jack

REEF AND SHORE FISHES OF THE HAWAIIAN ISLANDS

John E. Randall

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*To Lorraine & for the
memory of Darrell
Aloha,
Jack*

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