

Con't

tropical conditions at the following rates-

Commercial fish feed - 300 mg/kg food

Shrimp food - 600 mg/kg food

ornamental fish food - 1000 mg/kg food.

More on Vitamin C in fishfoods.

Observation of kinked backs in fry usually indicates negligible Vitamin C in the feed and this is irreversible. The other effects such as reduced growth and fertility and susceptibility to disease are probably even more important. The following advice has been offered to help maintain the Vitamin C content.

(a) Store food at 0° - 4°C

(b) Use food within one month of manufacture if possible and certainly before 3 months.

(c) Avoid exposure of food to air to reduce oxidation.

(d) Vitamin C should be the last item added to the food before storage and feeding.

-Bruce Hansen.

When:- Tuesday 9th February 1988.

7.30 pm for 8.00 pm.

Where:- Kathy Butler's

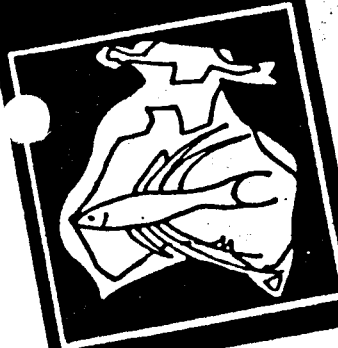
64 Tasman st,

Devonport. Phone 246670.

What:- Annual General Meeting.

Discussion on club Future.

ALL VISITORS WELCOME.



January 1988.

NEWSLETTER

AUSTRALIA NEW GUINEA FISHES ASSOCIATION

North West Tasmania Regional Group.

Promoting the keeping and propagation of the native fish species of Australia and New Guinea

CLUB NEWS

Dear Members,

We have been going 1 year now, our annual meeting time is here, we need a good roll call on the 9th February at 7.30 pm, 64 Tasman st, Devonport, for Election of officers.

We are now combining our club with the North West Aquarium Society as this will help both clubs keep going here on the North West Coast.

A lot of discussion is needed as to the direction our clubs are to take in the future.

I have lots of ideas, but need your help to make the clubs work, so put your best foot forward and keep it in contact for all activities with us, as this is what needed your participation in the future.

Let us show you, how much pleasure, come from a club that works together, a lot of enjoyment for young and old, from now on I expect your attendance at all activities of this club

from Kathy Butler.

COMMENTARY
Getting the most out of our native fish society.

Why do people join a fish society? How do they feel on their first night, being there not knowing anyone ?

At first, I didn't feel I could contribute anything to the club. I felt out of place and I believe that the members had formed their own clique.

Well let me tell you that I was wrong! In fact, the sooner you join this clique the better. If you just sit back and don't introduce yourself, or if you don't mingle with the crowd, you are really missing out. It's only when you join in that you get the most benefit out of your club.

You can meet some of the finest people around with a wealth of knowledge. You can learn about breeding, photography, how to display at shows, different collecting locations etc., etc.

All you have to do is ask!

Then, of course, there is always the question: "How are clubs run?" Let me tell you, . They're run by you!

Of course, there are the office bears but, without the co-operation by members, nothing gets done, or the burden is thrown onto a few people.

If you don't have an active interest in your club, you are cheating yourself out of a wonderful feeling of friendship in what I think is a most wonderful, relaxing and educational hobby- fishkeeping.

-Theo Kleberg.

FEEDING RATIONES
Vitamin C.

Since fish, like certain other animals including man, cannot make their own Vitamin C, they require it to be supplied in their diet. Vitamin C is necessary, especially for the proper functioning of the liver, spleen, adrenals, kidneys and gonads.

fish do have some capacity for storage of Vitamin C and in the wild supply comes from insects, algae, plankton and other fish in their diet. However, when kept indoors or under intensive culture conditions, the supply of these foods is limited so deficiency can easily develop and an alternative supply of Vitamin C becomes necessary.

It has recently been established that Vitamin C deficiency ("Scurvy") is a common cause of skeletal deformity in fish so now we have a sound explanation and a treatable cause of this widespread problem in our fry.

Other symptoms and signs of Vitamin C deficiency includes:- Reduced growth -Pop-eye

-Bloated belly and swollen tissues

-Bleached colour

-Lethargy and, finally, death (possibly from renal Failure).

Vitamin C is not very stable under the usual conditions of processing and storage of foods so should be added to prepared foods reasonably soon before use. It is recommended that Vitamin C be added to all marine rations especially under

P.T.O.-