

Raise Tropical Fish By Over Feeding
"Safely"

A New Concept in Raising Tropical Fish by Overfeeding

It has long been an accepted theory that the most dangerous thing that could happen to tropical fish was to overfeed them because this produced toxicity in the water that killed them. I have conducted experiments that have very definitely proven that this is not so. Everything that grows must be fed proper food in sufficient amounts to promote proper growth. With air breathing animals it is quite easy to regulate the amount given them according to their needs, but with fish, it is extremely difficult to know exactly how much to feed without overfeeding. Therefore, it is necessary to overfeed in order to be sure that you have fed enough.

When fish have been overfed, they come up to the surface for air, and again the accepted theory is wrong. Most people think that fish come up to the surface for air because the oxygen has been depleted from the water. That is impossible because water is composed of oxygen and hydrogen, and if the water were depleted of the oxygen, all you would have left would be hydrogen which is another gas.

What actually happens when you overfeed is that infasoria is produced, consumes oxygen and gives off carbon dioxide and plain old sewer gas; it is the sewer gas that makes the tank smell. These expelled gases are extracted from the water along with the oxygen through the gills of the fish, but the oxygen is diluted so that the fish do not get enough oxygen to supply their needs, and come to the surface to obtain more. If we aerate the water that helps to quickly release the carbon dioxide and sewer gas from the water, and the fish are once more able to extract sufficient oxygen from the water, so they go down where they belong.

In case of an overfed tank, the first thing to do is to put in an air stone, or to increase aeration if you are already aerating to eliminate the undesirable gases. Next, clean the surface only of the gravel, then clean deeply into the gravel. By doing it that way, you are not so liable to scatter the sediment that has settled on the surface. This will expell the gases and get rid of the source of the infasoria, and the fish will eat up what has been formed.

If the tank has been set up in the normal manner with gravel, plants, etc., a "JIFFY" SUB-SAND FILTER will help to speed up the process, and if the sand has been blackened by prolonged overfeeding, the "JIFFY" SUB-SAND FILTER will lighten it to its natural shade.

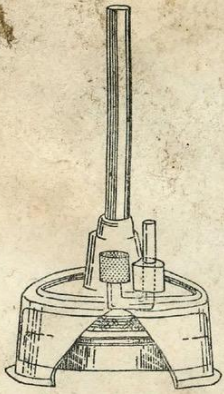
I am not recommending promiscuous or extensive overfeeding, but just enough to be sure that the fish are getting enough to eat.

Now for the final point in my plan for controlled overfeeding. Dry food, or dead live food will eventually settle to the bottom, and with most filters, with the exception of the "JIFFY" SUB-SAND FILTER, will be scattered over a wide area and may be hard to detect. The "JIFFY" SUB-SAND FILTER is only three and one half inches in diameter, but is sufficient for a twenty gallon tank. Because it is small, most sediment and excess food is drawn into a small area making it easy to detect overfeeding quickly. Also, because of its smallness, it is easy to install or remove.

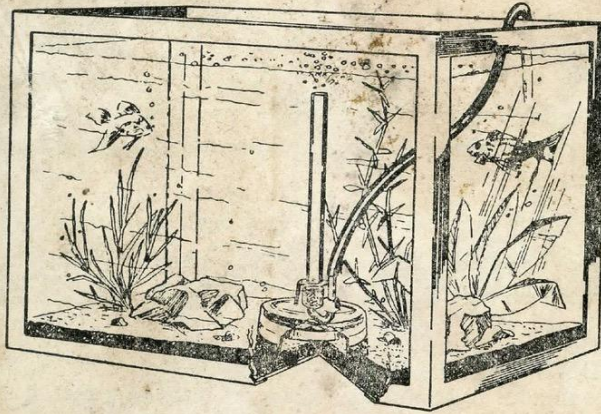
There are many other sub-sand filters on the market by different manufacturers, but I do not know of any that will give you the results, and allow you to overfeed with safety as the "JIFFY" SUB-SAND FILTER and AERATOR will.

To sum up the situation very briefly, it is necessary to overfeed in order to be sure you feed enough. It is necessary to feed enough to raise strong, healthy fish. The "JIFFY" SUB-SAND FILTER shows you as soon as you start to overfeed, and the "JIFFY" AQUARIUM CLEANER removes the excess food from the tank before it has time to do damage.

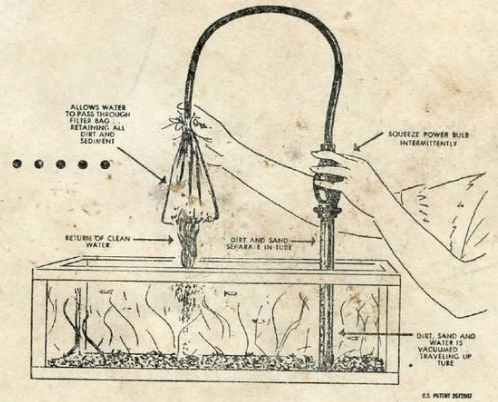
In their natural surroundings, fish are constantly feeding, so I recommend frequent small feedings. Their natural food is live food, but because it contains a large amount of water, it should be supplemented by a good dry food, and horse meat is also very good.



"JIFFY" SUB-SAND
FILTER AND AERATOR



"JIFFY" SUB-SAND FILTER AND AERATOR
AS INSTALLED IN A TANK



"JIFFY" AQUARIUM CLEANER