



भारत  
अनुप  
ICAR

ISSN 0971-0167

# Fish technology

# NEWSLETTER

Vol. VI Nos. 5 — 7

January — September, 1992

*M. Ramas*

## NEWS AND NOTES

### **Pumping Profits From the Deep**

Most of us know that when waters from the bottom of oceans, which are rich in nutrients are brought to the sea surface by ocean currents or strong winds, a bumper catch of fish is sure to follow. The nutrient laden waters trigger an explosion in the number of phytoplankton and sure enough, fish arrive to feast on the nature's bounty.

Deep sea waters are being pumped up in Japan to boost mariculture. A pumping system which brings up 4.6 lakh litres of water a day from a depth of 82 meters is used at shore to cultivate algae, shell fish and fish. Special high density polyethylene pipes encased in steel wire armour were laid by the rebarge method and used in the deep sea water pumping system.

**M. R. Raghunath**