PART III

NOTES AND ABSTRACTS

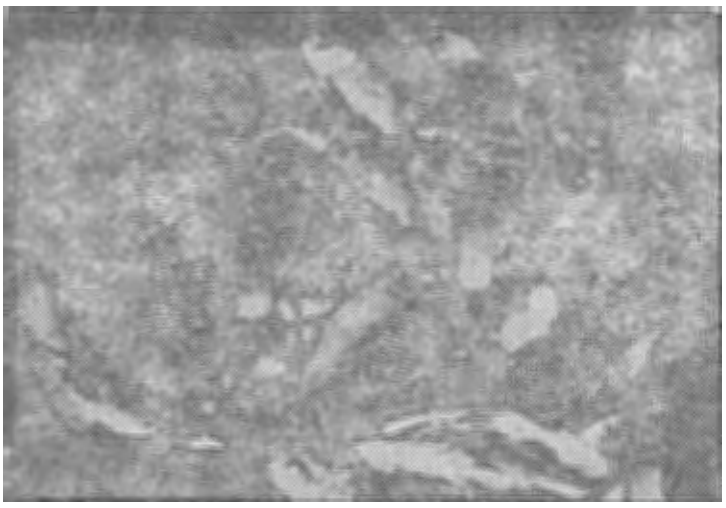
NOTES

NOTE ON AN ABNORMAL CATCH OF *CATLA CATLA* IN HIRAKUD RESERVOIR

During the experimental fishing operations in the Hirakud Reservoir, it was found that though 11 species of fish occur in the reservoir only four species viz. *Silondia silondia, Labeo fimbriatus, Cirrhina mrigala and Catla catla* predominate the catch in the order of abundance. Although catla is recorded in the catches throughout the year, George *et.al.* (1973) state that best periods for the exploitation of the species are during monsoon and winter. In spite of this recognised seasonal abundance, there is no record of bulk catch of one species. On 27/28-11-73, 405 kgs of *catla catla* alone were caught in a single day's operation (Text Fig.1). The catch of this particular operation is well above or more or less equal to the annual landings of *catla catla* during the last decade in the Hirakud Reservoir.

The details of fishing operation and gear operated are as below:

Date of fishing	:	27/28-11-1973
Area of operation	:	Off Right Dyke
Depth of fishing	:	6 - 9 m
Time of shooting	:	15.15 hrs to 16.10hrs
Time of hauling	:	07.15 hrs to 08.20 hrs
Turbidity of water	:	40 cm



Gear operated		Area of webbing in sq. m.	Catch/1000 sq. m. of webbing in kgs.
Framed gill nets		4,730	35.98
Trammel nets		4,800	15.02
Coloured gill nets:			
	White	740	113.64
	Blue	740	27.83
	Green	740	20.13
	Yellow	740	41.21
	Grey	740	34.86

The average catch per 1000 sq.m. of webbings operated on that particular day was 30.61 kg. which is the highest catch rate obtained during the period 1964-1973. The catch was represented by different size groups ranging from 41 cm. to 80cm. But the majority were of 40 to 60 cm. size group.

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