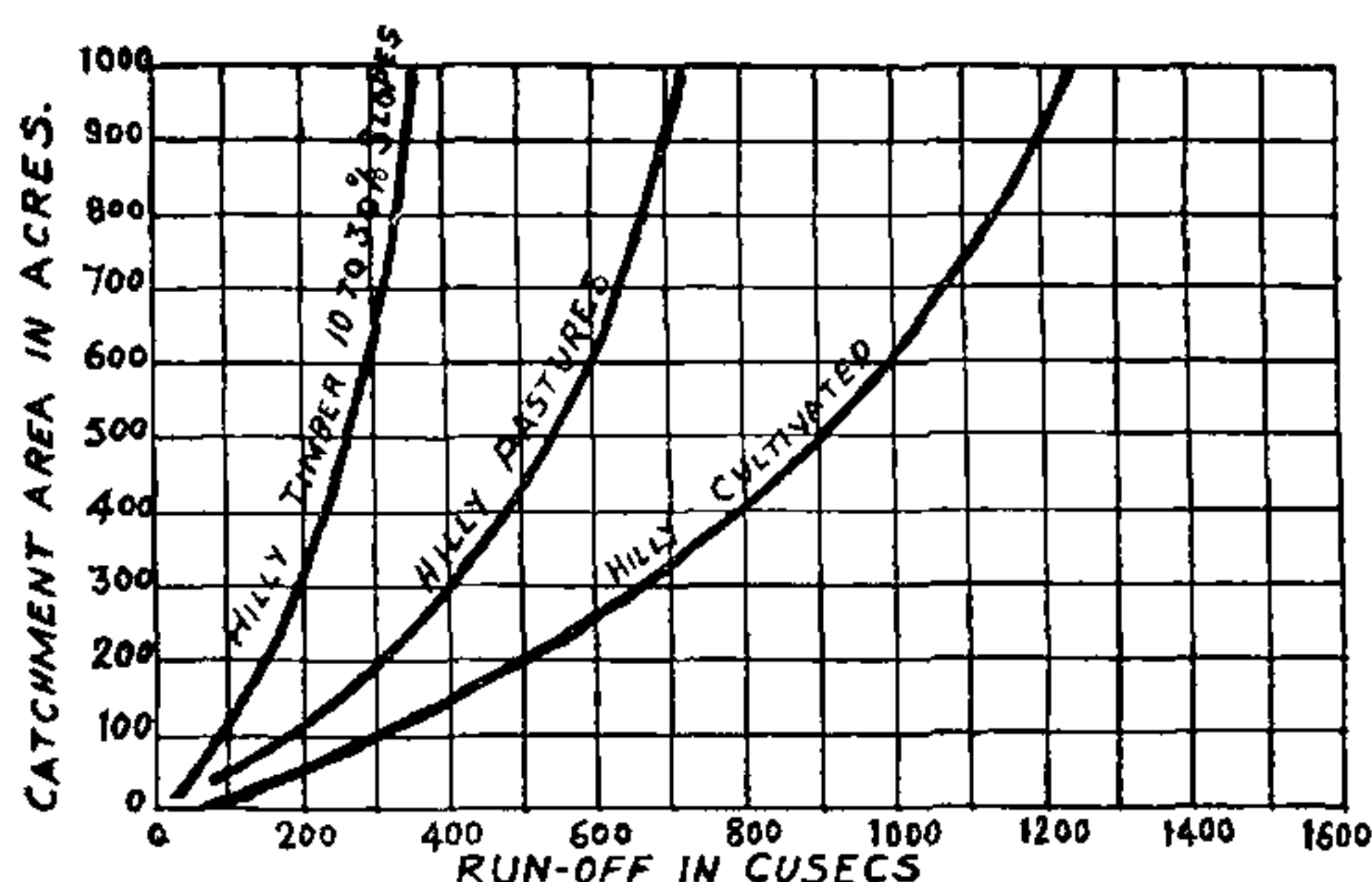
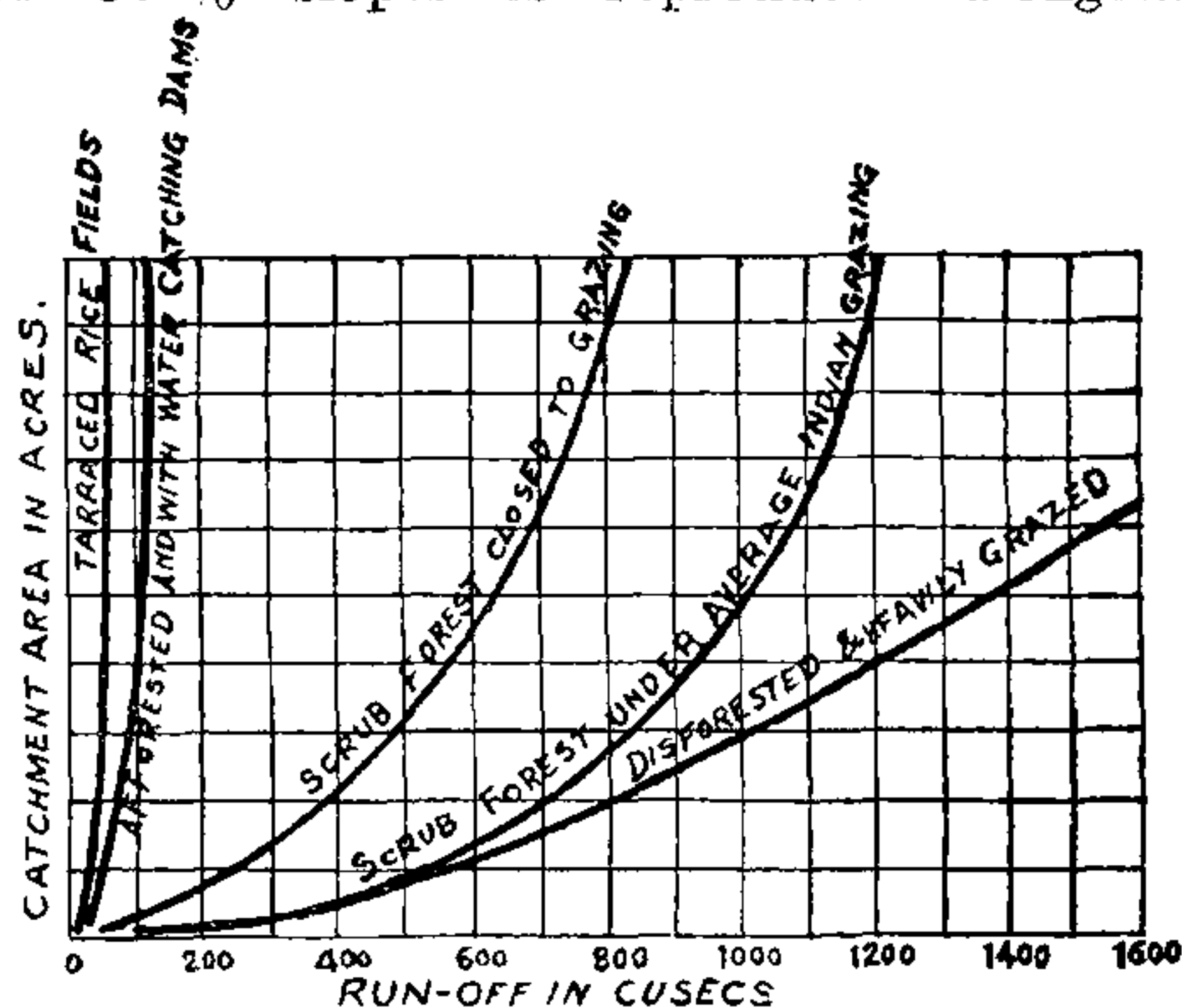


pasture fields grazed in a rational manner, generally on a definite rotation. In India, on the other hand, small individual holdings mean small individual fields, generally terraced to some extent, while adjoining

graph giving his empirical figures of run-off for different sizes of catchments of from 10 to 30 % slopes is reproduced alongside



Ramser's curves for average American conditions giving maximum expected to be exceeded once every 10 years.



Similar curves for Indian conditions based on very meagre Punjab Foot Hill Data.

Fig. 1.

Comparative run-off for American and Punjab conditions.

grazing ground is so persistently over-grazed that it is left completely exposed to sheet erosion.

To make this position clear, Ramser's

similar curves for Indian conditions, though our information for the latter is unfortunately very meagre.

R. MACLAGAN GORRIE.

## OBITUARY.

Mr. Dev Dev Mukerji (1903-1937).

WITH deep regret we record the death of Dev Dev Mukerji, Technical Assistant in the Zoological Survey of India, which took place at Calcutta on Thursday, the 21st of January 1937, after a brief illness, at an early age of 34 years.

Dev Dev Mukerji was born in January 1903 at Kharda in the 24-Parganas and after his early education at the village school he was sent to H. C. E. School at Andul from where he passed his Matriculation Examination. In 1919, he joined the St. Xavier's College at Calcutta and four years later passed his B.Sc. Examination with honours in Zoology. In 1925 he took his M.Sc. degree of the Calcutta University in Zoology, and in 1926 joined as an Assistant in the Zoological Survey of India.

Mukerji had a special aptitude for research and a year after his joining the Zoological Survey he published his first paper on two "Pug-headed" specimens of a catfish. Afterwards he worked on several collections from different parts of India in collaboration

with the officers of the Department or independently. He was also a keen field zoologist, as is clear from some of his papers.

Mukerji was very methodical, thorough and painstaking in his work and made a very critical study of the data he collected. His published papers show what a commendable amount of research work, besides his heavy routine duties, he was able to do within a short period. At the time of his death he was engaged in preparing a *Bulletin* on Indian freshwater fishes for the Malaria Survey of India, a task of considerable responsibility.

Dev Dev Mukerji was a man of great personal charm and broad sympathies. He was liked by his superiors and colleagues, and in him the Zoological Survey has lost a very able and thoroughly reliable assistant. The science of Zoology, especially ichthyology, has become much poorer to-day by his premature death.

SUNDER LAL HORA.