

A BIBLIOGRAPHY OF LAKE KARIBA, 1969-1978

LAKE KARIBA FISHERIES RESEARCH INSTITUTE  
PROJECT REPORT NO 31

by

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## INTRODUCTION

Lake Kariba was the first of the great African man-made lakes and it has stimulated much scientific interest. A comprehensive bibliography, up to 1968, was published by A.G. Coche in 1971 (see ref. no. 77) and it is now appropriate that a new one be prepared.

Unpublished reports and manuscripts are not readily available and, with the exception of Lake Kariba Fisheries Research Institute project reports, I have not attempted to include these. University theses are not as difficult to consult and I have therefore listed those known to me in Appendix A.

Papers dealing with aspects of the Zambezi valley immediately below Kariba are included in the main list, whilst papers covering aspects of Cabora Bassa are listed in Appendix B.

This bibliography does not include papers on engineering aspects of the dam itself or of hydro-electric power production. It is thus principally directed towards biologists interested in or working in the Zambezi valley and Lake Kariba.

There are undoubtedly omissions in the list and I would be most grateful if readers could draw my attention to any they might notice.



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The main subjects covered in this bibliography are shown below. The numbers are those given to the references in the main section, the appendices are not included.

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APPENDIX AUNIVERSITY THESES

A number of workers have undertaken higher degrees for which theses have been submitted, on aspects of Kariba. These are not always easily available but parts of some have been published as papers. A list of those known to me follows:

1. BOWMAKER, A.P. (1973) An hydrobiological study of the Mwenda river and its mouth, Lake Kariba. Ph.D., Witwatersrand University.
2. COCHRANE, K.L. (1978) Seasonal fluctuations in the catches of Limnothrissa miodon (Boulenger) in Lake Kariba. M. Phil., University of Rhodesia.
3. FRANCIS, R. (undated) The carrying capacity of Starvation Island (Island 133) in Lake Kariba, with special attention to Impala (Aepycerus melampus) and the grass Panicum repens. Certificate in Field Ecology, University of Rhodesia.
4. HUGHES, B.G. (1970) Observations on dispersion, activity and feeding patterns of Elephant (Loxodonta africana (Blumenbach)) at Sinamwanda. Certificate in Field Ecology, University of Rhodesia.
5. JARMAN, P.J. (1968) The effect of the creation of Lake Kariba upon the terrestrial ecology of the middle Zambezi valley, with particular reference to the large mammals. Ph.D., Manchester University.
6. JOUBERT, C.S.W. (1978) A preliminary investigation into the biology and status of two Mormyrids Mormyrops deliciosus (Leach) 1818 and Mormyrus longirostris Peters 1852 (Pisces: Mormyridae) in Lake Kariba, Rhodesia. M.Sc., University of Natal.
7. KING, R.D. (1971) A preliminary investigation of the euplankton in the Mwenda river mouth. B.Sc.Hons., Witwatersrand University.
8. LANGERMAN, J.D. (1977) A study of the habitat preferences of the animals on Zebra Island, Lake Kariba. B.Sc.Hons., Witwatersrand University.

9. LONEY, P.E. (1969) The geology of the Kariba district, Rhodesia with special reference to geochronology and amphibolite petrochemistry. Ph.D., Leeds University.
10. McDONALD, I. (1970) Observations on the woody vegetation occurring in the vicinity of the Mwenda estuary, Lake Kariba. B.Sc.Hons., Witwatersrand University.
11. McLACHLAN, A.J. (1968) A study of the bottom fauna of Lake Kariba, Ph.D., London University.
12. McLACHLAN, S.M. (1970) A study of some physical and chemical characteristics of the mud and water phases of selected areas of Lake Kariba, with special reference to the benthic fauna. M.Sc. Witwatersrand University.
13. MIDDLETON, I. (undated) A study of a low-density Hippopotamus population in the mid-Zambezi valley, Rhodesia. Certificate in Field Ecology, University of Rhodesia.
14. MITCHELL, D.S. (1970) Autecological studies of Salvinia auriculata Aubl. Ph.D., London University.
15. MITCHELL, S.A. (1975) The biology of central African Chaoboridae and their distribution over selected areas of Lake Kariba. M.Phil., London University.
16. PORTER, R.N. (1968) An ecological reconnaissance of the Mwenda area, Lake Kariba. B.Sc. Hons., Witwatersrand University.
17. THOMAS, P.A. (1974) Investigations into the biology of Paulinia acuminata (De Geer) (Orthoptera: Acrididae) with particular reference to the biological control of Salvinia auriculata. M. Phil., London University.

APPENDIX BCABORA BASSA LAKE : SOME REFERENCES

Conditions in Cabora Bassa lake are obviously of great interest as a comparison with Kariba. However, because of the difficulties involved this lake has not received the attention it deserves. Some references of interest are listed below, but as no attempt has been made to locate Portuguese-language journals it is clearly incomplete.

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2. ANON. (1975) What's happening to the Zambezi? African Wildlife 29: 18-21
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4. DAVIES, B.R. (1975a) Cabora Bassa hazards. Nature, Lond. 254:477-478
5. DAVIES, B.R. (1975b) They pulled the plug out of the lower Zambezi. African Wildlife 29: 26-27
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