

Contents

Preface	4
Acknowledgements	7
Collecting Fossils	11
The Photography of Fossils	13
Evolution in Geological Time	16–17
The Origin of Life and the Evolution of Fishes	18
The External Features of Fishes	26–33
The Groups of Fishes	68–994
Agnatha (Jawless Fishes)	68
Placodermi (Placoderms)	116
Chondrichthyes (Cartilaginous fishes)	147
Acanthodii (Acanthodians)	236
Chondrostei (Chondrosteans)	252
“Holostei” (Holosteans)	371
Teleostei (True Bony Fishes)	449
Euteleostei (Higher Bony Fishes)	573
Crossopterygii (Lobe-finned Fishes)	939
Dipnoi (Lung Fishes)	975
Literature	996–1025
Index of Genera and Synonyms	1027
Index of Orders, Suborders, and Families	1043
Index of Genera, Arranged by Formation	1059
Index of Genera, Arranged by Locality	1070
Index of Recent Families and Genera	1080
The Author	1087
Picture Credits	1088