The relationship between evolution and the environment is of fundamental importance in our understanding of the evolutionary process. About 400 million years ago, in the late Silurian and early Devonian geological periods, there were major changes in the geography of the world involving the development of very extensive land areas and high mountain ranges. Over the same time span some of the most important steps in organic evolution were taken. Vascular plants colonized the continents and diversified. The vertebrates moved from the sea into the fresh water of rivers and lakes, a pathway that was ultimately to lead to their adaptation to terrestrial life. The invertebrates, particularly the arthropods, developed adaptations for air-breathing.

The papers in this volume describe these dramatic evolutionary and palaeogeographical changes and discuss their possible interrelationships. The contributions were originally presented at a Discussion Meeting of the Royal Society in May 1984.
ENVIRONMENTAL EFFECTS OF
NORTH SEA OIL AND
GAS DEVELOPMENTS

Edited by
J.P. Hartley and R.B. Clark

Over the past 25 years the North Sea has witnessed a remarkable upsurge in exploration for oil and gas and has now become one of the world's major hydrocarbon producing areas. Over the same period there has been increasing public and scientific awareness of the damage that can be caused by man's activities. The North Sea is bordered by heavily industrialized nations and it is no exception to these environmental concerns.

This volume comprises invited papers presented at a two day Discussion Meeting held at the Royal Society, London, on 19 and 20 February 1986 and includes the discussion that followed each paper. The meeting aimed at defining the nature and extent of the environmental effects of 25 years of oil and gas operations in the North Sea. To achieve this, the North Sea was treated as a series of closely coupled systems, each of which was the subject of a paper in which published and unpublished information was reviewed.

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