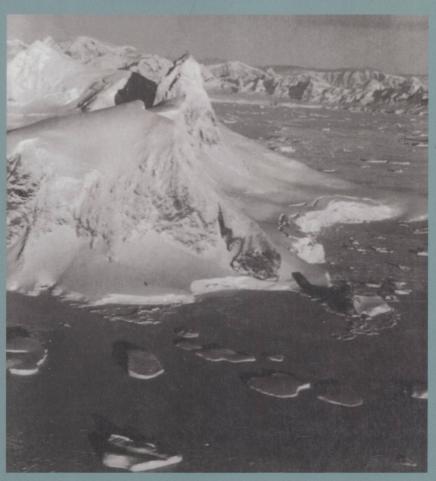
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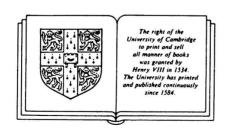
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Antarctic mineral exploitation

the emerging legal framework

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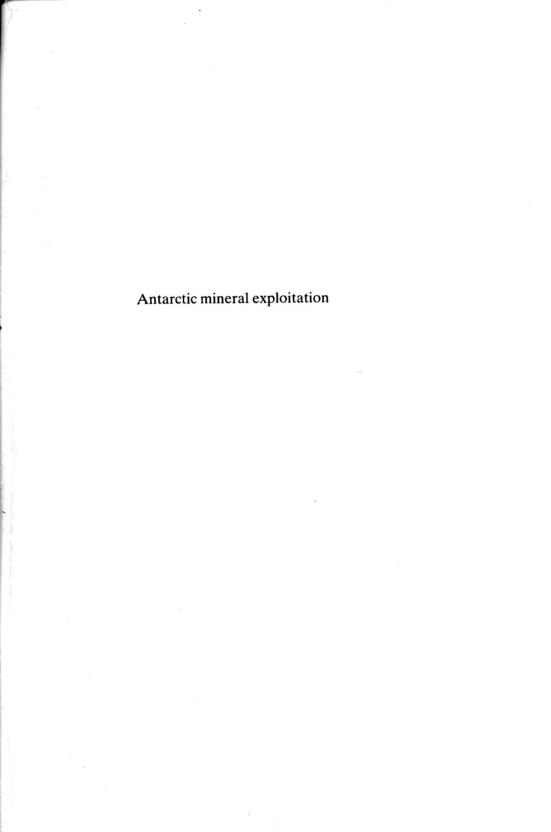
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Preface

Since the Antarctic Treaty was signed in 1959, co-operation in the Antarctic has been the subject of continuing evolution and rapid change. The negotiation and subsequent enactment of various regimes for the conservation and management of Antarctica's natural resources has been a particularly important cornerstone in this process of adaptation to, and regulation of, new activities in Antarctica. The aggregate of treaties, recommendations and other instruments and procedures which have come to be known as the Antarctic Treaty system, contribute today to an impressive body of emerging law which governs the activity of men in that continent and in the Southern Oceans.

The first part of this book examines the main characteristics of the international legal framework governing the co-operation of States in Antarctica, with particular reference to the problems of conservation of resources in the area, inquiring into the evolution of this process of co-operation at different stages of activity in Antarctica and the new problems and requirements which the system has had to address as a consequence of the changing conditions. The expansion of the system into new fields of co-operation has been a central feature of this evolutionary process, giving place not only to increased law-making by the Treaty parties but also to important institutional developments.

The key question which any Antarctic regime has had to face either directly or indirectly is that of the exercise of jurisdiction and the legal bases on which it could be founded. While the differing views existing on the issue of claims to sovereignty in the Antarctic continent and the relative uncertainty surrounding the exercise of jurisdiction in international law, whether on land or at sea, have made the answer to the above-mentioned question difficult, the system of Antarctic co-operation developed by the Treaty Parties has devised ingenious approaches to the

Preface ix

matter. These approaches are also examined in the light of the existing law and the available practice, with particular reference to the existence of concurrent bases of jurisdiction and to the methods by which the system has managed to avoid potential conflicts in this context.

A new dimension of the jurisdictional problem has emerged with the development of the new Law of the Sea during and following the Third United Nations Conference on the Law of the Sea. The discussion about possible claims to a territorial sea in the Antarctic and the meaning of safeguarding rights in the high seas, which were paramount in the first years of co-operation under the 1959 Treaty, have today been supplemented by the question whether the concepts of the Exclusive Economic Zone, the Continental Shelf and other maritime zones are applicable to the Antarctic and if so what is their legal nature in the light of the legal and political realities of that continent. This set of problems is itself the subject of inquiry in relation to interpretation and application of the 1982 Convention on the Law of the Sea and the relevant developments of customary international law in the field.

Against the background of the legal framework of co-operation in the Antarctic, the regime for mineral resources is discussed in sufficient detail to identify the basic issues and interests which have to be accommodated in order to attain a convention which addresses this important area of potential Antarctic activity. The current negotiations and draft texts that have been prepared on the subject are examined in conjunction with the points of view of governments and authors in the context of their attempt to find solutions acceptable to the various interests represented in this effort. While the negotiating process has not yet been finalized, the essential elements of the regime and the position of the Consultative Parties on them have been made abundantly clear. This in turn has meant that to a large extent the range of options for a satisfactory settlement is already visible.

The specific rules and procedures which have been suggested for governing the activities of prospecting, exploring and developing mineral resources in the Antarctic are analysed in terms of their legal meaning and significance, together with such difficult questions as the criteria for access to the resources, the environmental standards, the granting of authorizations to initiate mining activities, the financial provisions, the area of application of the regime, the stability of contracts and the applicable law. In all of these matters the traditional approaches of international law are confronted with new challenges and the need in many cases to seek unprecedented solutions.

Given the different views on sovereignty and jurisdiction that have

been mentioned above, the fundamental problem confronting the regime for mineral resources is who shall have the final authority for the granting of licences or approval of contracts and under what terms and conditions these could be issued. Various models and suggestions have been brought to the fore on this aspect, providing a wide range of options ranging from a territorial approach to a fully internationalized regime. It is on this point that the negotiators have had to make a particular effort to use their ingenuity to devise formulae which will satisfy the various interests at work. The careful distribution of competences that has been proposed to achieve this, the role of the proposed institutional machinery, the procedures for decision-making, the settlement of disputes and other factors central to this accommodation are discussed in successive sections of the book.

In view of the growing attention that Antarctica is attracting on the part of the world community at large, the accommodation of interests among the Consultative Parties is no longer the sole factor that will condition the achievement of a satisfactory settlement on the question of exploitation of mineral resources. The needs and interests of other parties to the Antarctic Treaty, of third States generally and of international organizations have become a consideration in the negotiation relevant to finalization of resource regimes in the area.

The important set of questions concerning these other interests is the subject of inquiry and research in the third part of the book, which discusses in particular the issue of expanded participation in the Antarctic Treaty system, the problems of international law posed by the eventual activity of third parties in the area and, most significantly, the meaning and prospects of the various initiatives that have taken place recently concerning the declaration of Antarctica as the common heritage of mankind and the more international organizational approaches that would ensue from adoption of a fully internationalized Antarctic regime.

The system of co-operation that applies today in Antarctica under the 1959 Treaty and related instruments has evolved a long way from the period of negative confrontation of competing claims and non-recognition of claims. The more positive approach of harmonizing interests within the framework of limited forms of internationalization has today become paramount in the Antarctic, the regime for mineral resources being the most recent and advanced example of this process. While sovereignty claims still have an important role to play in the context of this co-operation, it will be by means of their integration into the resources regimes in a way that will ensure their compatibility with other interests

Preface xi

that have recently proved to be equally relevant. This important phenomenon is explored throughout the book.

The book covers the state of the law, State practice and developments in the negotiations, as well as in the relevant literature and documentation on the subject, up to September 1986, except where otherwise indicated.

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This book has developed from the PhD thesis researched by the author at the London School of Economics and Political Science, University of London; the author acknowledges with gratitude the useful suggestions received from Dr Patricia Birnie and Professor Rosalyn Higgins in the preparation of this work.

Abbreviations

- A.F.A.R. Australian Foreign Affairs Record
- A.J.I.L. American Journal of International Law
- An. Fr. D.I. Annuaire Français de Droit International
- Ann. Suisse D.I. Annuaire Suisse de Droit International
- Annals Air and S.L. Annals of Air and Space Law
- Ant. J.U.S. Antarctic Journal of the United States
- A.N.U. Australian National University
- A.S.I.L. American Society of International Law
- Aust. Quar. The Australian Quarterly
- Austr. L.J. The Australian Law Journal
- B.A.S. British Antarctic Survey
- B.I.I.C.L. British Institute of International and Comparative Law
- Bos. Coll. I.C.L.R. Boston College International and Comparative Law Review
- Bos. U.L.R. Boston University Law Review
- Brook. J.I.L. Brooklyn Journal of International Law
- B.Y.B.I.L. British Yearbook of International Law
- C.C.A.M.L.R. Convention for the Conservation of Antarctic Marine Living Resources
- C.I.A. Central Intelligence Agency, U.S. Government
- C.J.T.L. Columbia Journal of Transnational Law
- C.J.W.B. The Columbia Journal of World Business
- C.M.L.R. Common Market Law Review
- Cal. West. I.L.J. California Western International Law Journal
- Can. Y.B.I.L. The Canadian Yearbook of International Law
- Case W.R.J.I.L. Case Western Reserve Journal of International Law
- Comp. I.L.J. South Afr. Comparative and International Law Journal of Southern Africa
- Conn. L. Rev. Connecticut Law Review
- Coop. and Confl. Cooperation and Conflict

xiv Abbreviations

Corn. I.L.J. Cornell International Law Journal

F.A.O. Food and Agriculture Organization of the United Nations

For. Af. Foreign Affairs

For. Pol. Foreign Policy

G.A.T.T. General Agreement on Tariffs and Trade

G.Y.I.L. German Yearbook of International Law

Har. I.L.J. Harvard International Law Journal

I.C.E.S. International Council for the Exploration of the Sea

I.C.L.Q. International and Comparative Law Quarterly

I.J.I.L. The Indian Journal of International Law

I.L.M. International Legal Materials

I.M.O. International Maritime Organization

I.O. International Organization

I.Y.B.I.A. The Indian Yearbook of International Affairs

Int. Af. International Affairs

Int. Conc. International Conciliation

I.U.C.N. International Union for the Conservation of Nature

J.A.G.Jour. Judge Advocate General Journal

J.D.I. Journal du Droit International

J.I.S.W.A. Journal of Interamerican Studies and World Affairs

J. Int. Af. Journal of International Affairs

J.I.L. Journal of International Law

J.M.L.C. Journal of Maritime Law and Commerce

J.W.T.L. Journal of World Trade Law

J. Comp. Leg. I.L. Journal of Comparative Legislation and International Law

Jap. An. I.L. Japanese Annual of International Law

Law Pol. Int. Bus. Law and Policy in International Business

M.T.S.J. Marine Technology Society Journal

Mc. Gill L.J. Mc Gill Law Journal

Mel. U.L.R. Melbourne University Law Review

N.Z.I.R. New Zealand International Review

N.Z.L.J. New Zealand Law Journal

Nat. Res. J. Natural Resources Journal

Ocean Dev. I.L. Ocean Development and International Law

O.Z.F.O.R. Osterreichische Zeitschrift fur Offentliches Recht

Phil. Trans. R. Soc. Lond. Philosophical Transactions of the Royal Society, London

Pol. Rec. Polar Record

Pol. Sci. Q. Political Science Quarterly

Proc. A.S.I.L. Proceedings of the American Society of International Law

R.B.D.I. Revue Belge de Droit International

R.G.D.I.P. Revue Générale de Droit International Public

R.I.A.A. Reports of International Arbitral Awards

Rec. Cours Ac. D.I. Recueil des Cours de l'Académie de Droit International

Abbreviations xv

Rev. Hel. D.I. Revue Hellenique de Droit International

Rev. Iran. Rel. Int. Revue Iranienne de Relations Internationales

Riv. Studi Pol. Int. Rivista di Studi Politici Internazionali

S.C.A.R. Scientific Committee on Antarctic Research

S.C.L.Rev. Southern California Law Review

S.I. Statutory Instruments of the United Kingdom

San.D.L.R. San Diego Law Review

Sci. Publ. Af. Science and Public Affairs

S.I.P.R.I. Stockholm International Peace Research Institute

Sov. Y.B.L. Soviet Yearbook of International Law

Stan. J.I.L. Stanford Journal of International Law

Sv. J.I.L.C. Syracuse Journal of International Law and Commerce

U.B.C.L.R. University of British Columbia Law Review

U.C.L.A.-Alas. L.R. University of California Los Angeles, Alaska Law Review

U.C.L.A. L. Rev. University of California Los Angeles Law Review

U.N.E.P. United Nations Environment Programme

U.N.T.S. United Nations Treaty Series

Univ. Mia. L. Rev. University of Miami Law Review

U.N.I.T.A.R. United Nations Institute for Training and Research

U.S. Nav. Int. Proc. United States Naval Institute Proceedings

U.W.I.S.T. University of Wales Institute of Science and Technology

Virg. J.I.L. Virginia Journal of International Law

Virg. L.R. Virginia Law Review

West, Ont. L.R. Western Ontario Law Review

Wil. Ouar. The Wilson Ouarterly

Wisc. L. Rev. Wisconsin Law Review

Y.B.I.L.C. Yearbook of the International Law Commission

Y.B.W.A. Year Book of World Affairs

Y.L.J. The Yale Law Journal

Z.A.O.R.V. Zeitschrift für auslandisches öffentliches recht und volkerrecht

Contents

	Preface viii	
	Abbreviations xiii	
Part I		
laiti		
_	and the development of resources	
1	The evolution of the system of Antarctic co-operation and the	
	influence of the development of resources	3
1.1	Stages of development in the Antarctic 3	
1.2	Claims of sovereignty: the view of international law and the evolution of the Antarctic debate 5	
1.3	Pre-eminence of Antarctic sovereignty and tendency towards conflict 8	
1.4	The 1959 Treaty and its influence on the system of Antarctic co-operation	12
1.5	The development of Antarctic resources: the new requirements of	
	co-operation 19	
	Notes 26	
2	The Antarctic legal system and the development of a norm-creating	
	function in the field of natural resources	39
2.1	The Antarctic Treaty as a basic legal framework 39	
2.2	Norm-creating activity in relation to natural resources 45	
2.3	The norm-creating function relating to Antarctic mineral resources 48	
2.4	The moratorium on mineral activities 51	
2.5	The norm-creating competence of consultative meetings and the practice of	
	the system 57	
2.6	The option of instruments for resources regimes 67	
	Notes 69	
3	Antarctic sovereignty and jurisdiction: new approaches for a	
	resources policy	76
3.1	Antarctic sovereignty and co-operation: the need for reconsideration 76	
3.2	The bases of jurisdiction in international law and the Antarctic case 84	
3.3	Jurisdiction in the Antarctic Treaty system 90	
3.4	Jurisdictional criteria in the light of the resources policy 109	
3.5	Models for the organization of a mineral resources regime 114	
	Notes 117	

4	The Law of the Sea in the Antarctic Treaty system: its evolution in the
	light of the resources regime 127
4.1	The maritime extension of the Antarctic Treaty system 127
4.2	The Consultative Parties and the general regime of the Law of the Sea 134
4.3	The regime of the Agreed Measures and the status of the territorial sea 137
4.4	The Seal Convention: clarification of the regime for the high seas 141
4.5	The living resources regime and the issue of the Exclusive Economic Zone 145
4.6	The minerals regime and the issue of the continental shelf in Antarctica 155
4.7	The legal regime relating to ice and other aspects of the Law of the Sea 159
4.8	The joint maritime jurisdiction within the Antarctic system 162
	Notes 166
Part II	
	Antarctic minerals: the process of internal accommodation 183
5	Basic elements of the regime for the exploration and exploitation of
	Antarctic mineral resources 185
5.1	The complexity of interests involved in the negotiation 185
5.2	Nature and objectives of the regime 192
5.3	The area of application of the regime 203
5.4	The system of exploration and exploitation 212
5.5	The contractor and the required conditions 229
5.6	The legal regime of contracts 235
5.7	Compliance with, and the enforcement of, the regime 248
5.8	Evaluation of the system of exploration and exploitation: the quest for
	equilibrium 253
	Notes 256
6	Special policies pursued by the mineral resources regime 279
6.1	Environmental conservation policy 279
6.2	Financial aspects of the regime 288
6.3	Anti-trust policies and the question of other restrictive practices 299
6.4	New dimensions relating to the policy of scientific research 301
	Notes 303
7	The distribution of powers within the regime: models and alternatives
	for accommodation 314
7.1	Basic interests and participation in the exercise of powers 314
7.2	Jurisdictional models and proposals for assignment and distribution of
	powers 316
7.3	Jurisdictional models of a functional type 323
7.4	Criteria of the Antarctic regime: the quest for equilibrium 330
	Notes 341
8	The institutional system of the mineral regime 349
8.1	Institutional development in the framework of the Antarctic Treaty
	system 349
8.2	The new institutional requirements of the mineral regime 356
8.3	The composition of the Commission and other organs 361
8.4	The mechanism for decision-making in the institutions 369
8.5	The basic competences of the organs of the regime 376
8.6	Other institutional aspects of the regime 383

Contents vii

8.7	Machinery for the settlement of disputes 380
	Notes 398
Part III	
9	Participation of States other than the Consultative Parties in the
	Antarctic Treaty system 411
9.1	The need to balance the rights and obligations of signatory countries 412
9.2	Accession clauses of the Antarctic Treaty and other instruments 414
9.3	Withdrawal and amendment provisions 420
9.4	Rights and obligations of third States 423
9.5	Control over the activities of third parties: Article X of the Treaty and other
	provisions 434
9.6	Limit to the policy of persuasion and legal capacity to take action against third
	parties 442
	Notes 447
10	The Antarctic Treaty system and the international community 458
10.1	First proposals for internationzation 458
10.2	Relationship between the Antarctic Treaty system and the international
	community 462
10.3	The model for general internationalization 469
10.4	Criticism of the Antarctic Treaty system and the trend towards change 479
10.5	Proposals for new forms of organization for the Antarctic Treaty system 489
10.6	The future of the Antarctic Treaty system 492
	Notes 498
11	Conclusions 519
	Appendix 1 The Antarctic Treaty 527
	Appendix 2 Table of signatures and ratifications 533
	Table of Cases 540
	Table of Statutes and national legislation 542
	Table of Treaties 544
	Bibliography 547
	Index 603

Part I

The international legal framework of Antarctic co-operation and the development of resources