## CONTENTS

**List of Plates, Figures, and Tables**  

**Foreword, by Philip L. Kohl**  

**Preface**  

**Introduction**  
- Environmental Setting  
- Climatic Conditions in the Bronze and Iron Ages  
- Chronology and Periodization  
  - Chronological Intricacies  
  - Periodizations: Remarks about Terminology and Structure  
- General Definitions  

**PART ONE. THE BRONZE AGE: THE RISE OF ECONOMIC AND CULTURAL COMPLEXITY**

1 **The Development of Bronze Metallurgy**  
   - The Stages of Metallurgical Development in Eurasia  
   - The Urals’ Bronze Metallurgy  
     - The Beginning  
     - Further Developments  
     - The Apex of Uralian Metallurgy: Expansion and Perfection  

2 **The Achievements and Collisions of the Early and Middle Bronze Age**  
   - The Yamnaya Culture in the Cis-Urals  
   - Archaeological Characteristics  
   - Chronological Variants and Their Cultural Attributions  
   - Were the Folk from the Yamnaya Kurgans Socially Organized Pastoral Nomads?  
   - The Abashevo Culture  
   - The Sintashta Culture
Table of Contents

Archaeological Materials

Settlements, 68 • Cemeteries, 75

The Petrovka Culture 81

What Was Behind the Sintashta and Petrovka Antiquities?

Economic Sphere 86

Social Contrasts 90

The Origin and Ultimate Fate of the Sintashta Cultural
Core-Tradition 96

The Cultural Formations in the Forest Zone 98

Cis-Urals Subarea 98

The Forest-Steppe and Southern Taiga of Western Siberia 103

The Pre-Andronovo Horizon in the Western Siberian
Forest-Steppe 104

Sites of the Seima-Turbino Type 106

3 Stabilization, Colonization, and Expansion in the Late
Bronze Age ........................................... 111

The Uralian Variant of the Srubnaya Family of Cultures 111

Archaeological Characteristics 112

Economic and Social Aspects 120

The Andronovo Family of Cultures 123

The Alakul Culture 127

Archaeological Characteristics, 128 • Complication of
Internal Chronology and the Origin of the Alakul
Culture, 136

The Fyodorovo Culture 138

Archaeological Materials, 139 • The Problem of the
Origin of the Fyodorovo Core-Tradition, 144

Economic and Social Dimensions of the Andronovo Cultures 146

Northward Expansion 150

The Andronovo-Like Cultural Horizon 151

4 On the Eve of a New Epoch: Final Bronze Age ............ 161

The Sargary Culture 161

Mezhovka-Irmen Cultural Horizon 170

The Mezhovka Culture 170

The Irmen Culture 175

Summary: Bronze Age Trajectory 178

PART TWO. THE IRON AGE — FORMING EURASIAN INTERACTIONS

5 The Transition to the Iron Age and New Tendencies in
Economic Development .................................. 187

The Introduction of Iron Technology into Eurasia 188

The Ural Ferrous Metallurgy 193

The Ananyino Metallurgy (Cis-Urals Area) 194

The Itkul Metallurgy (Trans-Urals Area) 196

Transition to the Real Ferrous Metal Production 197
## Contents

### 6 The Southern Urals within the Nomadic World: At the Cultural Crossroads

- General Aspects of Nomadic Studies 203
- Ecological and Historical Dimensions of Eurasian Nomadism 203
- About the Origins of Eurasian Nomadism 209
- Social Organization of Eurasian Nomads 212
- Material Culture of Nomads 215
- The Nomads of Southern Urals 220
- A Short Excursion into the History of Eurasian Nomads 220
- Nomadic Cultures of the Urals 230
- Pre-Sarmatian and Initial Sarmatian Cultural Development 233
- The Early Sarmatian Development (Prokhorovo Culture) 240
- The Middle and Late Sarmatian Developments 245

### 7 The World of Cultures of Cis-Urals Forest Zone of Eastern Europe: The Maintenance of Cultural Identities

- The Ananyino Cultural Groups 252
- The Pyanobor Cultural Groups 261

### 8 The Forest-Steppe Cultures of the Urals and Western Siberia: On the Northern Periphery of the Nomadic World

- Cultural Groups of the Forest-Mountain Area of the Middle and Southern Urals 277
- The Forest-Steppe Cultures of the Trans-Urals and Western Siberia 287
- Pre-Sargat (Formative) Phase 289
- Gorokhovo-Sargat Phase 292
- Classic Sargat Phase 298
- Late Sargat Phase 311
- Summary: Interactions between Nomads and Forest Populations 312

### 9 Social Trends in North-Central Eurasia during the Second and First Millennia BC

- Social Strategies of the Second Millennium BC 317
- Social Strategies in the Iron Age 326

### Notes 339

### References 347

### Index 375