Science from Phobos  p. 290
Phobos postscript  p. 294
The path to Mars: what was learned?  p. 295
References  p. 297
Orbiting space stations  p. 301
Beginnings of space biology: Korabl Sputnik  p. 301
Space biology by cosmonauts  p. 308
Hitting the first walls of space biology: Cosmos 110  p. 313
Space biology's lunar journey: the flight of the tortoises  p. 315
Soyuz as a platform for space science  p. 318
Weightlessness: a warning  p. 321
Salyut orbiting station  p. 324
Salyut science  p. 327
Solo Soyuz science  p. 330
science  p. 331
science  p. 332
science: materials processing plant on orbit  p. 336
science  p. 339
science  p. 347
Mir science  p. 352
International Space Station (ISS) science  p. 360
Orbiting space stations: what was learned?  p. 365
References  p. 368
Later Soviet space science: the observatories  p. 375
Astronomical science: Astron, Kvant, Granat, and Gamma  p. 375
Great observatories: Astron  p. 376
Great observatories: Kvant  p. 380
Granat and the great annihilator  p. 383
The last great observatory: Gamma  p. 389
Integral: the great attractor  p. 391
Intercosmos: introducing the second phase  p. 393
The Ellipse and Magik missions  p. 393
The Ionozond missions  p. 397
The Priroda and Bulgaria 1300 missions  p. 402
The Aktivny and APEX missions  p. 405
The Oval mission  p. 409
Aureole 3  p. 412
The search for fireballs: Prognoz M (Trterball)  p. 414
Interball: the magnetosphere remodeled  p. 420
Atmospheric science from sounding rockets: Vertikal  p. 424
Smaller sounding rocket programs  p. 427