

Author index

Barton W. Off the shelf and on to Mars	300	Hawkey A. Artificial gravity	284	Richardson M. The next target for the US manned space programme?	132
Bowman G. Armstrong - a name etched in time	320	Hengeveld E. Apollo 11 – a flight into history	66, 110, 154, 198, 242, 282, 318	Sastrowardoyo H.B. Astronaut confident about future	82
Brekke P., Fleck B. and Haugan S.V. Is the Sun going crazy?	50	Lunar pilot	462	Senator reflects on space trip	214
Catchpole J. Farewell to the orbital space plane	248	Holt R. Asteroids	372	Ukraine astronaut eyes suborbital prize	288
Moving forward on the Orbital Space Plane	156	Kidger N. Chronology of the Space Station	14, 61, 104, 149, 192, 236, 280, 315, 357, 398, 422, 464	Siddiqi A.A. A secret uncovered	205
Clark P.S. Shen Zhou 5 – flying the red flag	54	Dutch flavour to Space Station mission	276	Simpson C. Beagle team leaves no stone unturned	417
Corneille P. Cosmonauts revive dormant Mir space station	332	Kislyakov A. Looking beyond the ISS	143	Climate of change for ESA	346
Double loss at Mars for NASA	203	Kite E. Assembling the jigsaw of life	146	Europe aims to give future Mars landers higher priority	309
First Indian to fly in space visits Russian Salyut 7 station	332	Lawrie A. A chequered path to success	244	The new lord of the rings	353
High life on Mars	389	Long K. Engineering a wormhole	220	UK plc urged to join future	385
Voyager 2's encounter with Neptune	294	Mangles J. Cheap access to space	44, 110	UK stakes claim on future Mars missions	454
Day D.A. Aiming for the high frontier	467	Oberg J. Astronauts enhance Space Station science operations	312	Smith M. Planetary SETI craves scientific credibility	35
Ferrets of the high frontier	74	Science of uncertain returns	393	Szames A. Israel stars aiming for the new high ground	200
First light	327	Owens L. Rosetta on way to comet	188	Tomlinson B. BDB	264
In the shadows of the Moon race	436	Peek K. Recovering Columbia	161	Van de Haar G. Messenger on its way to Mercury	382
Lucky number 13	165	Phelan D. Russian space medicine still aims for Mars	19	Moments in the training of an ESA astronaut	433
Pushing iron	289	Powell J.W. State of collapse	361	Vis B. Space Station tourists	428
The last lunar outpost	399	Ralph N. A heavy-lift workhorse for Project Constellation	443	You have mail	472
Day D.A. and Siddiqi A.A. The Moon in the crosshairs Part 2	112			Webber D. Space tourism – the enabler	176
French F. Achieving the impossible	68			Whitfield H. Skylark ready to bow out on high note	457
Fawkes S and Irvine M. The starship free enterprise	348			Zaitsev Y Manned space flight –future perspective	103
Furniss T. International Space News	4, 46, 92, 136, 180, 224, 266, 302, 338, 374, 410, 446			Orbital fashion parade	366
Gainor C. Voyager 1's amazing trip to Saturn and Titan	324				

Subject index

A Agena rocket	289	Hieb, Richard	82	B Baikonur cosmodrome, Kazakhstan	14, 24, 62, 99, 150, 182, 184
Agena Ferret spacecraft	74	Kaleri, Aleksandr	6, 11, 14, 49, 61, 96, 104, 149, 153, 181, 192, 236	Ball Aerospace & Technologies	10
Alcatel	140	Khrushchev, Sergei	69	Beagle 2	4, 23, 28, 31, 46, 94, 137, 309
Alenio Spazio	53	Kuipers, Andre	9, 14, 49, 99, 141, 153, 181, 241, 276, 433	Biosatellite	140
Allied Aerospace	53	Lind, Don	67	BNSC (British National Space Centre)	11, 146, 275
AMC-10	139	Lovell, Jim	110, 155	Boeing	6, 11, 47, 49, 140, 160, 228, 419, 453
Amazonas communications satellite	411	Lu, Edward	6, 13, 104, 183, 287	Boeing Satellite Systems	47, 412
Ames Research Centre (ARC)	146	McArthur, Bill	14, 49, 96, 141, 153	Book notices	43, 130, 173, 259, 298, 336, 370, 407, 477
Amos 2 communications satellite	5	Malenchenko, Yuri	6, 99, 104	Brazil	138, 142, 453
Andrews Space	11	Malyshev, Yuri	333	C California Institute of Technology (Caltech)	180
Anik F2	339	Moschenko, Sergei	153	Californian fires	11
Anti-satellite weapons	467	Noriega, Carlos	49	Canadian Space Agency	378
Apollo 8	65, 142	Padalka, Gennadi	141, 153, 181, 224, 270, 276, 315, 357, 422, 457	Canada	141, 142
Apollo 11	66, 110, 154, 198, 242, 282, 318, 321	Pettit, Don	96, 153	Cassiope mission	141
Apollo 16 fire	244	Poliakov, Valeri	49	SCISAT-1	406
Apollo 17	83	Pustovyi, Yaroslav	288	Cape Canaveral Air Force Station	97, 101, 138, 139, 157, 187, 225
Anite systems	412	Ride, Sally	180	Cassini spacecraft (NASA)	228, 275, 302, 324, 353, 377
Ansari X-Prize	446	Schmitt, Jack	67	CBERS (China Braxil Earth Resources Satellite)	51
Apollo-based craft	48	Sellers, Piers	196, 345	Centro de Astrobiologia (Spain)	146
ARGON reconnaissance satellite	79	Serebrov, Alexander	332	Chandra X-ray telescope (NASA)	9, 138
Arianespace	47	Sharipov, Salizhan	49, 141, 153, 241	China	21, 225, 305, 339, 342, 375
Ariane 4	138	Sharma, Rakesh	333	Chinese National Space Administration	96
Ariane 5	5, 11, 99, 140, 339	Strekalov, Gennady	333	Double Star spacecraft	96, 139, 374
Ariane 5 ECA	8, 98, 187, 228, 273	Tereshkova, Valentina	180, 381	Galileo	8
new contracts	98, 184, 274, 411	Thiele, Gerhard	153, 241	Long March boosters	47, 96, 139, 273
Artificial gravity	284	Thomas, Donald	96, 153	Jiuquan launch site	55
Asia Pacific Space Cooperation	7	Tokarev, Valeri	14, 49, 141, 153	Shen Zhou spacecraft (general)	9, 54, 180, 226
Astronauts and cosmonauts		Treschev, Sergei	195	Shen Zhou 5 mission report	53
Aldrin, Buzz	67, 110, 198, 243, 282, 319	Viktorenko, Alexander	332	Tan Ce 2	342
Anders, Bill	155	Walz, Carl	49, 106	Yang Liwei	56
Armstrong, Neil	67, 69, 110, 185, 198, 214, 242, 282, 319, 320	Astronaut health	19	Zhongxing 20 communications satellite	47
Chiao, Leroy	49, 96, 141, 153, 241	training	433	CIA intelligence	75, 110, 289
Collins, Eileen	6, 49	Atlas, accident	361	Civilian Space Exploration Team (CSXT)	305
Collins, Michael	67	II	411	CNES	214
Duffy, Brian	82	IIAS	47, 96, 139, 142	Comet 67P/Churyumov-Gerasimenko	136, 191
Duque, Pedro	6, 14	IIIB	97, 142	Comet Wild 2	99
Fincke, Michael	141, 153, 181, 224, 241, 270, 276, 315, 357, 422, 457	V	10, 47, 48, 49, 97, 142, 158, 187, 225	Comet Wirtanen	136, 191
Foale, Michael	6, 11, 13, 14, 49, 61, 96, 104, 149, 153, 181, 192, 236	Atlas-Agena launch vehicle	76, 138	Commercial space	446
Gagarin, Yuri	54	Australia	140	Congress	49
Glenn, John	54, 185	Autographica	381		
Haise, Fred	48, 110, 155				

- Corona reconnaissance satellites 75, 165, 289, 328
 Corot satellite (CNES) 99, 405
 Correspondence 38, 84, 128, 170, 217, 253, 296, 334, 368, 404, 441, 474,
- Cosmonauts**
 Gagarin Cosmonaut Training Centre 20
 health 19
 post office 472
 training 411
 Cosmos 2399 reconnaissance satellite 47
 Crew Exploration Vehicle (NASA) 136, 185, 227, 270, 376
 Crew return vehicle (X-38) 156
 Crew Transfer Vehicle (CTV) 157
- D**
 DARPA - Orbital Express 46
 DART (NASA) 46, 157, 447
 Delta, II 46, 97, 101, 225, 383, 413, 415
 IV 48, 49, 97, 158
 Delta mission 9, 151, 181, 276
 DirecTV spacecraft 11
 Disaster Monitoring Constellation (DMC) 11, 224
 Discoverer spacecraft 165, 327
 Dryden Research Centre 48, 449
- E**
 EADS/Astrium 8, 46, 49, 130, 140, 188, 341, 343, 378
 Edwards Air Force Base 48
 EELV 49, 157, 228, 453
 Egyptsat 1 229
 Energia 10, 14, 53, 62, 136, 143, 272
 ESA general 137, 227, 228, 273, 304, 338, 345, 378, 379, 415, 419
 aerobots 48
 ATV 338
 Aurora 139, 225, 385, 449, 454
 Bepi Colombo 8
 Cervantes mission 16
 Cluster spacecraft 96, 381
 contracts 98
 Cosmic Vision 8
 Cryosat mission 98
 Cupola 419
 Delta mission 9
 Eddington mission 8
 Envisat 7, 274
 ESOC 26, 137
 ExoMars 139
 GOCE mission 98
 Herschel Planck 343
 Jean-Jacques Dordain (DG) 346
 Jules Verne 381
 Mars Sample Return (MSR) mission 46, 139
 StarTiger project 304
 Ulysses 140
 Vega 304
 working with China 96, 139
 XMM-Newton 138
 EUMETSAT, Metop satellite 49
 MSG 3 98
 Eurockot 7, 98
 European Space Policy Institute (ESPI) 414
 EU (European Union) 9, 139
 Eutelsat 46, 99, 182
 Express AM22 communications satellite 96
 Express MD telecommunications satellites 53
- F**
 F-15 anti satellite weapon 467
 Farnborough Air Show 338, 343, 378
 Federal Aviation Administration (FAA) 142, 446
 Finmeccania 53, 139
 First Indian in space 333
 Foton 9
- G**
 GALEX (NASA's Galaxy Evolution Explorer) 102
 Galaxy (new) 8
 Galileo - navigation system 8, 46, 97, 139, 184, 230, 447
 Garn, Jake (Senator) 214
 Gasprom 53
 Gemini Observatory 414
 Genesis 447
 Globalstar 11
 Glonass navigation satellites 7, 8, 140, 309
 GMES 415
 Goddard Space Flight Centre 101, 187
 Gravity Probe B 231, 415
 GPS 47, 97, 225
- H**
 Hisdesat 98
 Hispasat 46, 411
 Hubble Space Telescope 46, 145, 180, 184, 229, 269, 270, 307, 308, 344, 378, 379, 447
 Huygens lander 102, 228, 353, 421
- I**
 Icebergs 7, 149
 India 341, 415
 Chandrayan 1 140
 GSAT 4 140
 Geostationary Satellite Launch Vehicle 47
 ISRO 8, 47, 98, 183, 341, 413, 449
 ResourceSat-1 8
 Inmarsat 46
 Institute for Bio-Medical Problems 19, 138, 306
 Insurance 377
 Intelsat 140, 412
 VI-F3 83
 International Launch Services 47, 97, 139, 182, 273
 International Space Station (ISS) 10, 11, 12, 19, 96, 99, 136, 141, 143, 447, 449
 Canandarm 2 192, 196
 crew safety 13
 Destiny laboratory 61, 96, 105, 149, 192, 236, 315
 Expedition Crew Seven 6, 13, 104, 183
 Expedition Crew Eight 6, 13, 104, 153, 181
 Expedition Crew Nine 49, 141, 153, 224, 270, 457, 357, 422
 Expedition Crew Ten 49, 141, 153, 447
 Expedition Crew Eleven 49, 141, 224
 Expedition Crew Twelve 49
 long duration flight 224, 267
 Microgravity Science Glovebox 49, 108, 153
 MPLM (Multi Purpose Logistics Module) 6
 Pirs module 14, 196
 Progress 143
 M1-11 14, 62, 151, 191, 236
 M-38 152
 M-47 152
 M-48 14, 104, 149
 M-49 14, 62, 150, 317
 M-50 14, 62, 150
 science 312, 393
 Unity 192
 Z1 (Zenith) Truss 196
 Zarya 14, 61, 104, 143, 150, 195, 236
 Zvezda Service Module 61, 104, 149, 192, 236
- Into Space**
 A heavy-lift workhorse for Project Constellation 443
 Asteroids 372
 BDB 264
 Cheap access to space 44
 Engineering a wormhole 220
 Off the shelf and on to Mars 300
 Space tourism - the enabler 176
 The next target for the US
 manned space programme? 132
- Iran** 8, 449
 Isle of Man 138
 Israeli defence ministry 421
 Israel's National Research & Defense Center 200
 Israel Space Agency 98
 Israel 5, 140, 376
 Amos communications satellites 99
 Tauvex telescope 140
 IZMIRAN 11
- J**
 Japan
 H2A booster 47, 101, 138
 JAXA 47, 225, 379, 381, 421
 JCSAT 9 98
 Kodoma 2 10
 Lunar A - Moon orbiter 225, 379
 Midori 2, loss of 10
 Nozomi (Mars mission) 23
 space programme 140
 space tourist 308
 Tanegashima 47
 JIMO (NASA's Jupiter Icy Moons Orbiter) 97, 138, 271, 308
 John Hopkins Applied Physics Laboratory 187
 Johnson Space Center 30, 146, 161, 196, 376
 Jovian moons 138
 JPL (Jet Propulsion Laboratory) 97, 137, 203
- K**
 Karl Henize nebula 184
- Kazsat communications satellite 99
 Kennedy Space Center 5, 65, 242, 453
 Kistler Aerospace 141
 Khronichev Aerospace Centre, Russia 99
 KH-7 GAMBIT photo reconnaissance satellite 78
 KH-9 HEXAGON reconnaissance satellite 78, 289
 Kourou, French Guiana 8, 9, 10, 136, 141, 181, 188
 Krasnoyarsk Institute of Biophysics 46
- L**
 Landsat 7 imagery 102
 Langley Research Center 182
 LANYARD reconnaissance satellite 79
 Laser link 415
 Lisa Pathfinder mission 8, 341
 Lockheed 76
 Lockheed Martin 11, 49, 137, 139, 140, 158, 225, 273, 376, 447, 453
 A2100 AX spaceraft bus 98
 Infrared Satellite (SBIRS) 11, 379
 Pad Abort Demonstration vehicle (PAD) 6
 Space Systems 10, 83
 Logica 46
 Long March Boosters (China) 447
 Loral Space and Communications 98, 140
 Los Alamos National Laboratory 138, 187
 Lunar panoramas 426
 Lunar simulator 462
- M**
 Mariner 10 Venus/Mercury spacecraft 101, 187
 Mars 23, 35
 Beagle 2 4, 23, 28, 31, 46, 417
 future mission 21, 46, 225, 449, 454
 Mariner 4, 6, 7, 9 203
 Mars Climate Orbiter (NASA) 203
 Mars Express mission (ESA) 4, 23, 28, 31, 137, 226, 222, 309, 341, 417, 449
 Mars Global Surveyor (NASA) 4, 23, 35, 94, 203
 Mars Odyssey (NASA) 4, 23, 415, 449
 Mars Pathfinder-Sojourner 203
 Mars Polar Lander (NASA) 203
 Mars Sample Return (MSR) mission 46
 Mars Technology Development contract 419
 MER (NASA's Mars Exploration Rovers)
 general 4, 30, 187, 203, 226, 234, 271, 389, 449
 Opportunity 94, 187
 Spirit 94, 137, 187, 306, 449
 Nozomi 23, 30, 31, 142
 Phoenix Scout 142
 research 146
 science 31, 35, 203
 Viking 1, 2 203
 Marshall Space Flight Center 6, 49, 96, 102, 183
 Max Planck Institute 138, 143, 191
 Mercury 8, 101, 187, 382, 449
 Messenger spacecraft 5, 101, 187, 225, 229, 382, 413
 Milky Way galaxy 142, 184, 419
 Mir space station 11, 19, 49, 143, 150, 183, 228, 332
 Mitsubishi 11, 47
 Moon race 436
- N**
 NASA
 Alternate Access to Station 11
 Aura 97, 303, 340
 Deep Space 1 97
 Genesis spacecraft 271, 410
 James Webb space telescope 228, 378
 LRO (Lunar Reconnaissance Orbiter) 345
 First Lunar Outpost 399
 NEEMO project 342
 New Frontiers programme 375
 new ISTP 157
 Pad Abort Demonstration (PAD) 157
 Project Constellation 270, 443
 Project Prometheus 97
 Robonaut 376
 future of 49, 92, 270
 Sean O'Keefe 13, 141, 145
 X-33 157
 X-43A 250
 Neptune 294
 NEXIS (Nuclear Electric Ion System) 97
 NOAA 10, 140
 Northrup Grumman 140, 230
 NPOESS 10, 140
 NRO (National Reconnaissance Office) 47, 75, 97
 NSA (National Security Agency) 74

O					
Optus communication satellites	98, 275				
Orbimage	227				
Orbital fashion parade	367				
Orbital Recovery	229				
Orbital Science Corp	9, 53, 98, 160, 225, 342				
Orbital Space Plane OSP (NASA)	5, 6, 48, 49, 53, 96, 102, 156, 248				
P					
PanAmSat	229				
Paradigm Secure Communications	8				
Pegasus rocket	160				
Pete Aldridge	137				
Phoebe	302				
Pillinger, Colin (Professor)	29, 94, 137, 139, 309				
Plesetsk, Russia	98, 231				
Pluto	180, 378				
PPARC	228, 454				
Pratt & Whitney	53, 142				
President Bush					
US Space policy	92, 137, 143, 145, 185, 343, 399				
Proba spacecraft	185				
Proton	7, 99, 139, 182				
Proton K	96				
Q					
Qinetiq	184, 275, 377				
R					
Rafael (Israeli aerospace company)	200				
Rokot	99				
Rosaviakosmos	99, 143, 150, 187				
Rosetta	8, 25, 136, 188				
Russia's early space programme	19				
Zond 5	142				
S					
Salyut space stations	143, 333				
Samos F-1, F-2, F-3, F-4	75				
Satellite digest	12, 52, 100, 144, 186, 230, 272, 306, 344, 380, 420, 452, 449				
Saturn V	199, 242				
Saturn	324, 353				
Scaled Composites, SpaceShipOne	11, 47, 97, 102, 142, 227, 302, 348, 446				
Sciemus	377				
SciSys	48				
Sea Launch	11, 96, 102				
Sedna	180				
SIRTF	101, 142				
Skylark sounding rockets	457				
Skynet 5	8				
SMART-1 mission (ESA)	5, 102				
SMEX missions (NASA)	10				
Society News	176, 261, 444				
Society for Planetary Research (SPSR)	35				
SOHO	50, 228				
Solar Max satellite	82				
Solar storm	5, 96, 339				
South Korea	141, 449				
Komsat 2	98				
Soviet manned lunar programme	112				
Soviet space programme, history of	205				
Soyuz					
Clipper	272, 345, 419				
FG booster	99				
general	5, 6, 49, 143				
Kourou, French Guiana	9, 10, 141, 181				
Soyuz 2-1A	231				
new designs	136, 141				
taxi missions	6, 16				
T-11	333				
TMA-2	6				
TMA-3	6, 13, 150, 192, 236				
TMA-4	153, 241, 280				
TMA-5	447				
Space Adventures	99, 182, 231, 308				
SpaceDev	97, 137				
Space Exploration Initiative	399				
Space flight record	49				
Space medicine	19				
Space Shuttle programme, general	5, 48, 141				
Return to Flight (RTF)	4, 6, 49, 101, 141, 182, 183, 230, 270, 307, 374, 412				
Atlantis	6, 46, 49, 141				
CAIB	4, 48, 141, 182, 182, 230, 248, 270				
Challenger	82, 103, 164				
Columbia	4, 103, 137, 143, 145, 156, 161, 192				
Discovery	83, 140, 214, 343, 374, 413, 453				
Endeavour	83				
Enterprise retirement	48				
Hubble mission	46				
STS-51D	214				
STS-87	288				
STS-90	164				
STS-92	153, 214				
STS-114	6, 46, 49, 141, 182, 183, 230, 306, 374, 413, 453				
STS-121	6, 49, 182, 230, 345				
Space Station Chronology	14, 61, 104, 149, 192, 236, 280, 315, 357, 422, 464, 457				
Space tourists					
Gregory Olsen	231				
Mark Shuttleworth	99				
Dennis Tito	99, 428				
SpaceX					
Falcon 1 booster	47, 225				
Falcon V	98, 225				
Spirale satellite system	140				
Spitzer Space Telescope	101, 142, 180, 184, 268				
Spy satellites (Japan)	447				
SSTL (Surrey Satellite Technology)	11, 47, 187, 224, 447				
Starchaser Industries	266, 341				
Star City, Russia	141				
Stardust spacecraft (NASA)	99				
Starsem	5, 49, 98, 99, 184				
Swedish Space Corporation	187, 268, 421				
Syracuse satellites	98				
T					
T-38 jet trainer	183				
Telstar communications satellites	97				
Telstar satellites	140, 345				
Thales	46				
Thailand Space Agency	343				
Thor Agena launch vehicle	76, 327				
Titan	228, 325, 356				
Titan IV booster	139				
TsUP	62				
U					
Ukraine, National Space Agency	288				
Tsyklon 4	142				
UK space strategy	46, 338				
Ulysses solar polar orbiter	140				
US Air Force	49, 53, 75, 139, 140, 142				
Defense Support Programme (DSP)	139				
V					
Vandenberg AFB	10, 47, 74, 97, 138, 139, 166, 225, 327				
VEGA	343, 412				
Venus	187, 274, 303				
Virgin	446				
Voyager spacecraft	228, 294, 324				
W					
Webb, James	436				
Wendt, Guenter	155				
X					
X-34A	449				
X-37 Advanced Technology Demonstrator	53				
X-43C experimental vehicles	53				
XM Satellite Radio	9				
X-Prize	11, 47, 97, 102, 142, 227, 266, 302				
XTAR-EUR communications satellite	98				
Y					
Yamal 200 communications satellite	53				
Z					
Zenit 3SL	11, 102				

Book index

Abramov I.P.	Russian Spacesuits	131	Kramer S.B.	The Hundred Billion New-Ruble Trip	260
Apt J. et al	Orbit – NASA Astronauts Photograph the Earth	371	Launius R.D.	Frontier of Space Exploration	370
Bakich M.E.	Amateur Astronomy	336	Launius R.D.	Space Stations	131
Bilstein R.E.	Stages to Saturn	173	Liebergot S.	Apollo EECOM	130
Burgess C.	Fallen Astronauts	130	Levison P.	Realspace	130
& Doolan K.			McElyea T.	A Vision of Future Space Transportation	477
Carlotto M.	The Cydonia Controversy	131	Miroshnichenko L.I.	Radiation Hazard in Space	477
Cockell C.S.	Martian Exploration Planning	371	Moulin H.	History of Rocketry and Astronautics	407
Collins C.	Visions of the Cosmos	336	& Elder D.C.		
Dethloff H.C.	Voyager's Grand Tour	370	NAP	Life in the Universe	336
& Schorn R.A.			O'Dell R.C.	The Orion Nebula	370
Dubbs C.	Space Dogs	130	Pogue W.R.	Space Trivia	131
Godwin R.	Columbia Accident Investigation Report	173	Reid M.S.	Space Safety and Rescue and quality 2001	407
Godwin R.	Dyna Soar	43	& Romero M.		
Godwin R.	Gemini 12	260	Ruffini R.J.	Nonlinear Gravitodynamics	477
Godwin R.	Mars The NASA Missions Reports, Vol. 2	371	& Sigismondi C.		
Godwin R.	Sigma 7	131	Sacknoff S.	In Their Own Words	130
Goossens M.	An Introduction to Plasma Astrophysics and Magnetohydrodynamics	259	Scheeres D.J. et al	Spaceflight Mechanics 2003	260
	Soyuz: A Universal Spacecraft	407	Shostak S.	Cosmic Company	371
Hall R.D.			& Barnet A.		
& Shayler D.J.			Siddiqi A.A.	Sputnik and the Soviet Space Challenge	173
Hallion R.P.	On the Frontier	408	Siddiqi A.A.	The Soviet Space Race with Apollo	173
& Gorn M.H.			Springer A.M.	Aerospace Design	299
Hardy D.A.	Aurora: A Child of Two Worlds	43	Spufford F.	Backroom Boys	408
Hardy D.A.	Futures: 50 years in space	336	Stafford T.	We Have Capture	173
& Moore P.			Turner M.J.L.	Expedition Mars	299
Harra L.K.	Space Science	370	Vadali S.R.	The John L. Junkins Astrodynamic Symposium	407
& Mason K.O.			& Mortari D.		
Kerrod R.	Hubble: The Mirror on the Universe	407	Verger F. et al	The Cambridge Encyclopedia of Space	370
Klerkx G.	Lost in Space: The Fall of NASA and the Dream of a New Space Age	407	Woodmansee L.S.	Women of Space	131
	Lunar Bases	407	Young S.	Space Review Risk Analysis	336
Koelle H.H.	Missie DELTA	408	Prometheus Music	To Touch the Stars	259
Koenen S.					