Thursday October 7, 2004

Morning

8 am-noon	AMSAT Board Meeting, Alexandria 2
noon	AMSAT Board Lunch Break

Afternoon

1 pm-5 pm	AMSAT Board Meeting, Alexandria 2
5 pm-6 pm	AMSAT Board Dinner Break

Evening

6 pm-9 pm	AMSAT Board Meeting, Alexandria 2
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Friday October 8, 2004

Morning

8 am-noon	AMSAT Board Meeting, Alexandria 2
9 am	Registration Opens Arlington Rooms Foyer
10 am-noon	Poster Session and Commercial Vendor Setup, Arlington 1
9 am-noon	Self-guided tours of DC on your own
noon	AMSAT Board Lunch Break

Afternoon

Room: Arlington 2&3

1:00-1:10	AMSAT Symposium Kickoff, Presidents Welcome
1:10-1:40	AMSAT Eagle Project Fall 2004 Status Report Richard M. Hambly, W2GPS
1:40-2:00	AMSAT Eagle Project Dick Jansson, WD4FAB
2:00-2:20	Eagle's Radiation Environment Steven R. Bible, N7HPR

2:20-2:40	A Simulator for the AMSAT Eagle Spacecraft Ken Ernandes, N2WWD
2:40-3:00	C-C Rider Revisited Tom Clark, W3IWI, Bob McGwier, N4HY, Phil Karn, KA9Q, and Rick Hambly, W2GPS
3:00-3:20	Starting AMSAT's Lessons Learned Process Lee McLamb, KU4OS
3:20-3:40	Break
3:40-4:00	Software Defined Radios – The Future is Now Bob McGwier, N4HY, Gerald Youngblood AC5OG, Eric Wachsmann
4:00-4:20	The Easiest Satellites Laura Halliday, VE7LDH
4:20-4:40	Bias Tees for Satellite Receiving Systems, Emphasis on GPS Receivers John M. Franke, WA4WDL
4:40-5:00	From Sizzling Hot BBQ to Cool BUD-Lite, Taming the Grid Dish for Space Communications Anthony Monteiro, AA2TX
1-5 pm	Poster Sessions, Arlington 1
Evening 5 pm-? 6:00-7:30 pm 7:30-10 pm	Informal Dinner on your own Poster Session, Arlington 1 Presidents Club Meeting, Jefferson

Saturday October 9, 2004

Morning

Room: Arlington 2&3

8:00 am	Registration Opens
8:00-8:10	Welcome
8:10-9:15	ECHO's Last Month on Earth (The ECHO Launch Campaign) Chuck Green, NØADI
9:15-10:00	Echo Commissioning; Echo Command Team Jim White, WDØE, and Mike Kingery, KE4AZN
10:00-10:15	Break
10:15-10:40	ECHO as an Educational Tool Gould Smith, WA4SXM
10:40-11:00	Making Sense of Sensors Alan Bloom, N1AL
11:00-11:45	P3E Status; Peter Guelzow, DB2OS
8 am-11:45	Poster Sessions; Arlington 1

<u>Lunch</u>

11:45am-1pm Lunch on own—Restaurant Buffet Special Available in Hotel

Afternoon Room: Arlington 2&3

1:00-2:00	Amateur Radio on the International Space Station (ARISS) International Delegates Panel Session
	Larry Agabekov, N2WW, Frank H. Bauer KA3HDO, Gaston Bertels,
	ON4WF, Joerg Hahn, DL3LUM, Robin Haighton, VE3FRH, Keigo
	Komuro, JH1KAB, Ken Pulfer, VE3PU, Sergey Samburov, RV3DR,
	Masanobu Tsuji, JH2PRZ, Rosalie White, K1STO, Alberto Zagni, I2KBD
2:00-2:20	Remember, We're Pioneers! The First School Contact with the International Space Station Rita L. Wright, KC9CDL
2:20-2:40	NA1SS, NA1SS, This is KA7SKY Calling Carrie Cunningham, N7NFX
2:40-3:00	Voice/IP Communications for the ARISS Program James Stefano, W2COP
3:00-3:20	SSETI Express—the New Mode U/S Satellite Graham Shirville, G3VZV
1-3:30 pm	Poster Sessions, Arlington 1 (Posters must be removed at 3:30)
3:30 pm-5 pm	AMSAT Annual Meeting & Awards Ceremony, Arlington 2&3

Evening

- 6:00-7:00 pm Attitude Adjustment, Arlington Foyer
- 6:00-9:00 pm Cash Bar
- Banquet, Keynote speaker, prize drawing, Special 35th Anniversary 7:00-10 pm Celebration (Cake, reminiscing, highlights of our accomplishments), Arlington Ballroom

Sunday October 10, 2004

Morning

6:45-8 am 8 am-noon	Area Coordinators Breakfast, Jefferson AMSAT Symposium, Arlington 2&3
8:00-8:20	The DoD Space Test Program, Free Launches for Amateur Satellites Timothy J. Salo, ABØDO
8:20-8:40	University of Louisiana at Lafayette Starts a Satellite Program Nick Pugh, K5QXJ
8:40-9:00	ANDE—Telemetry/Command and Comms Bob Bruninga, WB4APR
9:00-9:20	An Experimental Space Surveillance RADAR Transponder for the RAFT1 CubeSat Robert Bruninga, WB4APR, and Anthony Monteiro, AA2TX
9:20-9:40	The CanX-2 Nanosatellite: Expanding the Science Abilities of Nanosatellites Daniel Kekez, VA3KKZ
9:40-10:00	GPS, Distributed Communications, and Thruster Experiments on the University of Texas FASTRAC Mission G. Holt, T. Campbell, and E.G. Lightsey
10:00-10:20	Echo's New Transmitter—a Software-Centric View John Teller, N4NUN
10:20-10:40	CAN-Do Project Update Bdale Garbee, KB0G
10:40-11:00	Why Is Spaceflight So Difficult?—A Look at Kinetic Energy Requirements for Orbital Flight Daniel Schultz, N8FGV
11:00-11:20	Demonstration and Development of Amateur Radio Applications of Natural Vacuum Electronics Nickolaus E. Leggett, N3NL
11:20-11:40	Winning the SETI Olympiad: The Role of the Dedicated Amateur H. Paul Shuch, N6TX
11:40-12:00	Proposal for an AMSAT Satellite with a Robot for Repair of the Satellite Joseph Cotton, N3IQA

Sunday October 10, 2004

Afternoon

Bus for tour to Air and Space Museum/Dulles Annex Available for
Boarding
Busses leave
Pre-Ordered Box Lunches on Bus
ArriveAir and Space Museum/Dulles Annex
Air and Space Museum/Dulles Annex Tour
Travel Back to Hotel
Arrive Crowne Plaza Hotel, Arlington, VA

Evening

6 pm-?

Dinner on your own; self guided evening tour of Washington DC, including Lincoln Memorial, Vietnam Veterans Memorial, Jefferson memorial, etc.

Monday October 11, 2004

Morning

9 am-noon	ARISS Meeting, Alexandria
9:00-9:20	Introductions and Welcome, All
9:20-9:40	Election Results, Robin Haighton, VE3FRH
	International Team Reports
9:40-10:10	1 ARISS Europe Report, Gaston Bertels, ON4WF
10:10-10:40	2 ARISS Canada Report, Robin Haighton, VE3FRH
10:40-10:50	Break
10:50-11:20	3 ARISS USA Report, Frank Bauer, KA3HDO & Rosalie White, K1STO
11:20-11:50	4 ARISS Russia Report, Sergey Samburov, RV3DR
11:50-12:20	5 ARISS Japan Report, Keigo Komuro, JA1KAB

12:20-1:15 pmLunch

Monday October 11, 2004

Afternoon

1:15 pm-4:30 pm ARISS Meeting, Alexandria

Committee Reports

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1:15-1:30	6 Public Relations, Ken Pulfer, VE3PU, Scott Stevens, N3ASA
1:30-2:00	Administrative Committee
	7 QSL Card status, Rosalie White, K1STO
	8 3 rd party traffic, Rosalie White, K1STO, Larry Agabekov,
	N2WW
2:00-3:00	Hardware Committee
	a) On-Orbit Hardware Status, Sergey Samburov, RV3DR, Kenneth
	Ransom, N5VHO (30 min)
	b) Hardware Development Status
	1. 10 Phase 2 Hardware, Lou McFadin, W5DID, Sergey
	Samburov, RV3DR (30 min)
3:00-3:15	Break
3:00-3:15	Break
3:00-3:15 3:15-4:15	Break Hardware Committee (Continued)
	Hardware Committee (Continued)
	Hardware Committee (Continued) b) Hardware Development Status (Continued)
	Hardware Committee (Continued)b) Hardware Development Status (Continued)2. MISSE-5/PCSAT2, Bob Bruninga, WB4APR (15 min)
	 Hardware Committee (Continued) b) Hardware Development Status (Continued) 2. MISSE-5/PCSAT2, Bob Bruninga, WB4APR (15 min) 3. SSTV, Miles Mann, WF1F (15 min)
	Hardware Committee (Continued)b) Hardware Development Status (Continued)2. MISSE-5/PCSAT2, Bob Bruninga, WB4APR (15 min)
	 Hardware Committee (Continued) b) Hardware Development Status (Continued) 2. MISSE-5/PCSAT2, Bob Bruninga, WB4APR (15 min) 3. SSTV, Miles Mann, WF1F (15 min) 4. Columbus Module Antenna System Status, Gaston Bertels,

Evening

4:30-9:00 pm Group Dinner; Optional Spy Museum Tour

Tuesday October 12, 2004

Morning

9 am-noon	ARISS Meeting, Alexandria (Continued)
9-10:30	
9-10:50	Operations Committee
	a) 15 School Group Operations, John Nickel, WD5EEV, Tim Bosma,
	W6MU (30 min)
	b) 16 General Operations, Kenneth Ransom, N5VHO (30 min)
	c) 17 Crew Training, Dave Taylor, W8AAS, Sergey Samburov,
	RV3DR (15 min)
	d) Astronaut & Cosmonaut Licensing, Kenneth Ransom, N5VHO,
	Sergej Samburov, RV3DR, Gaston Bertels, ON4WF (15 min)
10:30-10:45	Break
10:45-12:00	Project Selection & Use Committee, Lou McFadin, W5DID Moderates
	a) 18 Overview, Lou McFadin, W5DID, (15 min)
	b) 19 Fast Scan Television Proposal, Graham Shirville, G3VZV (30
	min)
	c) 20 VOIP Status, Scott Stevens, N3ASA (30 min)
noon-1pm	Lunch
<u>Afternoon</u>	
1 pm-5 pm	ARISS Meeting, Alexandria
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1:00-2:00	Project Selection & Use Committee Continued, Lou McFadin, W5DID Moderates
	d) Ionospheric Research, Lou McFadin, W5DID (20 min)
	e) 22 Russian External Satellite Concept, Sergey Samburov, RV3DR (40 min)
2:00-2:15	Financial Discussion, Robin Haighton, VE3FRH
2:15-3:45	23 Moon, Mars and Beyond, Group Strategy Session, Frank Bauer,
	KA3HDO Moderates
3:45-4 pm	Break
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4:00-4:30 24 2005 Meeting Plans, Frank Bauer, KA3HDO 4:30-5:00 Final Discussions and Closing of ARISS Meeting, All 2004 AMSAT-NA Space Symposium and Annual Meeting AMSAT 35th Anniversary Celebration October 8-10, 2004 Held in Conjunction with the Amateur Radio on the International Space Station (ARISS) International Delegates Meeting October 10-13, 2004 Crowne Plaza Hotel Arlington, Virginia

Evening

5:30 pm Group Dinner

Wednesday October 13, 2004

Morning

9 am-noon ARISS Meeting, Alexandria

9-noon ARISS Hardware Splinter Meeting (as required)

noon-1pm Lunch

<u>Afternoon</u>

Self Guided tour of DC museums (Examples include: Art Gallery, American History Museum, Air & Space, etc)