

LAO PEOPLE DEMOCRATIC REPUBLIC
PEACE INDEPENDANCE DEMOCRACY PROSPERITYMinistry of Education
National University of Lao
International relation and co-operation affairsP.O.Box: 7322
Vientiane Lao P.D.R.
Tel./Fax: (856-21) 415 427 or 412 381

Ref. 994 NUOL.PU/99

7 December 1999

To: Ms. Mantana Thammachoti
Center for International Affairs
Fax: 66 44 224 140

Subject: Visit of SUT Delegation

Dear, Thammachoti,

Thank you for your fax dated 7 December, 1999 regarding the visit of SUT Delegation. Mr. Phoukham Southichak our staff will meet the SUT Delegation at the meeting point. The tentative schedule of visiting is as below:

December 13th, 1999:

- a.m. 9.30 To meet Dr. Ruben C. Umaly at the airport, and hotel check in
- p.m. 14.00 To meet Dr. Pongchan Na Lampang and other team members at "SA PARN MITTAPAB LAO-THAI" in Lao's court, and hotel check in.
- 15.00 Welcome the SUT Delegation to National University of Lao by Mr. Tuyen Dongvan NUOL's Vice-Rector for International Relation and Cooperation.

December 14th, 1999:

- a.m. 9.00 Visit Project Director and staff
- 9.30 Interview and preliminary agreement
- p.m. 13.00 Continue interview and preliminary agreement (if necessary) and City Tour.

December 15th, 1999:

- a.m. Departure to Thailand

We will make a reservation for the SUT Delegation (4 single rooms) by your request at the TAI-PAN hotel for the nights of December 13 and 14. The hotel address is below:

TAI-PAN Hotel,
2-12 Francois Nginn Street
Ban Mixay, Vientiane.
Tel: (856-21) 216 906 Fax: (856-21) 216 223

Welcome the SUT Delegation soon.

Yours sincerely,

Mr. Sengsomphone Viravouth
Head, International Relation and Cooperation Office.

Understanding the Space Environment

- Space radiation:
 - Protect the crew from radiation while in interplanetary travel, with special attention to shielding from SPEs
 - 2.0 cm of aluminum (equivalent) will limit worst-case SPE dose to < 0.6 Gray, or 6 Sieverts at a quality factor of 10, and which is equal to the lifetime equivalent skin dose for astronauts (section 3.4.2)
 - Repeated encounters with the Van Allen belts (which extend out to about 5 Earth radii) should be avoided if considering High Earth Orbits (HEO's)
- Space debris:
 - Vehicle structure must be shielded from micrometeorites during the trip from Earth to Mars (section 3.5)
- Mars surface:
 - Although dust is omnipresent at the surface of Mars, no buildup over time was noted during the combined 3000+ sol mission of the Viking landers (Chapter 4)

Understanding the Crew

- Cabin Atmosphere:
 - A good compromise between sea-level atmosphere and oxygen enriched low pressure atmospheres might be to use and 81 kPa cabin atmosphere at 17 kPa pO₂, the equivalent of Earth normal at 1830 m (table 5-3)
 - The lower cabin pressure will aid in the selection of a pressure for EVAs
 - EVA prebreathing time can be reduced to less than one hour if EVA suit pressure is 38 kPa and R-1.40 (figure 5-1)
- Crew Operations:
 - Current US flight rules restrict crewmembers from performing EVA's on consecutive days (section 6.2.4)
- Crew Performance:
 - Crew habitat should separate private, quiet areas from noisy machinery such as exercise, gallery, of waste management
- Crew Psychology:
 - Communication capability is extremely important to crew psychological health - the ability to communicate with family is most effective in maintaining psychological well being



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Head, International Relation and Cooperation Office.

MINUTES OF THE SECOND APDMEN BOARD MEETING
NORFOLK ROOM, GRAND CHANCELLOR HOTEL
HOBART, TASMANIA, AUSTRALIA
9 DECEMBER 1997
(18:30 - 19:30)

IN ATTENDANCE WERE:

- Prof. Dr. Wichit Srisa-an, Chairman of the APDMEN, Rector, Suranaree University of Technology, thailand
- Prof. Toshio Nakamura, Co-Chairman of the APDMEN, Executive Vice President, Bunkyo University, Japan
- Prof. Dr. Ruben C. Umaly, Secretary of the APDMEN, Director, Center for International Affairs, Suranaree University of Technology, Thailand
- Dr. Thomas Baker, Ex-Officio Member, Asian Institute of Technology, Thailand
- Dr. Elpidio Morales, Vice Dr. Emmanuel Angeles, AUAP First Vice President,
- Prof. Dr. Zhu Weihua, President Yunnan University, New APDMEN Member
- ✓ Dr. Anton Prijatno, AUAP Board Member, President Universitas Surabaya, Indonesia
- ✓ Mr. Haris Sriwindono, New APDMEN Member, Universitas Surabaya
- ✓ Prof. Young Choi, New APDMEN Member, University of Tasmania
- ✓ Mr. Mahesh Prahadna, New Ex-Officio Member, UNEP, Thailand
- Dr. Wang Yibing, AUAP Advisory Council, UNESCO PROAP
- ✓ Dr. Ninnat Olanvoravuth, AUAP Advisory Council, ASAIHL

1. OPENING REMARKS: PROF. DR. WICHIT SRISA-AN
APDMEN CHAIRMAN

Prof. Dr. Wichit Srisa-an, the APDMEN Chairman warmly welcomed the Core Members of APDMEN and the new members. He reiterated his apologies for not being with the Committee the whole period of the Meeting because of his other previous commitments in Bangkok. He congratulated the Core Members of the Network for the great progress in the planning of activities for the early implementation of some APDMEN Projects. He also reiterated the appreciation and gratitude to UNESCO PROAP specially Dr. Wang Yibing for providing the financial support that made possible the Organizational meeting in Phuket.

Dr. Wichit also expressed his personal enthusiasm in the early implementation of some of the planned projects of APDMEN and he wished the Core Members and the new members more success in their activities.

2. APPROVAL OF THE AGENDA

The Assembly approved the Agenda as proposed by the Secretariat.

3. APPROVAL OF THE MINUTES OF THE FIRST APDMEN MEETING