

SEANET' 89

Singapore 17th—19th November

PROGRAMME

CONVENTION

FRIDAY 17 NOVEMBER — REGISTRATION AND OPENING CEREMONY

- 2.00pm Registration of delegates commences
— Connaught Room foyer
- 2.30pm Exhibition of amateur radio equipment
- 7.00pm Buffet dinner Connaught Room
Century Park Sheraton Hotel. All
delegates and visitors to be seated by
7.20 pm (All drinks to be paid by
individual)
- 7.30pm Arrival of Chief Guest Dr Tay Eng Soon,
Senior Minister of State for Education
- 7.40pm Welcome address Mr. T. K. Jayaram
9VIVS President SARTS
- 7.45pm Opening Ceremony by Chief Guest
Dr Tay Eng Soon
Senior Minister of State for Education
- 8.00pm SEAnet commences

SATURDAY 18 NOVEMBER — VISIT TO TELECOMS, S'PORE SCIENCE CENTRE OMNITHEATRE AND BANQUET

- 8.45am Group photograph at main entrance to
Century Park Sheraton Hotel
- 9.00am Coaches leave for Telecoms
- 9.30am Presentation of "Televue"
- 10.15am Coffee break by courtesy of Telecoms
- 10.30am Departure for S'pore Science Centre
- 11.00am Tour of S'pore Science Centre
commences
- 12.30pm Lunch

*SEAnet Convention amateur radio station, 9V0SEA, local
An experimental 6 meter station, 9V1ES, for auth*

PROGRAMME

- 2.15pm Walk across to Omnitheatre
- 2.30pm Visit Information Technology Exhibition
- 3.00pm View film at Omnimax Theatre
- 3.50pm Board coaches for return to hotel
- 4.00pm Coaches leave for Century Park Sheraton Hotel
- 4.30pm Arrive at hotel
- 6.45pm Coach leaves for Ming Court Hotel
- 7.00pm Convention Banquet at Ming Court Hotel "Ming Crystal Room 2 floor, (All drinks on individuals account)
- 10.00pm Coach leaves for Century Park Sheraton Hotel

SUNDAY 19 NOVEMBER — TECHNICAL PAPERS AND CLOSING SESSION CONNAUGHT ROOM CENTURY PARK SHERATON HOTEL

- 9.30am Paper I: "Amateur Radio SatCom" by Colin Richards 9M2CR
- 10.00am Paper II: "The New Zealand National Link" by Peter Williams ZL2ARW
- 10.30am Coffee break
- 11.00am Paper III: "VHF Propagation in the Tropics" by Dan Nelson 9V1SS
- 11.30am SEAnet Panel discussion chaired by Paddy Gunasekera 4S7PB
- 12.15pm Discussion on date/venue SEAnet '90
- 12.30pm Lunch at 'Cafe in the Park'
- 2.00pm "Auld Lang Syne"

*l at 14 floor will be in operation throughout the Convention
ised operators only is also located on the same floor.*

Synopsis of Technical Papers

PAPER I: "AMATEUR RADIO SATCOM" BY COLIN RICHARDS 9M2CR

Radio Amateurs have a long history of exploring new fields of endeavour in radio technology. In the early days of radio, short waves were ignored by the world's radio authorities as being useless for practical purposes. It was left to radio amateurs to show that short waves in fact had immense possibilities and could readily be used for world-wide communication.

It is not surprising therefore to find that radio amateurs were actively experimenting with satellite communication even before the first commercial satellite, Telstar 1, came into service in 1962. This paper describes the broad development of amateur radio satellite communications from the first OSCAR 1 in 1961 to the latest OSCAR 13 now orbiting the globe in a giant ellipse.

PAPER II: "THE NEW ZEALAND NATIONAL LINK" BY PETER WILLIAMS, ZL2ARW

This paper describes the amateur radio link which is currently being implemented in New Zealand. The project began approximately 5 years ago with the aim of providing a network of linked UHF repeaters throughout NZ. So far, over 80% of the amateur population is covered, and work is continuing to increase this. The Link backbone is being upgraded from a single NBFM voice channel in the 70 cm band to a multi-channel digital link in the 23 cm band.

The Link is used for many purposes including monthly official broadcast from NZART, packet bulletin distribution and emergency communications. The paper will include details of the UHF and microwave equipment being used, descriptions of the sites and paths in use and future plans for the link.

PAPER III: "VHF PROPAGATION IN THE TROPICS" BY DAN NELSON, 9V1SS

The many and varied factors affecting the propagation of VHF radio signals are discussed. Particular emphasis is given to those areas in which atmospheric conditions unique to tropical areas play an important role in influencing VHF communications. Topics to be covered include:

- calculation of free space path loss
- antenna height and its relationship to horizon distance
- changes in apparent horizon distance with varying atmospheric conditions
- wave interference and the Fresnel effect
- antenna polarization
- ducting of signals through temperature inversion layers
- tropospheric scatter propagation



**17th Annual South East Asia NET Convention
SINGAPORE**





17th Annual South East Asia NET Convention

(SEANET 89)

DATE: Friday 17th, to Sunday 19th November 1989

PLACE: CENTURY PARK SHERATON SINGAPORE
16 Nassim Hill, Singapore 1025.

PROGRAMME: The main purpose of the convention is to give SEANET participants a chance for eyeball OSOs.

SEANET 89 will begin on Friday evening with a cocktail reception.

On Saturday the programme includes a demo of "Teleview", an electronic interactive information system, and a visit to the Information Technology Exhibition.

Delegates will attend a show at the "Omnimax" theatre and then rendezvous to the 9VISC amateur radio station, located at the Singapore Science Centre.

The grand banquet on Saturday night will include a sing along session.

There will be presentation of Technical papers on Sunday.

SARTIS will operate an amateur radio station at the Convention Hotel, Century Park Sheraton, with the call-sign 9V0SEA. Propagation tests on 50 MHz will be carried out from the Convention station.

Registration: Registration fee per participant is SING \$160/-

Hotels: Singapore has accommodation ranging from the most luxurious down to the very simple hotels which would appeal to the budget travellers. However, two hotels have been chosen for delegates viz:

CENTURY PARK SHERATON SINGAPORE

16 Nassim Hill, Singapore 1025.

Telephone: 7331222.

Room costs a night: Single or Twin: SING \$110/-

Hotel MARCO POLO LTD *ming Court Hotel*

Tanglin Road Singapore 1024

Telephone: 4747141 7371133



Room costs a night: Single or Twin: SING \$93/-
++ Service charge etc
(Note: US\$1 is approximately SING \$1.93)

Hotels reservation for either Century Park Sheraton or Ming Court must be made in advance, on or before 15 Sept 89. The hotel occupancy rate in Singapore is very high and November 89 is expected to be a popular season for tourists and Corporate business travellers. Hence hotels are not willing to hold rooms indefinitely for Seonet delegates. The hotels have requested all room reservations to be supported with a deposit of one days room rate.

In the event of cancellation, deposits on hotel room reservations and the registration fee for the Convention will be refunded if notice of cancellation is received by 30 October 89.

Arriving in Singapore: The cost of taxi fare from Changi Airport to the convention hotel is approximately SING \$18.00.

Most Taxi drivers are fluent in English.

VISAS: Entry visas are not required for citizens of most countries for a social visit of two weeks. Besides their valid passports or travel documents, visitors must be in possession of an onward or return ticket and sufficient funds. If in doubt please check with the nearest Singapore Overseas mission or travel agent for the latest visa requirement.

IMPORTATION OF COMMUNICATION EQUIPMENT:

Prior authorisation from the Singapore Telecoms is necessary for importation of radio transmitters.

SEANET 89 CONTEST:

CW: Saturday 15th July '89 from 0000UTC to Sunday 16th July '89 2400UTC.

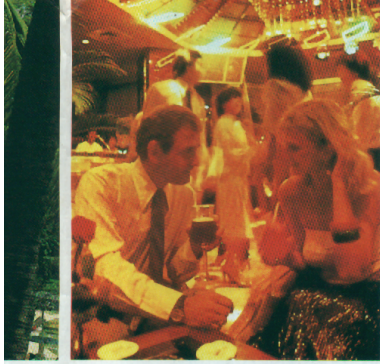
PHONE: Saturday 19th August '89 from 0000UTC to Sunday 20th August '89 2400UTC.

FOR MORE DETAILS AND RESERVATIONS CONTACT: SEANET 89, Robinson Road P O Box 2728, Spore 9047.

SPECIAL NOTES:

Any participant intending to present a Technical paper, should submit a synopsis by the 30th of September 1989.

IF YOU PLAN TO ATTEND SEANET 89, please complete this form and mail together with a remittance for the registration fee and deposit on hotel room. Remittances should be made out in favour of "Seonet '89". Reservations of hotel rooms must be made by 15 September 89.



Seanet 89
C/O Singapore Amateur Radio Transmitting Society
(SARTS), Robinson Road P O Box 2728 S'PORE 9047.

Name: (call sign)

Address:

.....

I plan to arrive on (date):

I plan to depart on (date):

I would like SARTS to make hotel reservations for
(number of people) on (dates)

at (hotel choice) Century Park Sheraton ()
Ming Court Hotel ()

I would like single room(s) ()
twin room(s) ()

Remittance attached for SING \$ being
Registration fee of SING \$160/- per person and deposit
on hotel rooms SING \$

Remarks:

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.....

.....

..... (date) (Signature)

SINGAPORE. WHERE THE WORLD COMES TOGETHER

Situated at one of the most important crossroads of the world, Singapore is truly a place where East and West come together.

Here you'll find Chinese, Indian and Malay communities living harmoniously together, their long established cultures forming a unique backdrop to a clean and modern garden city.

English is spoken everywhere and is the common business language of all.

There is a wide variety of beautifully appointed yet reasonably priced hotels offering impeccable standards of Asian service and hospitality.

And few places on earth promise such a delight for the palate, with gourmet cuisine from over 30 countries.

Singapore's climate is warm and welcoming all year round, with temperatures ranging from 28°C in the day, to 23°C by night.

To top it all, Singapore has conference facilities that rank amongst the finest in the world. For business and pleasure, Singapore has everything to make your convention a productive and a memorable experience.



SINGAPORE CONVENTION BUREAU

Raffles City Tower #36-04, 250 North Bridge Road, Singapore 0617

ORGANISING COMMITTEE

Chairman	K. C. Selvadurai	9VIUV
Member	T. K. Jayaram	9VIVS
	D. Rankin	9VIRH
	I Carnegie	9VIWD
	Peter Yee Chee Kee	9VIXO
Contest Manager	N. Yatheendran	9VIJY
Convention Station	Frank Oh Aw	9VIOK
Food Arrangements	Dr. H. Chan	9VIXH

MAILING ADDRESS

Seanet 89
Robinson Rd P. O. Box 2728
Singapore 9047

BANK ACCOUNT

Seanet 89
DBS Bank
6 Shenton Way
Singapore 0106

