

HARTS ANNUAL DINNER 2017

A 'tour d'horizon' of the opportunities and challenges to amateur radio from technological transformations and shifts in societal behaviour & expectations.

KEYNOTE ADDRESS

ON8RT RAVI

VR2/ON8RT

- First visit to HARTS in March 2016
- Obtained ATO & ASL from OFCA through passporting of CEPT HAREC license
- Observed proceedings at HARTS AGM in December 2016
- Participated in NVIS communication field-test at Mt.Davis on 26 March 2017
- Installed & monitored telecommunications infrastructure atop Dragon's Back on 21 January 2017 for *GreenPower Hike™*

Amateur radio **service**

- *“Amateur radio is a technical hobby and volunteer public service that uses designated radio frequencies for non-commercial exchange of messages, wireless experimentation, self-training, and emergency communications.”*
- With licensing rights come responsibilities which adhere to a **code of ethics & conduct**

The Radio Amateur's Code¹

The Radio Amateur is

- **CONSIDERATE**. He never knowingly operates in such a way as to lessen the pleasure of others.
- **LOYAL**. He offers loyalty, encouragement and support to other amateurs, local clubs, the IARU Radio Society in his country, through which Amateur Radio in his country is represented nationally and internationally.
- **PROGRESSIVE**. He keeps his station up to date. It is well-built and efficient. His operating practice is above reproach.
- **FRIENDLY**. He operates slowly and patiently when requested; offers friendly advice and counsel to the beginner; kind assistance, cooperation and consideration for the interests of others. These are the marks of the amateur spirit.
- **BALANCED**. Radio is a hobby, never interfering with duties owed to family, job, school or community.
- **PATRIOTIC**. His station and skills are always ready for service to country and community.

¹Adapted from the Original Amateur's Code written in 1928 by W9EEA Paul M. Segal

Challenges to mitigate/deflect/overcome

- ✓ Aging population of existing operators
- ✓ Reduced intake of newly licensed entrants
- ✓ Transfer of experience & history
- ✓ Advancements in techniques & tools
- ✓ Spectrum occupation & encroachment/reuse
- ✓ Antenna installation & radiation regulations
- Ever growing, changing & affordable technological offer from commercial mobile services operators
- Nomadic behaviour in a globalized world of virtualized (and sometimes overlapping) tribes and clans - each operating along differing interests, priorities & commitments
- ❖ Social-network enabled and data-network dependant experts

Political acknowledgement

“Volunteer communications **experts**—known as **amateur radio operators**— can provide communication and **hold things together** during a disaster **until** the commercial phones and radio **systems can recover**. Amateur radio is a technical hobby that teaches people how to use a two-way radio to communicate. **Amateur radio operators** volunteer their skills to **help the agencies and organizations** that rely on communications to fill the gap **when things go wrong.**”*

– Kristalina Georgieva, European Commissioner for International Co-Operation, Humanitarian Aid and Crisis Response

* IARU Region-1 Conference, Varna-Albena (Bulgaria) 22 Sept.2011

Opportunities in 'ever increasing circles'

- Community support
- Social welfare
- Emergency first response & burden-sharing
- STEM education outreach & enrichment
- Participation in Science&Tech advancements
- Community representation & networking
- Enlightened goodwill promoters
- Repository of knowledge & skill-sets

Volunteering

- Youth activities (Scouts, Cadets,...)
- Technological workshops (DIY makers)
- Preparedness (Red Cross, MSF, Civil Defence)
- Community awareness (Science Fairs, Challenges, Competitions, Symposiums, Expos, Museums,...)
- Political/Media networking, advisory & guidance
- Administrative consultations & coordination
- NextGen leadership identification & coaching
- Radio club-life and in-field routines

ENGAGE NOW !!!

- ❑ European Union Civil Protection Mechanism (Decision 1313/2013/EU)
- ❖ Mass population movements
- ❖ Public utilities outages and cyber-related disruptions
- ❑ International Journal of Disaster Risk Reductions
- *Multi-hazard risk assessment of two Hong Kong districts* (August 2016)
 - Bio-hazard, typhoon or radiation lock-down
- *Urban disaster preparedness of Hong Kong residents: A territory wide survey* (April 2017)
- ❑ Hong Kong MTR rush-hour power outage on 18 May 2017

Need **purposeful action** in **core** domains

- Community **Service**
- Education & **Preparedness**
- Public **Advocacy**
- Ethical & Inclusive **Fraternity**



Be proud because you (still) matter

I am an amateur radio operator

Main eek ham radio operator hoon

Naane ore amateur radio operator

Naanu ondu amateur radio operator

Je suis un radio amateur

THANK YOU !!!

AMATEUR RADIO



SERVICE THROUGH PURPOSEFUL ACTION