

# ***RADIO SOCIETY***

of Great Britain\_

---

## **Propagation Studies Committee (PSC)**

The purpose of the Propagation Studies Committee (PSC) is to promote interest in radio propagation amongst amateurs and shortwave listeners, to enable them to make informed use of the amateur bands and develop a research interest into the subject.

Its activities include (but are not limited to):

- Improving our understanding of radio propagation through promoting and coordinating research
- Liaising with academics and other experts on propagation matters
- Acting as consultants and advisors to RSGB members over propagation issues
- Writing propagation-related material, including HF predictions, for RSGB
- Giving educational talks and presentations to interested parties.

## **Report for Spectrum Forum meeting**

The Propagation Studies Committee continues to be involved in propagation research, from LF through to visible light.

Current projects include:

- HF noise measurements – a long-term project to see if noise levels are getting worse in the UK (G4FKH)
- Five Megahertz analysis and a comparison with VOACAP predictions (G0IJZ)
- Regular LF propagation analysis (G3NYK)
- Production of the 6 and 10 report (G3USF)
- Production of monthly HF Propagation charts for the UK, ad-hoc charts for Dxpeditons, talks and audio podcasts (G0KYA)
- The new 2m transatlantic beacon in Ireland (G4BAO)
- The use of visible light for communication – nanowaves (G8AGN)
- The effect of Doppler shift on stable and accurate frequency sources from the USA on both 3.5 and 7 MHz (G3SVW)

Other RSGB commitments include:

- The production of HF Propagation Predictions for RadCom (G4FKH)
- The propagation pages for the annual RSGB yearbook (G0KYA)
- The solar and ionospheric report for GB2RS (G0CAS and G3USF)

In terms of spectrum, what is happening about the beacons moving up the band at 50MHz? One of our members has some concerns about the frequency coordination for proposed 6m beacons. How is progress? And, as always, we are concerned about interference to the 10m beacon band from unlicensed use and buoys.

Steve Nichols G0KYA  
PSC Chairman