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SUBJECT	Region 1 Satellite Coordinator's Report		
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Current active OSCAR satellites

There are currently 7 satellites carrying voice transponders, 9 other satellites providing beacon and telemetry signals and a variety of different transmissions and activities from the ISS.

OSCAR amateur transponder satellite projects (under construction or at proposal stage)

This list shows a number of the active projects underway at this time

Phase 3E - AMSAT-DL
Kiwisat - AMSAT-ZL
SumbandilaSat - AMSAT-ZS
ESEO - AMSAT-UK (communications package only)
Eagle - AMSAT-NA
EuroDAST - AMSAT Italy with AMSAT-UK

Cubesats

Since my last report many cubesats have been launched. Generally they have used frequencies in the 435-438 MHz band which have been coordinated by the IARU sat coord team and no particular problems have occurred in this regard.

Frequency Coordination

The IARU satcoord team has continued to be very active and is working to ensure that any satellite project which is intending to use frequencies in the amateur satellite service is actually compliant with the requirements for such use.

It should be noted that no RS satellites launched from the Russian Federation have so far requested frequency coordination

Full details of all co-ordinated satellite projects can be found at <http://www.amsat.org.uk/iaru/>

Education Outreach

The RSGB GB4FUN vehicle has continued its mission and has been very helpful in demonstrating amateur satellites during its presentations to schools and similar educational establishments.

GB4FUN has also participated in a number of ARISS school contacts from the UK with the International Space Station and many other such contacts have been made with schools all over Region 1 in the period under review. A video of the most recent contact with Richard Garriott can be viewed here <http://www.batc.tv/channel.php?ch=1> and a BBC TV news report is available here: <http://news.bbc.co.uk/1/hi/england/7677274.stm>

The new GB4FUN trailer has now been completed and it is expected to be able to provide a greatly improved experience for school students.

The Columbus module has been successfully launched to the ISS and carries two dual band L/S patch antennas. A team from ARISS-EU is presently developing hardware proposals for their use, for both enhanced school contacts with the astronauts, and for amateur to amateur contacts. There is the possibility that additional VHF and UHF antennas may be installed on the outside of Columbus within the next 12 months. If they are available for our use these will further enhance the possibilities that are available.

Galileo

The Galileo GNS satellites will operate using >30MHz of the 23cms band and it is still unclear how this will affect our usage of the 1260-1270MHz allocation

Interference

Interference to uplinks in the 145.80-146.00MHz band both from amateur and non amateur stations continues to make the use of this part of the spectrum difficult/impossible for satellite use in many parts of the world.

Conclusion

There is plenty of activity in the world of satellites in the amateur satellite service and it is any area which we can use to introduce our passion to many potential recruits, both young and old.

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