

### GPS ACTIVE ANTENNA

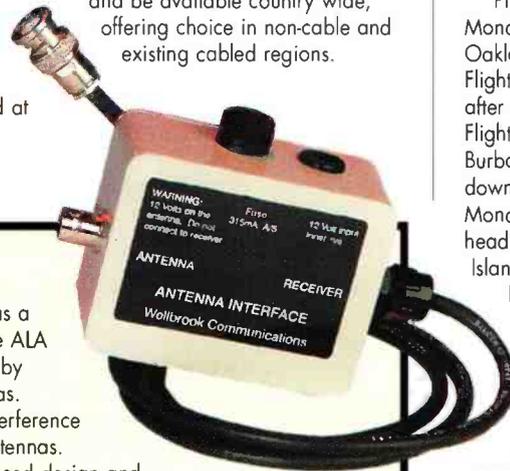
With the growing popularity in the use of hand-held GPS in cars, the provision of a suitable antenna at a reasonable cost has, up to now, been a bit of a problem. Lowe Electronics have come up with an alternative to the manufacturer's antenna that works well with the popular Garmin GP45 and other models. The antenna is supplied complete with 5m of coaxial cable, terminated in a BNC plug and has a magnetic base to enable you to place it securely in the centre of your car's roof. The price is £39.95.

**Lowe Electronics Ltd., Chesterfield Road, Matlock, Derbyshire DE4 5LE. Tel: (01629) 580800. E-mail: info@lowe.co.uk**



interference to mainland Spanish land mobiles and that the GBC ch.E12 has been re-assigned to ch.E6. The many ex-Brits. along the Marbella/Algeciras coastal region have lost GBC-TV. In effect GBC now transmits on ch.E6 from Signal Hill (1kW) and ch.E12 from North Mole (very low power).

A new 'wireless digital alternative to cable' system is being developed in the Netherlands, a set-top decoder and pencil sized indoor antenna will be used to receive off-air digital signals and bypass the conventional cable systems. Experimental transmissions will start early 1998 in Masterdam and backed by main broadcasters NOS, Multichoice, Nozema and Vestra. The European digital terrestrial standard will be used and be available country wide, offering choice in non-cable and existing cabled regions.



is at an advanced stage of development for Orange, their unit may become available to the first subscribers from May/June '97. Orange plan that the dual-band or 'Roaming' networks will be expanded into over 50 countries within the next 9-12 months subject to gaining 'roaming' approval with the appropriate authorities.

Mobile communications will also benefit with a new mobile band just above 2GHz known as UMTS - Universal Mobile

Telecommunications System! The new generation of mobile units should be available by 2002 and additional spectrum will be required as the UMTS band 'matures' by 2008.

Recent changes in the GBC Gibraltar TV transmitter network has produced many reception problems across the 'Rock'. Pressure from the Spanish Administration, directed at the ITU, has led to a reversal of channel frequencies. The claim was that ch.E12 was causing

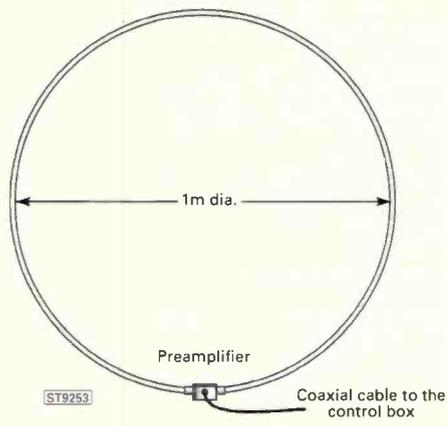
### WELLBROOK ACTIVE LOOP

The ALA 1530 is a new broadband untuned loop antenna. The loop has a frequency range of 150kHz to 30MHz. With a diameter of only 1m the ALA 1530 is claimed to be ideally suited to users with restricted real estate, by providing performance comparable to that of conventional wire antennas.

The loop antenna has been designed to primarily to reduce local interference and offers significant advantages over traditional active and passive antennas. Moreover Wellbrook state that, "the ALA 1530 loop antenna is a balanced design and only responds to the magnetic field. This ensures that the rejection of local noise is far superior to other types of antennas. Interference reduction is secured in four ways; rejection of the electric field, deep nulls of the 'figure of eight' pattern, an intergral feeder isolator to reduce mains borne noise and immunity to static build-up. The excellent intermodulation performance (IP2 typically +70dBm) ensures that reception is free from images".

The ALA 1530 is a strong rigid structure using a 1m diameter aluminium loop, with the electronics encapsulated in epoxy resin to form a weather proof construction. This loop antenna is ideally suited to mounting at ground level so there should be problem with planning regulations. Furthermore, an antenna rotator can be used to exploit the ALA 1530's excellent directional characteristics, to both improve reception and reduce interference. The antenna can also be used for direction finding and as an element for compact phased arrays. Comprehensive operating instructions and installation instructions guide the user to an easy and safe erection.

The ARA 1530 is supplied complete with an active interface and a 12V regulated p.s.u. The ALA 1530 costs £99.95 inclusive. The ALA 1530 Head Unit is also available seperately for £75.00 inc. Both are available



### WORLD FLIGHT 97

On March 17, 1937, Amelia Earhart took to the skies in her Lockheed Electra 10E. Although no one, male or female, had ever completed this journey, Earhart's goal was to be the first pilot ever to circumnavigate the globe at the equator.

Sixty years later, on March 17, 1997, pilot Linda Finch embarked on her adventure of a lifetime when she took off from Oakland, California, to re-create and complete Earhart's heroic expedition. Finch's journey, called World Flight 1997, is not out to set any records. Rather, it is a tribute to Earhart's vision and spirit, and the sharing of a message that is as timeless today as it was sixty years ago.

Pilot Linda Finch departed on Monday, 24 March from Oakland, California on World Flight 1997 sixty years to the day after Amelia Earhart's 1937 World Flight departure. First touchdown Burbank. World Flight touched down in Miami, mid-afternoon Monday, last stop in the US before heading on to the Caribbean Islands Monday, March 31.

For those with Internet capability, there are several Internet web pages for tracking the flight of Linda Finch as she retraces the path of Amelia Earhart in her around the world flight of 1937. Linda is flying a restored Lockheed Electra 10E - the same type of aircraft that Amelia Aerhart flew in 1937. There are several Internet web pages containing a wealth of resources and up to the minute information.

The main web page for the flight is:  
<http://www.worldflight.org/>  
To find the planes current position go to:  
<http://www.worldflight.org/youcansoar/index.html>

To receive up to date messages send an E-mail to:  
[majordomo@worldflight.org](mailto:majordomo@worldflight.org)  
and in the body of the message type: subscribe worldflight and in the subject line type: none

The flight path of World Flight 97 will follow a path landing at or passing over the following cities and airports:

Oakland, Burbank, Tuscon, New Orleans, Miami, San Juan,

direct from **Wellbrook Communications, Wellbrook House, Brookside Road, Bransgore, Christchurch, Dorset BH23 8NA. Tel: (01425) 674174.**