## Discovering the past

Welcome to a new column by Dyfed Archaeological Trust based in Llandeilo. Louise Austin, head of heritage management looks at one of the most puzzling aspects of archaeology ...

NE of the most frequent questions asked of archaeologists is 'how did vou know it was here?'

There is not always an easy answer to this question, partific methods of discovery.

only advances in computer beneath our feet. programmes make the results a lot easier to understand.

the two methods are fre- fields around the church.

for almost 1,500 years.

the 6th century Breton prin-rounded a village more than geophysical survey can give us are protected as a Scheduled www.dyfedarchaeology.org.uk



ticularly as archaeologists are cess who later became a nun using more and more scien- and founded a church at Llangan. The stone, however, Geophysical survey is one is now known to be a forgery. magnetic readings. High readsuch scientific method. View- But there was no need to cheat. ers of Time Team will know The results of recent surveys that archaeologists have used show the evidence of the 'geophys' for decades, but it is importance of the site still lies

Aerial photographs taken in the dry summer of 1984 show

The Llangan survey sl Archaeologists also make the presence of buried the ditches discovered by century within the remains of use of aerial photography, and archaeological remains in the aerial photography, but more the defences of an abandoned

A good example of these indicate the existence of these used to make iron tools, and a Whitland, Llangan has been with silt and soil. In dry church. the site of Christian worship summers the grass over the the 19th century of a stone comes brown and parched.

with the inscription 'Canv', a The ditches are the remains Canna lived. form of the name of St Canna, of defences that first sur- Aerial photography and are in private ownership and

2,000 years ago - an Iron Age settlement.

A few years ago Dyfed Archaeological Trust carried out a geophysical survey at Llangan. Geophysical survey detects below-ground magnetic changes.

As all soil is magnetic, the deeper the soil the higher the ings are therefore obtained from ditches and pits filled with soil. Heating the soil also a valuable insight into how increases the readings and and where people have lived on features such as furnaces and these ancient sites.

The Llangan survey shows detail is also visible. The dark prehistoric village. quently used to complement a complement can be complement as mooth pasture fields to hearths or furnaces, probably

medieval village in which neath the soil.

church was founded in the 6th

techniques working together remains. What you can see on round-cornered rectangle in wooden church rebuilt in for allowing us to undertake can be seen around the redu-ndant church at Llangan, near large ditches completely filled site of a building, perhaps a can provide this broad-brush Over the summer Dyfed antiquity was the discovery in the surrounding grass be- could be the remains of the still survives concealed be- volunteers to take part.

Over time the banks were Ancient Monument. Dyfed gradually worn down and the Archaeological Trust would ditches filled in and the like to thank the landowners

hurch. picture, the fine-grain detail of Archaeological Trust is doing In the field to the north of the many thousands of people geophysical surveys at a damp, deep soil in the ditches the church, a mass of ditches is who lived, worshipped and variety of sites where there Suggested evidence of this remains lush and green while not easy to interpret, but it have been buried at Llangan will be opportunities for

> To volunteer, contact The fields around Llangan info@dyfedarchaeology.org.uk or look on our web site

CLUES: Aerial photograph of Llangan Church. At Llangan we can see that a