

## British Interplanetary Society: Northern meeting

**Date:** Saturday 19<sup>th</sup> May 2011

**Venue:** Denham Room : Priory Street Centre, York , Y01 6ET

**Cost:** £5.00 – Full day event – Seating capacity limited to 50

**Book ticket online** – <http://bit.ly/xRRXyM>

### Programme

09:00 - Doors Open

09:50-10:00 Introduction

10:00 - 11:00 Deadly Lunar dust (Dr John Cain – UK Space Biomedicine Association)

11:00 - 12:00 Yuri Gagarin pilot & cosmonaut (Gurbir Singh – [www.astrotalkuk.org](http://www.astrotalkuk.org))

12:00 – 13:00 How Apollo flew to the Moon (David Woods - <http://www.hafttm.com>)

13:00 – 14:30 Lunch Break

14:30 - 15:30 Origins of the BIS in the Northwest (Kevin Kilburn - Manchester Astronomical Society)

15:30 - 16:00 Tea break & Raffle

16:00 - 17:00 German Rocket Development (Martin Dawson - York Astronomical Society)

17:00 - 17:30 - close

## British Interplanetary Society Northern Meeting

A BIS Northern meeting will consist of a day-long event to celebrate the history, development and achievement of human spaceflight. The venue is the historic city of York. Between them the five invited speakers will cover the breathtaking international progress and accomplishments in space technology during the 20<sup>th</sup> century.

Deadly Lunar dust (Dr John Cain – UK Space Biomedicine Association). The first extraterrestrial material transported by man from an alien world to Earth was the almost 400kg of lunar rocks and dust. It is mysterious, fascinating but dangerous too. What were the hazards to the Apollo astronauts who brought it here and what has been learned by the scientist in the 40 years of laboratory experiments?

Yuri Gagarin pilot & cosmonaut (Gurbir Singh – [www.astrotalkuk.org](http://www.astrotalkuk.org)). How was the Soviet Union able to become a superpower and launch the first human into space just 16 years after the end of a devastating world war? What was special about a young diminutive air force pilot from a humble background that he was selected to make this historic flight?

How Apollo flew to the Moon (David Woods - <http://www.hafttm.com>). The Apollo program that took two dozen men to the Moon between 1968 and 1972 succeeded because of ingenious technological solutions developed rapidly amidst the haste of the cold war. The author of the book, "How Apollo flew to the Moon" explains the details of one of mankind's most remarkable technological achievements.

Origins of the BIS in the Northwest (Kevin Kilburn - Manchester Astronomical Society). The BIS was founded in the northwest of England in 1933. The key players were Philip Cleator in Liverpool and from 1936 until the end of the war, Eric Burgess in Manchester. How did they realise their ambitious vision of establishing an Interplanetary Society a quarter century before a satellite was actually put into orbit?

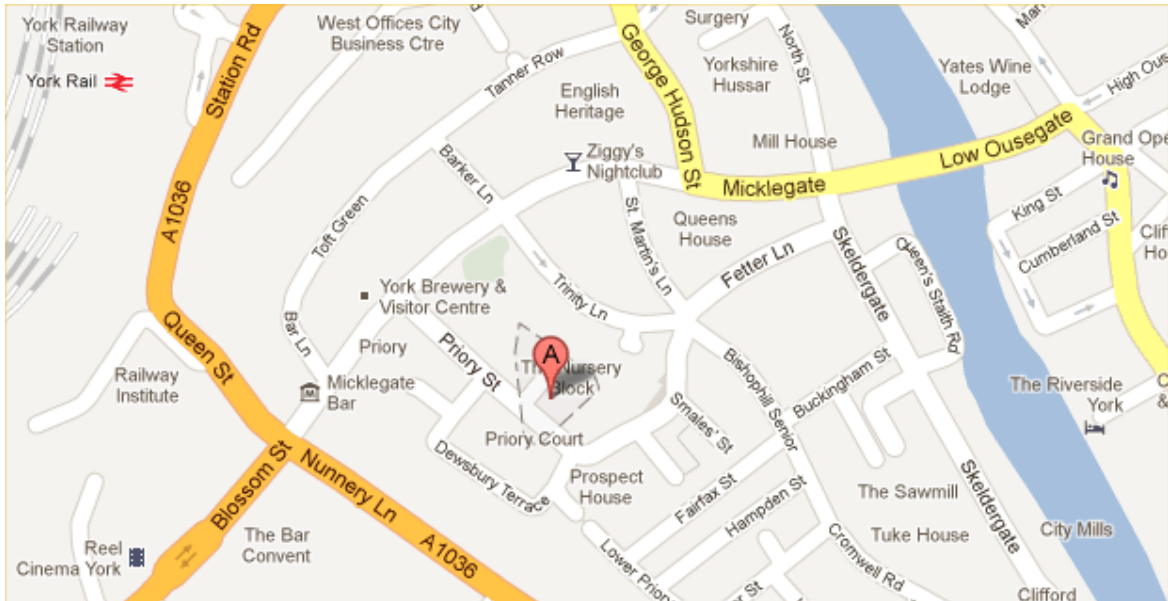
German Rocket Development (Martin Dawson - York Astronomical Society). 'Modern rocketry and spaceflight owe a lot to German rocket development of the 1920's, '30's and '40's. Although born as a military weapon, scientists and engineers have turned this sword into a plough share. German rocketry is a story that should not be forgotten, it has highs and it has lows, but is always fascinating.

# Venue

York Council for Voluntary Service

Priory Street Centre, 15 Priory St. York YO1 6ET

Tel. (01904) 621133 Fax (01904) 630361



Details below from <http://www.priorystreetcentre.org.uk/location.html>

### **Arriving by Train**

Fast and frequent rail services take as little as 1 hour 52 minutes from London Kings Cross and some 2.5 hours from Edinburgh. Manchester and Birmingham are also direct.

When you arrive by train - exit York Railway Station – turn right up Queen Street (the City Walls will be on your left). Turn left at the first set of traffic lights (the junction of Queen Street and Blossom Street) and go through Micklegate Bar (the gate through the City Walls). Turn right at the Priory pub onto Priory Street. Priory Street Centre is located on the left.

### **Buses**

Leaflets on bus services are available from National Express (Tel. 0990 808080). National buses drop off passengers in Rougier Street (off Micklegate). Arriving by bus - head in the opposite direction from the City Wall and turn right onto Micklegate. Go up the hill and Priory Street is on the left.

### **Arriving by car using Nunnery Lane car park**

Approach York from either direction and follow directions to the Askham Bar Park and Ride (see [public transport](#)). However, at Tesco supermarket roundabout continue straight along Tadcaster Road into York. Pass York Racecourse/Knavesmire (large open grass area) on your right. Continue straight through several sets of traffic lights. Pass Odeon Cinema on the left. Take the right hand lane at the next set of traffic lights facing Micklegate Bar (the gate through the City Walls) and turn right into Nunnery Lane. The entrance to the car park is on the left just after turning. Disabled persons parking bays and disabled people's toilets are located in the car park.

York CVS does not provide car parking at Priory Street Centre for those attending events. Although we do have a number of parking bays designated for blue badge holders these spaces are allocated on a first come first served basis.

### **Other Notes**

- Limited parking on site but car parks within 15 minutes walk away
- York train station 15 minutes walk away
- Hot drinks will be available from a local machine around 50p a cup
- Raffle draw scheduled for lunchtime tea break
- Several local lunch venues available nearby
- Twitter hashtag #BIS\_Space
- Any queries – [Gurbir@gurbir.co.uk](mailto:Gurbir@gurbir.co.uk)