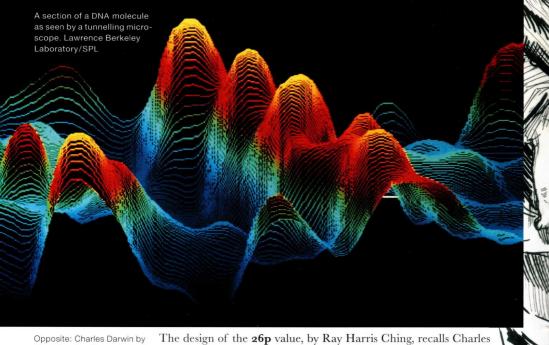
## The Scientists' Tale The eighth of 12 sets of Millennium stamps to be issued during 1999 is on the theme of scientists

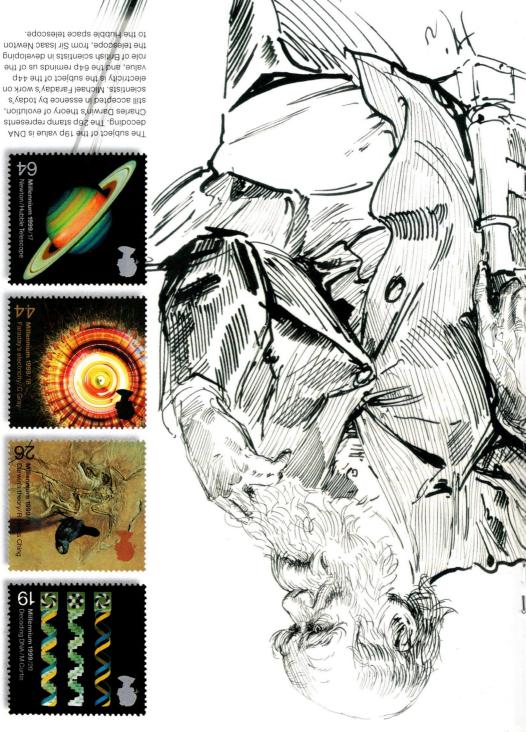
Scientists' Tale stamps will go on sale at post offices and philatelic outlets on 3 August The design of the **19p** stamp, by Mark Curtis, features DNA decoding. DNA (Deoxyribonucleic acid) is a nucleic acid containing dexyribose (sugar) consisting of complex molecules, present in chromosomes of all plant and animal cells and carrying coded instructions for passing on of hereditary characteristics. The molecular structure of DNA was first proposed by James Watson and Frances Crick in 1953; together with Maurice Wilkins they were awarded the Nobel Prize for Medicine in 1962.



Opposite: Charles Darwin by Harry Furniss. Illustrations of W G Grace by Furniss were featured on the 1973 County Cricket set. National Portrait Gallery, London



The design of the **26p** value, by Ray Harris Ching, recalls Charles Darwin's theory of evolution. Darwin began to study botany, zoology and geology at Cambridge and in 1831 signed on as a botanist aboard the survey ship HMS *Beagle* for a five-year voyage around South America and the South Pacific. By 1838 he had developed his theory of natural selection but this went unpublished for nearly 20 years. After a young naturalist, Alfred Wallace, sent him a paper on his theories, Darwin arranged a joint reading of Wallace's paper and his own notes to the Linnean Society. *On the Origin of Species* was published the following year. In essence his theories are still accepted by today's scientists.



## Cylinders and colours

19p Q1 (bright magenta) @ Q1 (greenish yellow) @ Q1 (new blue) Q1 (black - twice) Q1 (silver)

26p Q1 (greenish yellow) @ Q1 (bright magenta) @ Q1 (new blue) • Q1 (black) • Q1 (bronze) • Q1 (reddish violet)

44p Q1 (greenish yellow) @ Q1 (bright magenta) . Q1 (new blue) Q1 (black) Q1 (gold)

64p Q1 (bright magenta) @ Q1 (greenish yellow) @ Q1 (new blue) Q1 (black) Q1 (silver)

Note that the 19p and 64p were printed in litho (plates), the 26p and 44p in gravure (cylinders). A phosphor number Q1 follows the last colour

illustrated pack (price £1.90) will be available from philatelic outlets and main post offices.

Michael Faraday's work on electricity is the subject of the design, by Colin Gray, for the 44p value. Faraday began his scientific career as Sir Humphry Davy's laboratory assistant at the Royal Institution, where he made many discoveries including benzine and the pain-killing effect of inhaling ether. Above all he was fascinated by the properties of electricity, discovering and formulating the theory of electro-magnetric induction, and producing the laws of electrolysis. He invented the first electric generator to produce continuous electrical current.

The 64p stamp reminds us of the important work of British scientists in the development of the telescope; Sir Isaac Newton invented the reflecting telescope in 1668. The stamp shows Saturn as photographed by the Hubble space telescope – an international project involving British technology, launched in 1990. It has photographed over 10,000 images although only a small percentage have been made public. The telescope is named after the American astronomer Edwin Powell Hubble who in the 1920s discovered that there were other galaxies apart from our own and that the universe is expanding. The image on the stamp was supplied by the Space Telescope Science Institute. This 64p stamp will also be issued in miniature sheet format - see page 344.







**Gum** P∨A two bands others Phosphor One band 19p . q44 & q62 8.41 x 41 @ q48 Rerforation 13.5 x 14 19p & Sheets 100 mmd8 x 78 asi8 26p & 44p litho Process 19p & 64p gravure, Printer House of Questa Technical details

64p • Horizontal 26p & 44p

Central gutter Vertical 19p &

 $\mathcal{L}$ 1.89 overseas (no vat). must reach the Bureau by 3 August. Price £2.22 UK (including VAT) or first day postmark of the Bureau or Cambridge (location of DNA research) August, price 25p. Orders for FDCs with the stamps cancelled by a pictorial able from main post offices and philatelic outlets about a week before 3 FIRST DAY FACILITIES Unstamped Royal Mail FDC envelopes will be avail-

available from the Slough Handstamp Centre: request 'FD9918 NP'. the Cambridge postmark. A non-pictorial Cambridge postmark is also rol esoffto source can be posted or handed in at main post offices for postmark), marking the outer envelope 'FD9917' (Bureau), or 'FD9918' stamp Centre, Royal Mail, Wexham Road, Slough st. 1AA (Cambridge latelic Bureau, 20 Brandon Street, Edinburgh EH3 5TT, or Special Hand-Collectors may send stamped covers on the day of issue to: British Phi-

NP Bil (non-pictorial). Handstamp Centre quoting reference FD9918 Bil (pictorial) and FD9918 pictorial handstamps can be obtained by sending covers to the Cardiff Bilingual Welsh/English versions of the Cambridge pictorial and non-

elic postmark in use on 3 August. where). Covers may bear just the 19p Scientists' Tale stamp for any philat-- available on subscription from the Bureau (£10 UK/Europe; £21.75 else-Sponsored handstamps will be announced in the British Postmark Bulletin

Edinburgh EH3 5TT Bureau, 20 Brandon Street, Enquiries British Philatelic

case has been produced to display the Millennium packs and covers. Price: album and slipcase £19.99; sets of pages only £9.99. A presentation three presentation pack pages, is available from the British Philatelic Bureau. lennium Stamps Album, with pages for the 1999 issues, also three FDC and each) will be available from main post offices and philatelic outlets. A Mil-MILLENVIUM PHILATELIC PRODUCTS A pack  $(\xi_1.90)$  and stamp cards (25p

Tale. The 2000 series will begin on 18 January; details to be announced. ber Soldiers' Tale; 2 November Christians' Tale; and 7 December Artists' FUTURE 1999 MILLEMNIUM ISSUES: 7 September Farmers' Tale; 5 Octo-

