As an example of how not to regulate to beat. A feed additive which stimulates growth in cattle, DES has been enmeshed in bitter controversy for meat and beef liver. Consequently, after bending over backwards for years in an effort to find a way to keep DES on the market the Food and Drug Administration (FDA) in 1973 issued an order banning its use. But the ban was thrown out in court because the FDA had ineptly failed to follow the the market and is now found in beef liver at higher concentrations than when it was banned two years ago.

That sorry series of events prompted the Senate last week to pass an unprecedented bill banning the use of DES in cattle feed, at least until the FDA can prove that it is safe. If the House of Representatives follows suit legislated against a single chemical.

thing at which politicians are parti- when it first tried to ban DES. complex regulatory decisions.

pregnancy to prevent miscarriage (a charlatans". practice now discontinued). With such evidence at hand, there is good that "in ancient times people believed to the growth of irrationalism and

environmental chemicals, the case of growth stimulant for cattle, and it parcel of their magical world view ... diethylstilboestrol (DES) is a tough one originally seemed that if it was with- [and] they had no concept of the vast more than a decade. The problem is would contaminate the meat. Things been calculated, we can see how that DES is highly carcinogenic, and did not work out like that, however, infinitesimally small are the gravita-

Washington seen

by Colin Norman

however, extremely low, and here the other people". discussion gets into the controversial supporting a ban, led by Senator the potential risks of long term ex- present in meat at such lower levels Nobel Prizewinners. posure to extremely low levels of a that it poses no risk. In the end, the known carcinogen against the econo- ban was approved by a vote of 61 to arguable contents of the statement, it mic benefits of bringing cattle to 29, and everybody was left wishing is not surprising that it attracted so market more quickly. It is not some- that the FDA had been less inept much influential support. But why was

cularly adept, and the debate certainly • Acting with a degree of unanimity assault on astrology at this point in proved that the floor of the Senate is that is rare in the top echelons of the time? Kurtz said last week that he is not a particularly good place to reach scientific community, 186 eminent disturbed by the burgeoning interest in scientists have endorsed a statement astrology, particularly in the United Diethylstilboestrol is one of the few condemning astrology as pernicious, States (where, according to one estichemicals for which there is good anti-scientific nonsense based on magic mate, there are some 20,000 practising evidence that it causes cancer in man. and superstition. Published in the Sep- astrologers), and Bok noted in a sepa-Recently there have been a number of tember/October issue of The Humanist, rate article in The Humanist that some cases—220 have come to light so far— the journal of the American Humanist universities and junior colleges even of an extremely rare vaginal cancer in Association, the statement notes that offer courses in astrology. The stateyoung women in their late teens and astrology "pervades modern society" early 20s; a common factor among the and suggests that "the time has come tinued uncritical dissemination of astrowomen is that their mothers took DES to challenge directly, and forcefully, as a drug during the late stages of the pretentious claims of astrological by the media and by otherwise reput-

reason to keep DES out of foods. in the predictions and advice of astro- obscurantism".

But DES is an extraordinarily good logers because astrology was part and drawn from cattle feed a few days distances from the Earth to the planets before the beasts were slaughtered, it and stars", the statement notes that would all be excreted and no residues "now these distances can and have traces of it can sometimes be found in because in spite of FDA regulations tional and other effects produced by the distant planets and the far more distant stars". Consequently, "It is simply a mistake to imagine that the forces exerted by stars and planets at the moment of birth can in any way shape our futures. Neither is it true that the position of distant heavenly bodies can make certain days or correct procedure when it passed sen-requiring cattle to be taken off DES at periods more favourable to particular tence. The result is that DES is still on least a week before slaughter, residues kinds of action, or that the sign under continued to show up in beef and liver. which one was born determines one's The levels at which it is present are, compatibility or incompatibility with

The statement was drafted by Bart area of whether or not there is a J. Bok, Emeritus Professor of Astrothreshold dose of a carcinogen below nomy at the University of Arizona, which it presents no health hazard. The Lawrence Jerome, a science writer, Senate debate proceeded with those and Paul Kurtz, Professor of Philosophy at the State University of New -prospects there are uncertain-it will Edward M. Kennedy, citing a sheaf of York at Buffalo. It was sent to about be the first time that Congress has reports suggesting that known car- 300 scientists, chiefly astronomers and cinogens should be kept out of the astrophysicists, during the summer, and The case against DES is a com- environment completely, while oppon- about 60% of them responded posi-plicated one, which involves weighing ents of the ban argued that DES is tively. Among the signatories are 18

> Given the eminently sensible and unit deemed necessary to open a frontal ment itself also condemned "the conlogical charts, forecasts and horoscopes able newspapers, magazines and book Proceeding from the observation publishers [which] can only contribute

coastal shipping routes should receive more extensive use than at present. Perhaps alarming to the private motorist will be the call for consideration of severe restrictions on the use of private transport in one or two selected cities -Mr Palmer mentioned Bristol, his home constituency as a suitable example. Mr Palmer also mentioned the committee's suggestion that companies should establish car pools rather than provide individuals with cars.

As for the less immediate future, the government is urged to consider the use of alternative sources of energy such as nuclear fusion and hydrogen fuel. Significant to that proposal is the recommendation that the Energy Technology Support Unit (ETSU), at Harwell, primarily responsible for research into new energy projects under the leadership of the Department of Energy's Chief Scientist, Dr Walter Marshall, should be expanded and

strengthened by the task force. Mr Palmer also mentioned what he referred to as "way out" sources, and said that in particular the committee had been interested by the idea of tidal power. The Severn Estuary is in fact well suited to provide energy from that source and has already been the subject of several research schemes. Presumably, solar energy and wave power will also come under scrutiny if the committee's proposals are adopted.