

## MULTIDROPPED TELEPHONES

216

1982-11-12

Telephone conversations can be digitized, this conversion is already proceeding. This allows telephones to be multi-dropped; instead of switching apparatus, individual wires, individual conversations can be switched off on a general "bus" if they are in packets headed by the address of the telephone involved. One 20-<sup>20</sup> channel fibre (cable could carry) 1 million different conversations

## INFLATION / INTEREST RATES / EXCHANGE RATES ETC.

1982-8-30

There must be some structure from chemical thermodynamics which can be applied to give a real explanation of these matters, rather than the many linear and empirical equations presently used.

## THE PLACENTA

1982-9-22

Mammals have evolved higher "intelligence" than any other group, including the birds, which are similarly warm-blooded, and may be as massive. Are birds limited in evolution because they have no placentas? Can a mammal pass on information in some way through the placenta, quite separate to genetically-coded or environmentally-passed information? Does the foetal brain, for example, contain imprintable memory cells which can be set by, say, chemical signals from the mother?