of them,[4] we suggest, is irrelevant and another two, from signatories to this letter,[5 6] did in honesty mention this as a possibility without substantiating it with any evidence. In fact, in all our work with oral methionine in paracetamol poisoning we have never found any toxicity from it whatsoever.

In conclusion, we are happy to leave it to your readers to make up their own minds on the facts before them. After all, it is almost a question of "you pays your money and takes your choice." In these days of economic stringency, above all in the National Health Service, it might be worth mentioning that the course of oral methionine that we recommend in these circumstances will attract a charge of some 80p whereas the corresponding course of *N*-acetylcysteine as a "special intravenous preparation (Parvolex, Duncan Flockhart)" will cost more than £30.

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Monitoring of psychotropic drug prescribing in general practice

SIR,—In his article on monitoring psychotropic drugs Dr P J Dennis makes the strong plea that "If repeat prescribing is carried out in a practice, then a facility for reassessment of treatment should be incorporated" (3 November, p 1115). He suggested a system using a repeat prescribing card for each patient as one method of achieving this.

The Birmingham research unit of the Royal College of General Practitioners is developing a programme of practice activity analyses and one of these concerns psychotropic drug prescribing. In the preliminary trials of this recording instrument, which involved about 100 general practitioners, the percentage distribution of psychotropic drug usage was similar to that in Dr Dennis's study. Eighteen per cent of the total psychotropic drug prescriptions were new prescriptions given at face-to-face consultations, and 36% were issued during consultations concerned with continuing management.[1] The residual 46% were repeat prescriptions given without consultation with a doctor. However, these average rates hide an enormous range of variability between different recorders. We would suggest that the RCGP practice activity analysis form, available from the Birmingham research unit, is an economic and simple way of establishing for any general practitioner his personal pattern of prescribing of psychotropic drugs.

Finally, it may well be that reliance on self-referral by elderly patients is misplaced, but this was not established by Shaw and Opit's study.[2] We have questioned the value and relevance of this study elsewhere.[3 4]

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Perinatal epidemiology in Wonderland

SIR,—Professor Leiv S Bakketeig and Mr Howard J Hoffman (22 September, p 693) have analysed the data on the Norwegian linked file in what they claim to be a more meaningful way than the traditional cross-sectional method. They showed that if the rate of fetal death is plotted for each pregnancy rank, according to the total number of pregnancies the woman *eventually* has, the risk to each succeeding pregnancy falls. This method had actually been demonstrated and discussed earlier by James[1 2] and Billewicz.[3]

As Professor Nathan Mantel pointed out (3 November, p 1147), such a method is introducing enormous bias in that it is the woman herself who has the main choice in the number of pregnancies she has. The woman who has a fetal loss is far more likely to keep trying—until she has one or more successes. On the other hand, the woman who starts with one or two successes is then likely to stop reproducing.

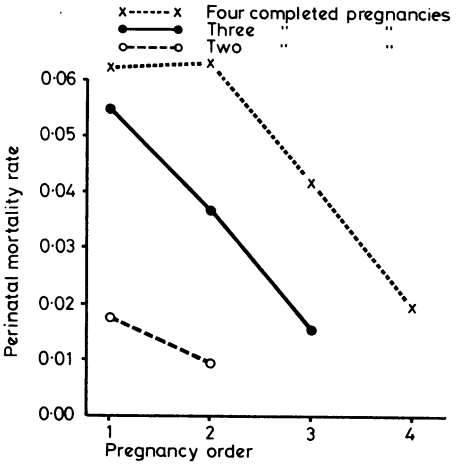
The disturbing feature of the Norwegian paper is that the data have been interpreted by others in this country as indicating that for any individual woman the risk of fetal death decreases with successive pregnancies. It is this thesis in particular that I wish to dispute.

Given a group of pregnant women, even the most intuitive clinician is unlikely to be able to determine how many pregnancies the woman will eventually have, and thence which line of the accompanying figure she will be following. What he will know is how many pregnancies she has already had, and what their outcome was. The data from the 1958 survey[4] show that even when the woman has had no previous stillbirths or neonatal deaths the risk of such an outcome to the current pregnancy rises from parity 1 to parity 4 or more (see accompanying table). In other words, given limited resources the clinician should still concentrate them in the traditional manner (that is, on women having their first pregnancy and on women of high parity).

Rate (per 1000) of stillbirth and neonatal death by parity and previous history, with number of deaths in parentheses (1958 British Perinatal Mortality Survey[4])

Parity	Previous history: 1 or more stillbirths or neonatal deaths	Previous history: No stillbirths or neonatal deaths	All
0	—	37·0 (2793)	37·0 (2793)
1	70·4 (168)	24·1 (1450)	25·9 (1619)
2	67·1 (228)	30·8 (875)	34·7 (1104)
3	77·5 (159)	33·4 (463)	39·1 (622)
4	85·5 (118)	40·4 (272)	48·1 (390)
5–6	91·1 (129)	43·6 (250)	52·9 (379)
7+	59·0 (126)	103·8 (81)	71·0 (207)

How then has this paradox been produced? Lewis Carroll would have enjoyed teasing out the answer. I would like to stress what I consider to be the salient factors. Basically women desire families with living children. Thus the total number of pregnancies to women who started their reproductive life with a perinatal loss will be greater than the total number of pregnancies to women with successful first pregnancies. A combination of the two groups produces the extraordinary picture shown in the figure.



Perinatal mortality rate according to total number of pregnancies (adapted from Bakketeig and Hoffman).

More detailed evidence that such a picture can be produced in the way I have suggested has been submitted for publication. Meanwhile, it would be a pity if clinicians and epidemiologists alike were to consider the analysis by Professor Bakketeig and Mr Hoffman as anything other than an amusing artefact.

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SIR,—For some years it has been recognised that attempts to relate risk of pregnancy loss or immaturity to maternal age, parity, or birth interval, based on cross-sectional studies, are of limited value in view of the powerful confounding artefact effects relating principally to the ability of women to exercise a measure of choice in the matter of whether and when to initiate a pregnancy. Mr N Mantel (3 November, p 1147) has exposed a flaw in the argument of Professor Leiv Bakketeig and Mr H J Hoffman (22 September, p 693), who have aimed to compensate for the artefacts by a longitudinal approach.

Clearly the problem of how to estimate the true underlying dependence of risk on birth order is not trivial. A sequential approach seems indicated. It is desirable to have data on entire reproductive histories, and a set of data from which an appropriate analysis may readily be recovered was published by Roman *et al*,[1] whose study is quoted in the present