were demonstrated in normal subjects. Sir Thomas Lewis showed in 1927 that intra-
cutaneous morphine elicited a triple re-
sponse similar to that induced by histamine. Histamine and related alkaloids have been demonstrated in isolated cat skin and muscle preparations. Elevated plasma levels of histamine have been measured in intact dogs following the administration of morphine and pethidine. A significant de-
crease in the lung capacity of intact dogs has been observed following the administra-
tion of morphine and pethidine—an effect most likely to be due to bronchoconstric-
tion. The use of opiate-induced bronchoconstriction may include central vagal stimulation, histamine release leading to enhanced bronchomotor tone and pul-
monary vascular congestion, and histamine-
induced reflex enhancement of vagal tone.

In view of this evidence and the avail-
ability of alternative sedatives, we feel that the use of opium alkaloids in asthma is unjustified and should be avoided.—We are, etc.,

S. LAKSHMINARAYAN
S. A. SAHN
L. D. HUDSON

Division of Pulmonary Diseases, University of Colorado Medical Center, Denver, Colorado


Treatment of Typhoid

Sir,—We read with interest the article on chloramphenicol combined with ampicillin in the treatment of typhoid by Professor F. De Risit and others (7 October, p. 177). We conducted a similar trial in Madras.1

The patients were studied in three treatment groups: group 1 was given chloramphenicol alone (30 mg/kg/day); group 2 ampicillin alone (125 mg/kg/day) and group 3 a combi-
nation of chloramphenicol (20 mg/kg/day) and ampicillin (80 mg/kg/day). The mean duration of pyrexia after starting the treat-
ment in the three groups was 5-6, 4-8, and 5-4 days respectively. Though the difference between the treatment groups was not sig-
nificant the average dose of chloramphenicol and ampicillin was smaller in group 3. If this patients had been given full doses of chloramphenicol and ampicillin, as in the study of Professor De Risit and his col-
leagues, the pyrexial period might have been shortened significantly. Furthermore, the need for steroid supplementation to control toxemia after antibacterial treatment only for the first 72 hours was less in those on combined therapy than in those on chloram-
phenicol alone or ampicillin alone. One patient in each of the first two groups re-
lapsed and none in the third group.

We also studied the use of furazolidone in enteric fever in a similar way.2 Patients in group 2 were given chloramphenicol (43-5 mg/kg/day); those in group 2 were given furazolidone alone (17 mg/kg/day); and those in group 3 chloramphenicol (39 mg/kg/day) and furazolidone (12-5 mg/kg/ day). The mean duration of pyrexia after starting treatment was 4-6, 5-9, and 3-5 days respectively, the difference being statistically

Contractions began at hours on

<table>
<thead>
<tr>
<th>DATE</th>
<th>12</th>
<th>24</th>
<th>03</th>
<th>04</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOW</td>
<td>15</td>
<td>30</td>
<td>45</td>
<td>00</td>
</tr>
</tbody>
</table>

LAbORATORY CHART

Name:

<table>
<thead>
<tr>
<th>DATE</th>
<th>12</th>
<th>24</th>
<th>03</th>
<th>04</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOW</td>
<td>15</td>
<td>30</td>
<td>45</td>
<td>00</td>
</tr>
</tbody>
</table>

K. V. THIRUVENGADAM
N. SUBRAMANIAN
A. V. S. SHARMA
SHARMILA KRISHNASWAMY
S. NALINI

Stanley Medical College,
Madras, India


Constraints on Consultants

Sir,—I disagree with the first sentence of your leading article (3 March, p. 501), in which you say that the consultant alone has the right to decide on the line of treatment for his patients.

In my opinion the patient has the right to accept or reject a particular line of treatment even when it has been explained to and understood by him. If he is not capable of accepting or rejecting treatment by virtue of his understanding or disposition such decision should be made by his next of kin. This is the procedure adopted in surgical and in medical wards but does not dispose entirely of the ethical and legal hazards.

The only exceptions to such procedure are urgent necessity of saving life or mitigation of disruptive social behaviour.—I am, etc.,

HAROLD PALMER

Harpden, Herts

Sir.—If the concept that schizophrenia is caused by the family environment is indeed correct, then surely the appropriate solution should be group family therapy. It is there-
fore astonishing that you should be able in your criticism (3 March, p. 501) of the Napsbury experiment to state that the pur-
pose of treatment was not even adequately explained to patients’ relatives. There seems to have been a clear dis- parity between theory and practice.—I am, etc.,

I. ATKIN

Weybridge, Surrey

Graphic Records in Labour

Sir,—I welcome your publication of the Addington Labour Observation Chart and would like to present another example (see

The main advantage is compactness, which has been achieved by including fetal heart, maternal pulse and blood pressure, and cervical dilation on the same graph. Clarity is retained by using red or black symbols and, rather surprisingly, the graphs do not often conflict. The time scale at the top is infinitely variable, permitting flexible spacing of observations, which is particularly useful during crises.

Considerations of space preclude the re-
production of the whole chart here, though I would be pleased to supply copies of this. The lower half includes space for recording the following: contractions (duration, interval, and strength); oxytocin (concentra-
tion and rate); drugs given (dosage); fluid intake (oral and intravenous); urine output (volume and abnormalities); and station of fetal head. The chart was designed to measure 8½ in x 11 in (21-6 cm x 28 cm) but, if applied to the new standard A4 paper, an extra ½ in (1-9 cm) becomes available.