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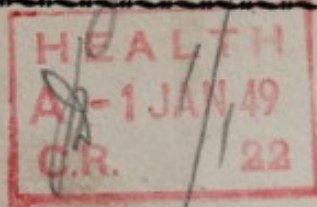
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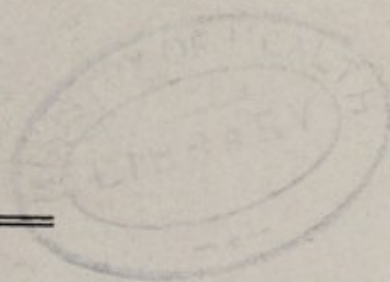
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# **BROMLEY & DISTRICT HOSPITAL**

(Incorporating the Bromley, Chislehurst and District  
Maternity Hospital)



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## **Maternity Clinical Report for 1947**

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# Maternity Clinical Report

OF THE

## Bromley and District Hospital

(Incorporating the Bromley, Chislehurst and District  
Maternity Hospital)

for 1947

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## SURVEY

1947 has been a year of steady progress for the Maternity Units of the Bromley and District Hospital. The post-war increase in the birth rate reached its peak during the year, and the number of deliveries, 1,278, was the highest we have yet attained. Throughout the year the complement has been frequently exceeded, because extra beds have had to be put up. The pressure of the Ministry of Health to provide for as many confinements as possible, and the needs of the people of Bromley and district have influenced us in crowding the beds as closely as is compatible with safety, and a tremendous amount of bacteriological work has been done to safeguard the patients in the overcrowded wards. It has been possible to treat a greater number by curtailing to twelve days the time spent in hospital by normal patients.

The work of adapting the Masons Hill Unit by putting in surgical sterilizers, washing and sanitary fittings, laying floors suitable for hospital wards, installing electric light, power and bells and erecting curtain rails to screen off the beds, has been going on all the time, while the long-awaited paint has at last given the fresh clean look which means so much to a hospital.

In March, our first House Surgeon, Dr. Bruce Eton, took up his appointment and he has proved a worthy example to all who may follow him in the post.

In the same month our hospital laboratory was able to take over both the bacteriological work previously carried out at the Ministry of Health emergency laboratory at Downe, and the hæmatology which the Pathologist at Farnborough County Hospital had been doing. Towards the end of the year work began on the new Ante-natal Department in the grounds of the Widmore Unit. At this time the Central Midwives Boards signified its recognition of the Hospital as a Part I Training School for pupil midwives. We were further encouraged when the post of Obstetric House Surgeon was approved by the Royal College of Obstetricians and Gynæcologists for candidates who are working for the diploma or for the Membership of the College.

A brief description of the two maternity units may interest those who have not visited them. The Widmore Unit of twenty-two beds is situated about half a mile from the other buildings, and it is here that all the ante-natal out-patient work is carried on. It is the former Bromley, Chislehurst and District Maternity Hospital. There are four single-bedded rooms, one two-bed ward, and the remaining beds are in wards of three, four and five beds.

The Masons Hill Unit of thirty-eight beds is also self-contained and its grounds are a stone's throw from the grounds of the main District Hospital. It has fourteen single rooms and the largest ward accommodates six patients.

Most of the patients book early in pregnancy for one or other unit, and the facilities provided for all include fairly comprehensive blood investigations, instruction in dietetics, exercise classes in the Physiotherapy Department, and the systematic obstetric supervision which can be evaluated in the pages of this report.

This is the second year for the clinical report to be presented in the standard form recommended by the Committee of the Section of Obstetrics of the Royal Society of Medicine for the Unification of Clinical Reports of Maternity Hospitals (1928). This is intended to facilitate the compilation of aggregate statistics which include all hospitals and to compare results, for the ultimate benefit of our patients.



The detailed tables were in the press before the publication of the recommendations of the Committee of the Royal College of Obstetricians and Gynæcologists (22nd May, 1948). Many of its modifications are, however, embodied in these pages ; and future reports will be compiled on the new standard model.

The primary importance of the preventive aspect of obstetrics is stressed in these reports by classifying the tables of abnormal conditions treated in the hospitals into " Booked " and " Non-booked." A " Booked " case is one that attended the ante-natal clinic on more than one occasion. " Non-booked " cases had not been to the Hospital for ante-natal supervision more than once, and were either admitted to Hospital seriously ill or at the last moment after receiving little or no ante-natal care. This report differs from similar ones in that it includes a third category of cases, " Private." These women were cared for during their pregnancies and confinements by their family doctors ; but some of the " Private " cases were similar to the Hospital " Non-booked " group in that they had neglected to place themselves in their doctors' hands until late in pregnancy.

Throughout the report, patients treated in the Widmore unit have a registered number prefixed by " W," while the Masons Hill cases are marked " M."

Once more the prevention of breech presentation has been highly successful, and it is pleasing to record that there have not been any stillbirths or infant deaths due to breech delivery in " Booked " cases, nor have there been any infant losses among patients on whom version has been performed.

Without the devoted work of the midwifery and nursing staff, supported by the efficient administrators, and encouraged by the sympathetic Maternity Committee, the high quality of so great a volume of work could not have been maintained throughout a most difficult year. The midwifery sisters have made a large contribution to this report by their assistance with the case notes ; and the compilation of the report has only been made possible by the hard work of Dr. Eton, the Superintending Sisters, Miss Hurrell and Miss Stickney, the Secretary, Miss Dean, and Miss D. J. Hatfull.

A. G.

## ABBREVIATIONS

|          |   |                                      |
|----------|---|--------------------------------------|
| Alb.     | = | Albumen.                             |
| A.N.     | = | Ante-natal.                          |
| A.N.C.   | = | Ante-natal Clinic.                   |
| A.P.H.   | = | Ante-partum hæmorrhage (Accidental). |
| A.R.M.   | = | Artificial rupture of membranes.     |
| B.A.     | = | Before admission.                    |
| B.B.A.   | = | Born before admission.               |
| B.P.     | = | Blood pressure.                      |
| C.S.     | = | Caesarean Section.                   |
| D.       | = | Died.                                |
| D.C.     | = | Diagonal conjugate.                  |
| E.B.M.   | = | Expressed breast milk.               |
| E.C.     | = | External conjugate.                  |
| Epis.    | = | Episiotomy.                          |
| E.U.A.   | = | Examination under anaesthesia.       |
| F.       | = | Female.                              |
| F.       | = | Fresh.                               |
| G.C.P.   | = | Generally contracted pelvis.         |
| Grav.    | = | Gravida.                             |
| Hr. min. | = | Hours, minutes.                      |
| In.      | = | Inches.                              |
| I.V.     | = | Intravenous.                         |
| L.       | = | Living on discharge from Hospital.   |
| M.       | = | Macerated (Stillborn).               |
| M.       | = | Male.                                |
| Mat.     | = | Maturity.                            |
| M.C.     | = | Mother. Child.                       |
| M.D.     | = | Maternal death.                      |
| N.Y.     | = | New York Heart Assoc., 1939.         |
| P.M.     | = | Post-mortem examination.             |
| P.N.F.   | = | Promontory not felt.                 |
| P.F.     | = | Promontory felt.                     |
| P.P.H.   | = | Post-partum hæmorrhage               |
| Preg.    | = | Pregnancy.                           |
| Rh.      | = | Rhesus.                              |
| S.B.     | = | Stillborn (fresh).                   |
| W.R.     | = | Wasserman reaction.                  |



## ANTE-NATAL SUPERVISION

### Ante-natal Retroversion

Retroversion of the gravid uterus was corrected at the first ante-natal visit in 55 Booked cases. Of these, retroversion was found to recur at the post-natal visit in twenty-two cases. After correction a bakelite pessary was inserted and was worn until the uterus was too large to fall back into the pelvis.

### Ante-natal Treatment of Breech Presentation

Breech presentation was particularly looked for at the thirty-second week of pregnancy, and external version was performed as soon as possible unless there was some contra-indication. With the technique adopted this procedure was largely successful, and out of 176 cases it was only necessary to administer an anæsthetic in nine.

The prevention of foetal mortality due to breech labour has been entirely successful, because of 1,005 Booked deliveries uncomplicated breech labour occurred in only two cases. Moreover, there were not any stillbirths or infant deaths in these cases or in cases in which external version was performed or attempted.

|  | Cases |
|--|-------|
| Breech presentation diagnosed including 36 recurrences     | 176   |
| Spontaneous version  | 11    |
| External version successful without anæsthesia             | 116   |
| External version not successful without anæsthesia         | 13    |
| Version under anæsthesia successful                        | 6     |
| Version under anæsthesia not successful                    | 3     |
| Cæsarean Section for breech presentation                   | 1     |
| Cæsarean Section for breech presentation and disproportion | 4     |
| Uncomplicated breech deliveries                            | 2     |
| Premature breech labour before version was attempted       | 2     |

Thus, in 140 women of the 1,006 Booked for delivery during 1947, the breech was presenting at the thirty-second week, excluding those classified as "Complicated Breech" (see Breech Delivery). This is an incidence of 140 per thousand. The incidence of breech labour (and Cæsarean Section for breech) was seven cases in 1,006 deliveries, *i.e.*, 7 per 1,000.

## X-RAY EXAMINATIONS

106 cases were referred to the X-Ray Department.

Reasons for reference were :—

|   | Cases |
|---|-------|
| Maternal conditions (cardiac, pulmonary, renal, etc.) | 18    |
| Foetal parts  | 1     |
| Breech  | 16    |
| Presentation, attitude, etc.                          | 47    |
| Twins   | 19    |
| Foetal death  | 3     |
| Anencephaly   | 2     |
| Hydrocephaly  | 0     |



### IN-PATIENT TREATMENT

- A. Patients "Booked" in the Ante-Natal Department—
- |  |     |     |       |
|--|-----|-----|-------|
| 1. Delivered in hospital after twenty-eighth week  | ... | ... | 1,000 |
| 2. Delivered in hospital before twenty-eighth week | ... | ... | 1     |
| 3. Admitted immediately after delivery             | ... | ... | 5     |
- B. "Non-booked" patients sent into hospital with some complications by outside doctors or midwives. Included in this category are all patients who had not attended the Ante-Natal Department more than once—
- |  |     |     |   |
|--|-----|-----|---|
| 1. Delivered in hospital after twenty-eighth week  | ... | ... | 9 |
| 2. Delivered in hospital before twenty-eighth week | ... | ... | 0 |
| 3. Admitted immediately after delivery             | ... | ... | 0 |
- C. "Private" patients—
- |  |     |     |     |
|--|-----|-----|-----|
| 1. Delivered in hospital after twenty-eighth week  | ... | ... | 263 |
| 2. Delivered in hospital before twenty-eighth week | ... | ... | 0   |
| 3. Admitted immediately after delivery             | ... | ... | 1   |

### STATISTICAL SUMMARY

|                                     | Booked | Non-booked | Private | Total |
|-------------------------------------|--------|------------|---------|-------|
| Patients delivered                  | 1005   | 9          | 264     | 1278  |
| Maternal deaths                     | 1      | 0          | 0       | 1     |
| Mortality per thousand              | 1      | 0          | 0       | 0.8   |
| Children born                       | 995    | 6          | 261     | 1262  |
| Stillbirths                         | 27     | 3          | 5       | 35    |
| Stillbirths per 1,000 viable births | 27     | 333        | 19      | 28    |
| Infant deaths                       | 15     | 1          | 1       | 17    |
| Infant deaths per 1,000             | 15     | 167        | 4       | 13    |

A NUMERICAL SUMMARY OF CASES admitted for treatment, delivered in hospital or admitted after delivery. Some cases appear in more than one category in the summary.

|   | Booked | Non-booked | Private | Total |
|---|--------|------------|---------|-------|
| 1. Conditions chiefly ante-natal—           |        |            |         |       |
| Hypertension only                           | 18     | 0          | 1       | 19    |
| Albuminuria                                 | 40     | 0          | 4       | 44    |
| Eclampsia                                   | 3      | 0          | 1       | 4     |
| Persistent vomiting of pregnancy            | 9      | 0          | 0       | 9     |
| Acute pyelitis                              | 8      | 0          | 0       | 8     |
| Other urinary infection                     | 1      | 0          | 0       | 1     |
| Malnutrition, debility, simple anæmia, etc. | 7      | 0          | 1       | 8     |
| 2. Intercurrent diseases—                   |        |            |         |       |
| Chronic rheumatic carditis                  | 2      | 0          | 0       | 2     |
| 3. Conditions chiefly natal—                |        |            |         |       |
| Anterior position of the vertex             | 849    | 6          | 226     | 1081  |
| Posterior position of the vertex            | 133    | 1          | 24      | 158   |
| Breech                                      | 20     | 0          | 4       | 24    |
| Shoulder (not delivered as such)            | 1      | 0          | 0       | 1     |

|   | Booked | Non-booked | Private | Total |
|---|--------|------------|---------|-------|
| Face and brow ... ..  | 3      | 0          | 1       | 4     |
| Cæsarean section ... ..   | 19     | 2          | 11      | 32    |
| Trial labour ... ..   | 35     | 0          | 4       | 39    |
| Twins and triplets ... ..                                       | 17     | 0          | 2       | 19    |
| Accidental hæmorrhage ...                                       | 2      | 1          | 0       | 3     |
| Placenta prævia ... ..  | 10     | 0          | 4       | 14    |
| Other ante-partum hæmorrhage                                    | 13     | 1          | 1       | 15    |
| Hydramnios ... ..   | 21     | 0          | 0       | 21    |
| Prolapse of cord ... ..   | 5      | 0          | 1       | 6     |
| Primary uterine inertia ...                                     | 20     | 1          | 8       | 29    |
| Retained placenta ... ..  | 11     | 0          | 2       | 13    |
| Post-partum hæmorrhage ...                                      | 54     | 0          | 19      | 73    |
| B.B.A. ... ..   | 5      | 0          | 1       | 6     |
| Lacerated perineum and episiotomy                               | 454    | 4          | 139     | 597   |
| Obstructed labour ... ..  | 0      | 0          | 0       | 0     |
| Premature labour... ..  | 33     | 2          | 5       | 40    |
| Abortion ... ..   | 16     | 8          | 6       | 30    |
| Ectopic gestation ... ..  | 0      | 4          | 0       | 4     |
| 4. Notified puerperal pyrexia or fever                          | 21     | 0          | 6       | 27    |
| Mastitis, not suppurative ...                                   | 10     | 0          | 0       | 10    |
| Mastitis, suppurative (aspirated)                               | 1      | 0          | 0       | 1     |
| Delayed involution of the uterus                                | 63     | 0          | 0       | 63    |
| Post-partum urinary infection ...                               | 5      | 0          | 0       | 5     |
| Post-partum superficial phlebitis                               | 20     | 0          | 0       | 20    |
| Post-partum deep venous throm-<br>bosis (arrested by treatment) | 4      | 0          | 1       | 5     |



## MISCELLANEOUS CASES TREATED IN HOSPITAL BEFORE LABOUR

26 Cases

Cases of ante-partum hæmorrhage, toxæmia, hydramnios, cardiac disease and abortion are not included in this table.

| Case No. | Reg. No. | Age | Grav-ida | Matur-ity | Disease                            | No. of days in Hosp. |                                 |          | Remarks   |
|----------|----------|-----|----------|-----------|------------------------------------|----------------------|---------------------------------|----------|---|
|          |          |     |          |           |                                    | Result M.            | C. before delivery or discharge |          |   |
| BOOKED   |          |     |          |           |                                    |                      |                                 |          |   |
| 1        | W 50     | 23  | 1        | 12        | Vomiting of pregnancy              | ...                  | ...                             | L. L. 12 |   |
| 2        | W130     | 30  | 2        | 11        | Vomiting of pregnancy              | ...                  | ...                             | L. L. 9  |   |
| 3        | W167     | 39  | 4        | 28        | Generalised oedema                 | ...                  | ...                             | L. M. 6  | Erythroblastosis. Readmitted 34 weeks.                      |
| 4        | W176     | 35  | 3        | 35        | Severe pyelitis and hydronephrosis | ...                  | L. L. 43                        |          | Severe pyrexia for several weeks before and after delivery. |
| 5        | W196     | 23  | 1        | 25        | Pyelitis                           | ...                  | L. L. 20                        |          |   |
| 6        | W271     | 23  | 2        | 33        | Anæmia and vomiting                | ...                  | L. L. 7                         |          |   |
| 7        | W302     | 29  | 1        | 32        | Vomiting and pyelitis              | ...                  | L. L. 56                        |          |   |
| 8        | W328A    | 20  | 1        | 35        | Hyperemesis gravidarum             | ...                  | L. L. 9                         |          | Glucose-saline-insulin transfusion                          |
| 9        | W523     | 32  | 3        | 37        | Anæmia                             | ...                  | L. L. 7                         |          |   |
| 10       | M 32     | 25  | 1        | 28        | Pyelocystitis                      | ...                  | L. L. 4                         |          |   |
| 11       | M139     | 31  | 3        | 9         | Hyperemesis                        | ...                  | L. L. 16                        |          |   |
| 12       | M259     | 29  | 4        | 38        | General debility                   | ...                  | L. L. 19                        |          | Anæmia and bronchitis.                                      |
| 13       | M329     | 32  | 1        | 40        | Pulmonary T.B.                     | ...                  | L. L. 8                         |          | Phrenic crush performed.                                    |
| 14       | M334     | 32  | 2        | 32        | Hyperemesis                        | ...                  | L. L. 11                        |          |   |
| 15       | M369     | 25  | 1        | 38        | Vomiting of pregnancy              | ...                  | L. L. 3                         |          |   |
| 16       | M397     | 17  | 1        | 33        | Oedema                             | ...                  | L. L. 3                         |          |   |
| 17       | M422     | 24  | 1        | 32        | Pyelitis                           | ...                  | L. L. 20                        |          | Toxæmia supervened.   |
| 18       | M450     | 38  | 2        | 33        | Hyperemesis                        | ...                  | L. L. 8                         |          |   |
| 19       | M569     | 23  | 1        | 36        | Pyelitis                           | ...                  | L. L. 8                         |          | Recurrence.   |
| 20       | M594     | 29  | 3        | 30        | Pyelitis                           | ...                  | L. L. 17                        |          |   |
| 21       | M611     | 30  | 1        | 40        | Vomiting of pregnancy              | ...                  | L. L. 3                         |          | Child born at 42 weeks.                                     |
| 22       | M635     | 31  | 3        | 33        | Albuminuria                        | ...                  | L. L. 11                        |          | Blood pressure normal.                                      |
| 23       | M759     | 20  | 3        | 35        | General debility                   | ...                  | L. L. 18                        |          | Puerperal pyrexia.  |
| 24       | M766     | 31  | 1        | 36        | General debility and oedema        | ...                  | L. L. L. 21                     |          | Twins.  |
| 25       | M772     | 22  | 1        | 30        | Pyelitis                           | ...                  | L. L. 9                         |          |   |
| PRIVATE  |          |     |          |           |                                    |                      |                                 |          |   |
| 26       | M649     | 31  | 2        | 33        | Mental depression                  | ...                  | L. L. 13+18                     |          |   |

## CARDIAC DISEASE

2 Cases

| Case No. | Reg. No. | Age | Grav-ida | Matur-ity | Lesion          | Degree of failure of Compensation (N.Y.) | Days in Hospital before Delivery | Method of Delivery | Result M. C. | Remarks                    |
|----------|----------|-----|----------|-----------|-----------------|--|----------------------------------|--------------------|--------------|----------------------------|
| BOOKED   |          |     |          |           |                 |  |                                  |                    |              |                            |
| 1        | M467     | 26  | 1        | 38        | Mitral stenosis | Class 1                                  | 2                                | A.R.M.             | L. L.        | Admitted for toxæmia.      |
| 2        | M672     | 34  | 1        | 36        | Mitral stenosis | Class 1                                  | 2                                | Forceps            | L. L.        | Gas and oxygen anæsthesia. |

There were not any maternal or infant deaths.

## HYDRAMNIOS

21 Cases

The diagnosis of hydramnios was made on clinical examination and not by measuring the amount of liquor. The cases therefore only include those with a notable excess of liquor.

| Case No. | Reg. No. | Age | Grav-ida | Matur-ity | Associated Abnormality              |     |     |                    | Special Treatment |     |    | Result M. C. |   | Remarks |  |
|----------|----------|-----|----------|-----------|-------------------------------------|-----|-----|--------------------|-------------------|-----|----|--------------|---|---------|--|
| BOOKED   |          |     |          |           |                                     |     |     |                    |                   |     |    |              |   |         |  |
| 1        | W 1      | 31  | 1        | 40        | ...                                 | ... | ... | —                  | ...               | ... | L. | SB.          | Membranes ruptured 54 days before delivery. |         |  |
| 2        | W167     | 39  | 4        | 34        | Rh. antibodies                      | ... | ... | —                  | ...               | ... | L. | M.           | Erythroblastosis. Maternal girth 40 in.     |         |  |
| 3        | W307     | 26  | 1        | 39        | Twins                               | ... | ... | —                  | ...               | ... | L. | L. SB.       |   |         |  |
| 4        | W349     | 41  | 1        | 42        | None                                | ... | ... | —                  | ...               | ... | L. | L.           |   |         |  |
| 5        | W382     | 26  | 2        | 41        | None                                | ... | ... | —                  | ...               | ... | L. | L.           | Girth 39½ in. 33 weeks.                     |         |  |
| 6        | W452     | 38  | 3        | 40        | Large child                         | ... | ... | —                  | ...               | ... | L. | L.           | Girth 38 in. 35 weeks.                      |         |  |
| 7        | W502     | 19  | 1        | 33        | Anencephaly                         | ... | ... | Surgical induction |                   |     | L. | SB.          |   |         |  |
| 8        | M 26     | 32  | 2        | 40        | —                                   | ... | ... | —                  | ...               | ... | L. | L.           |   |         |  |
| 9        | M 61     | 36  | 2        | 40        | Breech                              | ... | ... | —                  | ...               | ... | L. | L.           |   |         |  |
| 10       | M 83     | 39  | 4        | 40        | Large child                         | ... | ... | —                  | ...               | ... | L. | L.           |   |         |  |
| 11       | M 99     | 35  | 1        | 42        | Breech                              | ... | ... | —                  | ...               | ... | L. | L.           |   |         |  |
| 12       | M148     | 31  | 2        | 38        | Lateral placenta prævia             | ... | ... | —                  | ...               | ... | L. | L.           |   |         |  |
| 13       | M203     | 26  | 1        | 26        | Twins abortion                      | ... | ... | —                  | ...               | ... | L. | —            | Macerated foetuses.                         |         |  |
| 14       | M242     | 37  | 2        | 43        | Disproportion                       | ... | ... | Cæsarean Section   |                   |     | L. | L.           |   |         |  |
| 15       | M326     | 29  | 2        | 40        | None                                | ... | ... | —                  | ...               | ... | L. | L.           |   |         |  |
| 16       | M327     | 30  | 1        | 40        | Talipes                             | ... | ... | —                  | ...               | ... | L. | L.           | Girth 38 in. 32 weeks.                      |         |  |
| 17       | M353     | 33  | 2        | 40        | None                                | ... | ... | —                  | ...               | ... | L. | L.           | Girth 40 in. 32 weeks.                      |         |  |
| 18       | M466     | 36  | 2        | 42        | Breech                              | ... | ... | —                  | ...               | ... | L. | L.           |   |         |  |
| 19       | M480     | 21  | 1        | 40        | None                                | ... | ... | —                  | ...               | ... | L. | L.           |   |         |  |
| 20       | M650     | 35  | 1        | 42        | Early rupture membranes at 38 weeks |     |     |                    | —                 | ... | L. | L.           |   |         |  |
| 21       | M652     | 41  | 4        | 40        | Brow presentation ...               |     |     |                    | —                 | ... | L. | L.           |   |         |  |

No mother died. There were 4 stillbirths and one abortion of macerated twins a foetal mortality of 26%.



## ALBUMINURIA AND HYPERTENSION

Every patient attending the Ante-Natal Clinic has the urine tested and the blood pressure recorded at each visit. All cases of albuminuria are admitted to hospital. The routine treatment adopted in hospital was rest, and a mixed diet containing as much fresh natural food as possible, excluding red meat. Copious fluids and alkalis were given, and aperients if necessary. If the symptoms and signs did not disappear in about seven days, or if they became worse, labour was induced.

|  | Booked | Non-booked | Private | Total |
|--|--------|------------|---------|-------|
| Number of cases ... ..   | 40     | —          | 4       | 44    |
| Number of stillbirths and infant deaths (including one set of twins) ... ..          | 3      | —          | —       | 3     |
| Fœtal and infant mortality ... ..  | 7.5%   | —          | —       | 6.8%  |
| Number of maternal deaths ... ..   | —      | —          | —       | —     |
| Number of cases—   |        |            |         |       |
| Responded to treatment and delivered spontaneously near term (after 38 weeks) ... .. | 12     | —          | —       | 12    |
| Spontaneous premature labour or abortion ... ..                                      | 3      | —          | —       | 3     |
| Not responding to treatment and labour induced... ..                                 | 25     | —          | 4       | 29    |
| Not responding to treatment, hysterotomy or hysterectomy performed ... ..            | —      | —          | —       | —     |
| Not responding to treatment, abortion per vaginam induced ... ..                     | —      | —          | —       | —     |
| Not responding to treatment, Caesarean Section performed ... ..                      | —      | —          | —       | —     |

### HYPERTENSION WITHOUT ALBUMINURIA

|   |      |   |   |      |
|---|------|---|---|------|
| Number of cases ... ..  | 18   | — | 1 | 19   |
| Number of stillbirths and infant deaths ... ..                            | 1    | — | — | 1    |
| Fœtal and infant mortality ... ..   | 5.6% | — | — | 5.3% |
| Number of maternal deaths ... ..  | —    | — | — | —    |
| Number of cases—  |      |   |   |      |
| Responded to treatment and delivered spontaneously near term ... ..       | 7    | — | — | 7    |
| Spontaneous premature labour or abortion ... ..                           | 2    | — | — | 2    |
| Not responding to treatment and labour induced... ..                      | 8    | — | 1 | 9    |
| Not responding to treatment, hysterotomy or hysterectomy performed ... .. | —    | — | — | —    |
| Not responding to treatment, abortion per vaginam induced ... ..          | —    | — | — | —    |
| Not responding to treatment, Caesarean Section performed ... ..           | 1    | — | — | 1    |

# ALBUMINURIA

44 Cases

| Case No. | Reg. No. | Age | Grav. id. | Maturity at onset | History of renal disease | Oedema           | Headache | Eye Symptoms | Highest B.P. | No. of days   |               | Alb. on admission (Esbach) or discharge | Termination of pregnancy      |              | Maturity Results M. C. | Alb. on Post-natal Exam. 6 weeks after delivery |               | Remarks |   |
|----------|----------|-----|-----------|-------------------|--------------------------|------------------|----------|--------------|--------------|---------------|---------------|---|-------------------------------|--------------|------------------------|---|---------------|---------|---|
|          |          |     |           |                   |                          |                  |          |              |              | Alb. in hosp. | Method before |   | admission labour, (Esbach) or | of pregnancy |                        | from hosp.                                      | B.P.          |         | Alb. in hosp.                           |
| BOOKED   |          |     |           |                   |                          |                  |          |              |              |               |               |   |                               |              |                        |   |               |         |   |
| 1        | W 3      | 23  | 1         | 38                | No                       | ...              | ...      | No           | 156/100      | Cloud         | 4             | Spontaneous                             | 40                            | L.           | L.                     | None  | 140/80        | None    |   |
| 2        | W 6      | 22  | 1         | 32                | No                       | ...              | ...      | No           | 148/110      | Cloud         | 5+3           | A.R.M.                                  | ...                           | L.           | L.                     | None  | No attendance |         |   |
| 3        | W 46     | 29  | 1         | 39                | Scarlet fever            | General          | ...      | No           | 160/108      | Cloud         | 2             | A.R.M.                                  | ...                           | L.           | L.                     | None  | 110/68        | None    |   |
| 4        | W 78     | 32  | 3         | 31                | No                       | ...              | ...      | No           | 156/92       | Cloud         | 1             | Spontaneous                             | 31                            | L.           | M.                     | None  | 104/58        | None    |   |
| 5        | W 83     | 25  | 1         | 40                | Scarlet fever            | Hands and ankles | ...      | No           | 156/108      | Cloud         | 3             | A.R.M.                                  | ...                           | L.           | L.                     | None  | 140/108       | None    |   |
| 6        | W 99     | 24  | 1         | 39                | No                       | ...              | ...      | No           | 140/98       | Trace         | Few hours     | A.R.M.                                  | ...                           | L.           | L.                     | None  | 126/74        | None    | A.P.H., E.U.A. Willett's for cephs.     |
| 7        | W107     | 25  | 1         | 38                | Acute nephritis          | No               | ...      | No           | 140/76       | Trace         | 2             | Spontaneous                             | 38                            | L.           | L.                     | None  | 116/64        | None    |   |
| 8        | W113     | 38  | 2         | 38                | No                       | Feet             | ...      | Yes          | 160/116      | Trace         | 5             | A.R.M.                                  | ...                           | L.           | L.                     | None  | 126/68        | None    |   |
| 9        | W123     | 32  | 1         | 32                | No                       | ...              | ...      | No           | 140/88       | Trace         | 5             | Spontaneous                             | 40                            | L.           | L.                     | None  | 130/68        | None    |   |
| 10       | W141     | 39  | 3         | 40                | No                       | ...              | ...      | No           | 150/90       | Trace         | 2             | A.R.M.                                  | ...                           | L.           | L.                     | None  | 128/80        | None    |   |
| 11       | W196     | 23  | 1         | 36                | No                       | ...              | ...      | Yes          | 185/110      | Cloud         | 10            | Spontaneous                             | 41                            | L.           | L.                     | None  | No attendance |         |   |
| 12       | W197     | 23  | 1         | 40                | No                       | ...              | ...      | No           | 180/100      | 0.25          | 5             | A.R.M.                                  | ...                           | L.           | L.                     | None  | 124/76        | None    | Twins.                                  |
| 13       | W276     | 29  | 2         | 34                | Alb. of preg.            | Vulva            | ...      | No           | 150/100      | Trace         | 14+4          | A.R.M.                                  | ...                           | L.           | L.                     | None  | 130/68        | Trace   |   |
| 14       | W296     | 21  | 2         | 37                | No                       | ...              | ...      | Yes          | 170/100      | 1.0           | 14            | A.R.M.                                  | ...                           | L.           | L.                     | None  | No attendance |         |   |
| 15       | W306     | 27  | 1         | 33                | No                       | ...              | ...      | No           | 170/110      | 0.25          | 30            | A.R.M.                                  | ...                           | L.           | L.                     | None  | 130/72        | None    | Twins.                                  |
| 16       | W374     | 38  | 1         | 39                | No                       | ...              | ...      | No           | 140/88       | 0.6           | 7             | Spontaneous                             | 40                            | L.           | L.                     | None  | 136/70        | None    |   |
| 17       | W400     | 18  | 1         | 28                | No                       | ...              | ...      | No           | 126/94       | Trace         | 27            | Spontaneous                             | 40                            | L.           | L.                     | None  | 132/68        | None    |   |
| 18       | W410     | 27  | 1         | 39                | No                       | ...              | ...      | No           | 140/90       | Cloud         | 4             | Spontaneous                             | 41                            | L.           | L.                     | None  | 116/56        | None    |   |
| 19       | W429     | 21  | 2         | 36                | No                       | ...              | ...      | No           | 124/70       | Trace         | 10            | Spontaneous                             | 38                            | L.           | L.                     | None  | 128/64        | None    | Twins.                                  |
| 20       | W454     | 43  | 1         | 36                | No                       | ...              | ...      | No           | 200/110      | ++            | 1             | Spontaneous                             | 36                            | L.           | D.                     | None  | 160/110       | None    | Twins. Four weeks later B.P. 138/88.    |
| 21       | W472     | 32  | 1         | 36                | No                       | ...              | ...      | No           | 142/100      | 1.0           | 7             | A.R.M.                                  | ...                           | L.           | L.                     | None  | 112/78        | None    |   |
| 22       | W497     | 26  | 1         | 40                | No                       | ...              | ...      | Yes          | 152/114      | Trace         | 7             | A.R.M.                                  | ...                           | L.           | SB.                    | None  | 126/76        | None    | Oligo hydramnios. Intra-uterine death.  |
| 23       | M 80     | 33  | 2         | 39                | Toxaemia of preg.        | No               | ...      | No           | 160/118      | Trace         | 7             | A.R.M.                                  | ...                           | L.           | L.                     | None  | 124/68        | None    |   |
| 24       | M251     | 32  | 3         | 26                | No                       | ...              | ...      | No           | 136/90       | Trace         | 23            | A.R.M.                                  | ...                           | L.           | L.                     | None  | 132/78        | None    | Twins.                                  |
| 25       | M281     | 37  | 2         | 38                | Alb. of preg.            | General          | ...      | Yes          | 170/126      | 0.1           | 4             | Spontaneous                             | 38                            | L.           | L.                     | None  | 140/96        | None    |   |
| 26       | M309     | 26  | 2         | 38                | No                       | ...              | ...      | No           | 190/140      | Cloud         | 1             | A.R.M.                                  | ...                           | L.           | L.                     | None  | No attendance |         |   |
| 27       | M358     | 25  | 1         | 40                | No                       | ...              | ...      | Yes          | 194/132      | Trace         | 2             | A.R.M.                                  | ...                           | L.           | L.                     | None  | No attendance |         |   |
| 28       | M387     | 43  | 4         | 38                | No                       | ...              | ...      | No           | 220/134      | 0.75          | 1             | A.R.M.                                  | ...                           | L.           | L.                     | None  | 162/96        | None    | Hypertension from 32 wks. onwards.      |
| 29       | M413     | 23  | 1         | 39                | No                       | ...              | ...      | No           | 180/110      | 4.0           | 3             | A.R.M.                                  | ...                           | L.           | L.                     | None  | 120/70        | None    |   |
| 30       | M422     | 24  | 1         | 32                | Pyelitis of preg.        | Feet             | ...      | No           | 150/90       | Cloud         | 20            | A.R.M.                                  | ...                           | L.           | L.                     | None  | 130/70        | None    | Placenta praevia.                       |
| 31       | M460     | 25  | 1         | 32                | No                       | ...              | ...      | No           | 168/118      | Trace         | 13            | Cesarean                                | 34                            | L.           | L.                     | None  | 116/60        | None    | Three weeks in hospital after delivery. |
| 32       | M467     | 26  | 1         | 38                | No                       | ...              | ...      | Yes          | 175/110      | Cloud         | 2             | A.R.M.                                  | ...                           | L.           | L.                     | None  | 116/56        | None    |   |
| 33       | M525     | 21  | 1         | 38                | Scarlet Fever            | Feet and hands   | ...      | Yes          | 184/132      | Cloud         | 2             | A.R.M.                                  | ...                           | L.           | L.                     | Trace   | 144/80        | None    |   |



## ALBUMINURIA—continued

| Case No. | Reg. No. | Age | Grav. idia | Maturity at onset | History of renal disease | Oedema         | Headache       | Eye Symptoms | Highest B.P. | No. of days          |                          | Alb. on admission (Esbach) or discharge | Method of Termination of pregnancy | Results |    | Alb. on discharge from hosp. | Post-natal Exam. 6 weeks after delivery | Remarks     |  |
|----------|----------|-----|------------|-------------------|--------------------------|----------------|----------------|--------------|--------------|----------------------|--------------------------|---|------------------------------------|---------|----|------------------------------|---|-------------|--|
|          |          |     |            |                   |                          |                |                |              |              | Alb. in hosp. before | Termination of pregnancy |   |                                    | M. C.   | C. |                              |   |             |  |
| 34       | M546     | 21  | 1          | 35                | No                       | ...            | No             | No           | 135/96       | Trace                | 26                       | Spontaneous                             | 42                                 | L.      | L. | None                         | 116/60...                               | None        | Admitted with haematuria.                  |
| 35       | M581     | 36  | 1          | 37                | No                       | ...            | General        | Yes          | 186/120      | 0.2                  | 1                        | Cæsarean Section                        | 37                                 | L.      | L. | None                         | 144/88                                  | None        | Cord presentation discovered during A.R.M. |
| 36       | M584     | 31  | 1          | 36                | No                       | ...            | No             | No           | 156/108      | Trace                | 12                       | Spontaneous                             | 37                                 | L.      | L. | None                         | 140/72                                  | None        |  |
| 37       | M595     | 30  | 1          | 39                | No                       | ...            | No             | No           | 158/120      | Trace                | 7                        | Spontaneous                             | 40                                 | L.      | L. | None                         | No attendance                           |             |  |
| 38       | M612     | 35  | 1          | 37                | Essential hypertension   | General        | No             | No           | 212/132      | Trace                | 1                        | A.R.M.                                  | ...                                | L.      | L. | None                         | 136/116                                 | None        | Cæsarean section for inertia.              |
| 39       | M635     | 31  | 3          | 32                | —                        | Face and vulva | Yes            | Yes          | 160/120      | Cloud                | 2                        | A.R.M.                                  | ...                                | L.      | L. | None                         | 124/70                                  | Heavy Cloud | No hypertension until term                 |
| 40       | M795     | 17  | 1          | 40                | No                       | ...            | General        | No           | 164/100      | Cloud                | 1                        | Spontaneous                             | 40                                 | L.      | L. | None                         | No attendance                           |             |  |
| PRIVATE  |          |     |            |                   |                          |                |                |              |              |                      |                          |   |                                    |         |    |                              |   |             |  |
| 41       | M494     | 31  | 4          | ?                 | No                       | ...            | No             | No           | 184/118      | Heavy cloud          | 1                        | A.R.M.                                  | ...                                | L.      | L. | None                         | No attendance                           |             |  |
| 42       | M532     | 22  | 1          | ?                 | No                       | ...            | Hands and feet | No           | 190/120      | Trace                | 17                       | A.R.M.                                  | ...                                | L.      | L. | None                         | No attendance                           |             |  |
| 43       | M740     | 32  | 2          | ?                 | No                       | ...            | No             | No           | 188/120      | Trace                | 1                        | A.R.M.                                  | ...                                | L.      | L. | None                         | No attendance                           |             |  |
| 44       | M784     | 26  | 1          | 38                | No                       | ...            | No             | No           | 148/96       | Trace                | 6                        | Cæsarean Section                        | 39                                 | L.      | L. | None                         | No attendance                           |             | Persistent breech.                         |

# HYPERTENSION WITHOUT ALBUMINURIA

19 Cases

| Case No. | Reg. No. | Age | Gravida | Maternity at onset | History of Previous Renal Disease | Oedema         | Head-aches | Eye Symptoms | Weeks                | Duration of Hypertension | Highest B.P. before labour or discharge | No. of days      | Method of Termination of Pregnancy | Maturity Result M. C. | Post-Natal Exam. 6 weeks after Delivery B.P. Albumen | Remarks               |
|----------|----------|-----|---------|--------------------|-----------------------------------|----------------|------------|--------------|----------------------|--------------------------|---|------------------|------------------------------------|-----------------------|--|-----------------------|
| BOOKED   |          |     |         |                    |                                   |                |            |              |                      |                          |   |                  |                                    |                       |  |                       |
| 1        | W 36     | 36  | 1       | 32                 | None                              | ...            | No         | No           | 8                    | ...                      | 186/100                                 | 5                | Spontaneous                        | 38                    | 128/70   | None                  |
| 2        | W 157    | 34  | 1       | 40                 | None                              | ...            | No         | No           | 1                    | ...                      | 138/92                                  | 3                | Spontaneous                        | 42                    | 138/96   | None                  |
| 3        | W 169    | 24  | 1       | 37                 | None                              | ...            | No         | No           | 1                    | ...                      | 160/114                                 | 1                | Spontaneous                        | 37                    | 130/88   | None                  |
| 4        | W 188    | 34  | 1       | 38                 | Scarlet fever                     | Extremities    | No         | No           | 1                    | ...                      | 170/114                                 | 21               | A.R.M.                             | 40                    | 140/88   | None                  |
| 5        | W 209    | 28  | 2       | 35                 | Pre-eclampsia                     | None           | No         | No           | 1                    | ...                      | 160/110                                 | 17               | A.R.M.                             | 40                    | 148/84   | None                  |
| 6        | W 234    | 24  | 1       | 27                 | None                              | None           | No         | No           | 13                   | ...                      | 168/102                                 | 4                | A.R.M.                             | 40                    | 150/84   | None                  |
| 7        | W 255    | 37  | 3       | 10                 | None                              | None           | No         | No           | 30                   | ...                      | 160/100                                 | 25               | Ol. Ric.                           | 41                    | 128/70   | None                  |
| 8        | W 370    | 39  | 2       | 32                 | None                              | None           | No         | No           | 8                    | ...                      | 168/110                                 | 5                | Spontaneous                        | 40                    | 124/72   | None                  |
| 9        | W 495    | 37  | 2       | 38                 | Nephritis                         | Feet           | No         | No           | 1                    | ...                      | 150/90                                  | 3                | A.R.M.                             | 41                    | No attendance  | Previous forceps.     |
| 10       | M 1      | 35  | 1       | 38                 | None                              | None           | No         | No           | 2                    | ...                      | 152/106                                 | 4                | Spontaneous                        | 40                    | No attendance  |                       |
| 11       | M 31     | 33  | 1       | 37                 | None                              | None           | Yes        | Yes          | 3                    | ...                      | 148/104                                 | 10               | Ol. Ric.                           | 40                    | 130/78   | None                  |
| 12       | M 74     | 21  | 1       | 38                 | None                              | Ankles         | No         | No           | 6                    | ...                      | 172/110                                 | 4+7              | A.R.M.                             | 39                    | 128/68   | None                  |
| 13       | M 75     | 30  | 2       | 24                 | Toxaemia of preg.                 | None           | No         | No           | 16                   | ...                      | 164/110                                 | 8                | A.R.M.                             | 39                    | 122/64   | Diagnosed at booking. |
| 14       | M 254    | 27  | 1       | 37                 | None                              | General        | Yes        | No           | 3                    | ...                      | 170/110                                 | 24               | Spontaneous                        | 40                    | 130/88   | None                  |
| 15       | M 387    | 43  | 4       | 32                 | None                              | Hands and feet | No         | No           | Persistent           | ...                      | 220/134                                 | 19               | A.R.M.                             | 38                    | 162/96   | None                  |
| 16       | M 612    | 35  | 1       | 16                 | None                              | General        | Yes        | No           | Throughout pregnancy | 190/130                  | 12                                      | Cesarean Section | 37                                 | 136/76                | None   | Diagnosed at booking. |
| 17       | M 662    | 27  | 1       | 36                 | None                              | General        | No         | No           | 1                    | ...                      | 160/110                                 | 11               | Ol. Ric.                           | 37                    | 130/70   | None                  |
| 18       | M 696    | 32  | 1       | 38                 | None                              | None           | Yes        | Yes          | 2                    | ...                      | 170/120                                 | 11               | A.R.M.                             | 40                    | 134/70   | None                  |
| PRIVATE  |          |     |         |                    |                                   |                |            |              |                      |                          |   |                  |                                    |                       |  |                       |
| 19       | M 528    | 30  | 2       | 36                 | Pyelitis                          | None           | No         | No           | ?                    | ...                      | 200/130                                 | 3                | Pitocin                            | 36                    | No attendance  | Twins.                |



## ECLAMPSIA

4 Cases

There were three cases of Eclampsia amongst Booked patients and one case in Private patients. The routine treatment employed was the administration of sedatives in large doses (morphia and chloral, and chloroform if necessary to control the fits), the exclusion of external stimuli and free elimination with aperients and fluids.

| Case No. | Reg. No. | Age | Gravida | Maturity | On Admission |             | Pulse   | Temp. | No. of Fits   |               | Oedema | Highest B.P. | Head-ache | Eye Signs | No. of days In Hosp. before delivery | Induced Method of Delivery | Result M. C.    | On Discharge Albumen B.P. |                     |
|----------|----------|-----|---------|----------|--------------|-------------|---------|-------|---------------|---------------|--------|--------------|-----------|-----------|--------------------------------------|----------------------------|-----------------|---------------------------|---------------------|
|          |          |     |         |          | Alb.         | B.P.        |         |       | During Labour | Before Labour |        |              |           |           |                                      |                            |                 |                           |                     |
| BOOKED   |          |     |         |          |              |             |         |       |               |               |        |              |           |           |                                      |                            |                 |                           |                     |
| 1        | W403     | 18  | 1       | 41       | Closed       | Absent      | 126/64  | 80    | 98            | —             | 2      | —            | Absent    | 190/90    | No                                   | No                         | 1               | No Forceps                | L. Absent 135/70    |
| 2        | W454     | 43  | 1       | 36       | Closed       | 1.0         | 140/98  | 84    | 97.6          | —             | 1      | —            | General   | 200/110   | No                                   | No                         | 3               | No Forceps                | L. D. Absent 144/88 |
| 3        | M713     | 28  | 1       | 34       | Closed       | .8          | 184/120 | 72    | 97.2          | —             | 3      | Legs         | 184/120   | No        | No                                   | 2                          | Yes Spontaneous | L. D. Absent 140/90       |                     |
| PRIVATE  |          |     |         |          |              |             |         |       |               |               |        |              |           |           |                                      |                            |                 |                           |                     |
| 4        | M494     | 31  | 4       | 36       | Closed       | Heavy Cloud | 184/118 | —     | —             | —             | 2      | No           | 184/118   | No        | No                                   | 1                          | Yes Spontaneous | L. L. Absent 128/84       |                     |

No mother died. Three infants died, a foetal mortality of 60%.

## ACCIDENTAL ANTE-PARTUM HÆMORRHAGE

3 Cases

No mother died. One foetus was macerated, a foetal mortality of 33%.

| Case No.   | Reg. No. | Age | Gravida | Maturity | Amount of Hemorrhage Revealed | Amount of Hemorrhage Concealed | Condition on Admission | If in Labour | Albumen | Highest B.P. | Treatment             | Result M. C. | Remarks            |
|------------|----------|-----|---------|----------|-------------------------------|--------------------------------|------------------------|--------------|---------|--------------|-----------------------|--------------|--------------------|
| BOOKED     |          |     |         |          |                               |                                |                        |              |         |              |                       |              |                    |
| 1          | M465     | 31  | 1       | 39       | Fair                          | Small                          | Fair                   | Yes          | Cloud   | 124/84       | Morphia               | ...          | White asphyxia.    |
| 2          | M727     | 20  | 1       | 36       | Small                         | None                           | Good                   | No           | No      | 150/110      | Sedatives             | ...          | Continued to term. |
| NON-BOOKED |          |     |         |          |                               |                                |                        |              |         |              |                       |              |                    |
| 3          | M217     | 27  | 1       | 34       | Fair                          | Fair                           | Shocked                | No           | Trace   | 210/140      | Morphia, later A.R.M. | ...          | L. M.              |

## PLACENTA PRÆVIA

14 Cases

No mother died. One fetus was stillborn, and one infant died, an infant mortality of 13%.

| Case No. | Reg. No. | Age Gravida | Maturity | Condition on Admission | If in Labour | Variety | Treatment      | Blood Transfusion | Result M. C. | Amount of Bleeding | Remarks |
|----------|----------|-------------|----------|------------------------|--------------|---------|----------------|-------------------|--------------|--------------------|---------|
| BOOKED   |          |             |          |                        |              |         |                |                   |              |                    |         |
| 1        | W 32     | 38          | 3        | 32                     | Good         | ...     | Central ... 3  | ...               | No           | ...                | ...     |
| 2        | W 99     | 24          | 1        | 39                     | Fairly good  | ...     | Lateral ... 1  | ...               | No           | ...                | ...     |
| 3        | W 139    | 31          | 3        | 40                     | Good         | ...     | Marginal ... 2 | ...               | No           | ...                | ...     |
| 4        | W 263    | 36          | 3        | 28                     | Good         | ...     | Central ... 4  | ...               | No           | ...                | ...     |
| 5        | M 146    | 32          | 1        | 39                     | Good         | ...     | Lateral ... 1  | ...               | No           | ...                | ...     |
| 6        | M 148    | 31          | 2        | 34                     | Fairly good  | ...     | Lateral ... 1  | ...               | No           | ...                | ...     |
| 7        | M 174    | 26          | 1        | 40                     | Good         | ...     | Lateral ... 1  | ...               | Yes          | ...                | ...     |
| 8        | M 261    | 41          | 3        | 33                     | Good         | ...     | Central ... 3  | ...               | No           | ...                | ...     |
| 9        | M 460    | 25          | 1        | 32                     | Good         | ...     | Central ... 4  | ...               | No           | ...                | ...     |
| 10       | M 766    | 31          | 1        | 39                     | Good         | ...     | Lateral ... 1  | ...               | No           | ...                | ...     |
| PRIVATE  |          |             |          |                        |              |         |                |                   |              |                    |         |
| 11       | W 297    | 36          | 1        | 30                     | Fair         | ...     | Lateral ... 1  | ...               | Yes          | ...                | ...     |
| 12       | M 618    | 35          | 1        | 44                     | Fair only    | ...     | Lateral ... 1  | ...               | Yes          | ...                | ...     |
| 13       | M 660    | 34          | 3        | 36                     | Good         | ...     | Marginal ... 2 | ...               | Yes          | ...                | ...     |
| 14       | M 779    | 42          | 3        | 36                     | Good         | ...     | Central ... 3  | ...               | No           | ...                | ...     |



# ANTE-PARTUM HÆMORRHAGE

Without other signs of placenta prævia or toxæmia.

15 Cases

| Case No.   | Reg. No. | Age | Gravida | Maturity | Amount Lost | Condition on Admission | B.P. on Admission | No mother died. No infant died. |           | Treatment            | Days in Hosp. before Delivery |                       | Result M. C. | Remarks  |
|------------|----------|-----|---------|----------|-------------|------------------------|-------------------|---------------------------------|-----------|----------------------|-------------------------------|-----------------------|--------------|--|
|            |          |     |         |          |             |                        |                   | Albumen                         | Admission |                      | ...                           | ...                   |              |  |
| 1          | W 33     | 35  | 3       | 33       | ?           | Good                   | 124/74            | None                            | ...       | Sedatives            | ...                           | 4                     | L.           | Examination in theatre excluded placenta prævia.   |
| 2          | W241     | 34  | 2       | 31       | Slight      | Good                   | 130/84            | None                            | ...       | Rest and observation | ...                           | 37                    | L.           | E.U.A. 36 weeks. Placenta prævia excluded.   |
| 3          | W273     | 22  | 1       | 35       | Slight      | Good                   | 114/70            | None                            | ...       | Rest                 | ...                           | 8                     | L.           | E.U.A. 36 weeks. Placenta prævia excluded.   |
| 4          | W489     | 26  | 2       | 33       | Slight      | Good                   | 130/86            | None                            | ...       | Rest and observation | ...                           | 23                    | L.           | E.U.A. 36 weeks. Placenta prævia excluded.   |
| 5          | M 58     | 30  | 2       | 33       | Moderate    | Good                   | —                 | None                            | ...       | Rest and observation | ...                           | 15                    | L.           | E.U.A. 35 weeks. Placenta prævia excluded.   |
| 6          | M 79     | 28  | 2       | 33       | Slight      | Good                   | 142/84            | None                            | ...       | Rest and observation | ...                           | 21                    | L.           | E.U.A. 36 weeks. Placenta prævia excluded.   |
| 7          | M266     | 28  | 1       | 33       | Slight      | Good                   | 134/70            | None                            | ...       | Rest and observation | ...                           | 27                    | L.           | E.U.A. 36 weeks. Placenta prævia excluded.   |
| 8          | M389     | 21  | 1       | 32       | Slight      | Good                   | 124/76            | None                            | ...       | Rest and observation | ...                           | 9                     | L.           | Cervix very vascular. Vaginal exam. 33 weeks. Placenta prævia excluded. Cervical eversion. |
| 9          | M426     | 33  | 1       | 35       | Fair        | Good                   | 114/72            | None                            | ...       | Rest and observation | ...                           | 4                     | L.           | A.P.H. followed failed version. Cesarean   |
| 10         | M437     | 34  | 1       | 34       | Slight      | Good                   | 120/80            | None                            | ...       | Rest and observation | ...                           | 11                    | L.           | Section at term. Examination in theatre, placenta prævia excluded. Uterine fibroids.       |
| 11         | M567     | 27  | 4       | 42       | 15 oz.      | Good                   | 110/70            | None                            | ...       | No treatment         | ...                           | Admitted L. in labour | L.           | Placenta prævia excluded. A.P.H. with all previous pregnancies.                            |
| 12         | M685     | 20  | 2       | 32       | Not known   | Good                   | 150/110           | None                            | ...       | Rest and observation | ...                           | 15                    | L.           | No blood loss whilst in hospital.  |
| 13         | M736     | 26  | 1       | 32       | 1 oz.       | Good                   | 136/80            | None                            | ...       | Rest and observation | ...                           | 30                    | L.           | E.U.A. 36 weeks. Placenta prævia excluded.   |
| NON-BOOKED |          |     |         |          |             |                        |                   |                                 |           |                      |                               |                       |              |  |
| 14         | W373     | 30  | 1       | 33       | Fair        | Good                   | 124/80            | None                            | ...       | Rest and observation | ...                           | 42                    | L.           | L.   |
| PRIVATE    |          |     |         |          |             |                        |                   |                                 |           |                      |                               |                       |              |  |
| 15         | M786     | 26  | 1       | 36       | Slight      | Good                   | 120/80            | None                            | ...       | Rest and observation | ...                           | 15                    | L.           | Breech. Onset of labour spontaneous.   |

# TABLE LABOUR FOR SUSPECTED DISPROPORTION

39 Cases

This table does not include patients with contracted pelvis in whom the head was engaged before onset of labour. 35 Booked and 4 Private cases were treated during the year. Caesarean Section was performed in 6 cases. Forceps delivery was carried out in 4 cases. The remaining 29 cases were delivered spontaneously. In 2 cases labour was induced medically and Caesarean Section was carried out subsequently on both. No mother died. One fetus was stillborn and one infant died, a mortality of 5%.

| Case No. | Reg. No. | Age | Grav. | Maturity | Onset of Labour   | Method of Delivery | Int. Spm. | Int. Crst. | E.C. | D.C.   | Outlet Knuckles | Presentation Position | Duration of Labour<br>1st st. hr. min. 2nd st. hr. min. | Weight lb. oz. | Length in. | Circum. in. | Head Result M. C. | Remarks  |
|----------|----------|-----|-------|----------|-------------------|--------------------|-----------|------------|------|--------|-----------------|-----------------------|---|----------------|------------|-------------|-------------------|--|
| 1        | W 71     | 33  | 2     | 39       | Spontaneous       | Spontaneous        | 9½        | 11½        | 8½   | —      | —               | L.O.A.                | 14 15 0 30  | 7 15           | 21         | 14          | L.                | SB. Previous forceps 34 weeks' preg. (4 lb.) Manual removal of placenta. Previous C.S. |
| 2        | W 72     | 25  | 1     | 40       | Spontaneous       | Spontaneous        | 9½        | 10½        | 7½   | 4½     | —               | L.O.A.                | 47 0 1 3  | 7 15           | 21         | 14          | L.                | Previous forceps 34 weeks' preg. (4 lb.) Manual removal of placenta. Previous C.S.     |
| 3        | W 92     | 36  | 2     | 40       | Spontaneous       | Lower Seg. C.S.    | 10½       | 11½        | 7½   | 4½     | —               | R.O.A.                | 4 40 —  | 9 0            | 22         | 14          | L.                | Previous C.S.  |
| 4        | W 150    | 26  | 1     | 42       | Spontaneous       | Spontaneous        | 10        | 10½        | 7½   | 4½     | —               | L.O.A.                | 10 50 0 35  | 8 13           | 21         | 14          | L.                | Previous C.S.  |
| 5        | W 154    | 26  | 1     | 41       | Spontaneous       | Spontaneous        | 10        | 10½        | 7½   | 4½     | —               | L.O.A.                | 76 0 0 45   | 5 13           | 19½        | 13½         | L.                | Previous C.S.  |
| 6        | W 208    | 28  | 2     | 40       | Spontaneous       | Spontaneous        | 8½        | 10         | 7½   | —      | —               | L.O.A.                | 6 30 0 20   | 7 4            | 21½        | 13½         | L.                | Previous C.S.  |
| 7        | W 233    | 40  | 1     | 40       | Spontaneous       | Spontaneous        | 10½       | 11½        | 7½   | 5      | 3               | R.O.L., L.O.A.        | 15 0 2 0  | 6 6            | 20½        | 13½         | L.                | Asphyxia pallida. Early rupture of membranes. A.N. breech; version.                    |
| 8        | W 244    | 21  | 1     | 41       | Spontaneous       | Lower Seg. C.S.    | 9½        | 10½        | 7    | 4½     | 4               | R.O.L.                | 7 10 0 30   | 7 10           | 20½        | 13          | L.                | Early rupture of membranes. A.N. breech; version.                                      |
| 9        | W 264    | 34  | 1     | 39       | Spontaneous       | Spontaneous        | 9½        | 10½        | 7½   | —      | —               | L.O.A.                | 9 45 1 35   | 6 8            | 21         | 13          | L.                | Early rupture of membranes. A.N. breech; version.                                      |
| 10       | W 301    | 31  | 1     | 45?      | Spontaneous       | Spontaneous        | 10        | 11         | 7½   | 5      | 3               | L.O.A.                | 9 0 1 25  | 6 14           | 21         | 13          | L.                | Early rupture of membranes. A.N. breech; version.                                      |
| 11       | W 349    | 41  | 1     | 42       | Pitocin induction | Classical C.S.     | 10½       | 11         | 7½   | —      | —               | L.O.A.                | 4 55 —  | 8 13           | 20         | 13½         | L.                | Early rupture of membranes. A.N. breech; version.                                      |
| 12       | W 374    | 38  | 1     | 40       | Spontaneous       | Forceps            | 8½        | 10½        | 7½   | P.N.F. | 4               | R.O.A.                | 38 0 3 3  | 6 9            | 19         | 12          | L.                | Early rupture of membranes. A.N. breech; version.                                      |
| 13       | W 443    | 24  | 1     | 40       | Spontaneous       | Spontaneous        | 10½       | 11½        | 8    | P.N.F. | 4               | L.O.P.                | 14 0 0 40   | 7 0            | 21         | 13½         | L.                | Early rupture of membranes. A.N. breech; version.                                      |
| 14       | W 474    | 31  | 1     | 40       | Spontaneous       | Spontaneous        | 9½        | 10½        | 8    | 4½     | 4               | L.O.A.                | 9 0 1 28  | 6 12           | 21         | 13½         | L.                | Early rupture of membranes. A.N. breech; version.                                      |
| 15       | W 478    | 35  | 3     | 40       | Spontaneous       | Spontaneous        | 9½        | 11         | 7    | 4½     | 4               | L.O.P., R.O.A.        | 20 10 0 55  | 7 10           | 21         | 14          | L.                | Early rupture of membranes. A.N. breech; version.                                      |
| 16       | W 492    | 26  | 1     | 41       | Spontaneous       | Forceps            | 9         | 9½         | 6½   | 4½     | 4               | L.O.P., L.O.A.        | 15 20 1 40  | 6 12           | 20         | 12½         | L.                | Early rupture of membranes. A.N. breech; version.                                      |
| 17       | W 504    | 31  | 1     | 40       | Spontaneous       | Spontaneous        | 9½        | 11         | 8    | 4½     | 4               | L.O.A.                | 25 55 0 15  | 7 10           | 20         | 13½         | L.                | Early rupture of membranes. A.N. breech; version.                                      |
| 18       | W 510    | 34  | 1     | 42       | Spontaneous       | Forceps            | 10½       | 11         | 7½   | 4½     | 4               | L.O.L., L.O.A.        | 17 0 6 5  | 7 4            | 19½        | 13          | L.                | Early rupture of membranes. A.N. breech; version.                                      |
| 19       | W 512    | 25  | 1     | 40       | Spontaneous       | Spontaneous        | 9         | 10½        | 7½   | 4      | 4               | R.O.P., L.O.A.        | 61 30 0 30  | 6 10           | 20         | 13          | L.                | Early rupture of membranes. A.N. breech; version.                                      |
| 20       | M 1      | 35  | 2     | 40       | Spontaneous       | Spontaneous        | 10½       | 11         | 7½   | —      | —               | R.O.P.                | 38 45 1 15  | 7 14           | —          | —           | L.                | Early rupture of membranes. A.N. breech; version.                                      |
| 21       | M 51     | 35  | 1     | 40       | Spontaneous       | Spontaneous        | 9½        | 10½        | 7½   | 4½     | —               | R.O.A.                | 24 0 0 45   | 6 9            | —          | —           | L.                | Early rupture of membranes. A.N. breech; version.                                      |
| 22       | M 83     | 39  | 4     | 40       | Spontaneous       | Spontaneous        | 11        | 11½        | 7½   | —      | —               | L.O.A.                | 56 15 0 45  | 9 6            | 22         | 14          | L.                | Early rupture of membranes. A.N. breech; version.                                      |
| 23       | M 99     | 35  | 1     | 41       | Spontaneous       | Spontaneous        | 9½        | 10½        | 7    | 4½     | —               | R.O.A.                | 22 15 0 45  | 6 12           | 19½        | 14½         | L.                | Early rupture of membranes. A.N. breech; version.                                      |
| 24       | M 156    | 27  | 3     | 44       | Spontaneous       | Spontaneous        | 8         | 10         | 7    | —      | —               | L.O.A.                | 5 30 0 15   | 8 7            | 20         | 13          | L.                | Early rupture of membranes. A.N. breech; version.                                      |
| 25       | M 242    | 37  | 2     | 43       | Spontaneous       | Lower Seg. C.S.    | 10½       | 11½        | 7½   | —      | —               | L.O.A.                | 12 0 —  | 9 4            | 21½        | 15          | L.                | Previous dystocia. Previous pregnancy aborted. Previous child died aged five days.     |
| 26       | M 284    | 38  | 2     | 42       | Spontaneous       | Spontaneous        | 10½       | 11         | 8    | —      | —               | R.O.P.                | 6 40 0 25   | 8 1            | 20         | 13½         | L.                | Previous dystocia. Previous pregnancy aborted. Previous child died aged five days.     |
| 27       | M 369    | 25  | 1     | 41       | Spontaneous       | Spontaneous        | 9½        | 10½        | 7½   | —      | —               | L.O.P., L.O.A.        | 9 0 0 45  | 6 2            | 21         | 13½         | L.                | Previous dystocia. Previous pregnancy aborted. Previous child died aged five days.     |
| 28       | M 382    | 22  | 1     | 40       | Spontaneous       | Spontaneous        | 9½        | 10½        | 7½   | 4½     | 3               | L.O.A.                | 12 0 1 55   | 5 9            | 20         | 12½         | L.                | Previous dystocia. Previous pregnancy aborted. Previous child died aged five days.     |
| 29       | M 407    | 18  | 1     | 42       | Spontaneous       | Spontaneous        | 9½        | 10½        | 7½   | —      | —               | P.O.P.                | 26 15 3 55  | 7 3            | 22         | 13½         | L.                | Previous dystocia. Previous pregnancy aborted. Previous child died aged five days.     |
| 30       | M 575    | 25  | 1     | 41       | Spontaneous       | Spontaneous        | 9½        | 10½        | 7½   | —      | —               | L.O.A.                | 9 45 4 15   | 8 7            | 21         | 14½         | L.                | Previous dystocia. Previous pregnancy aborted. Previous child died aged five days.     |
| 31       | M 628    | 26  | 1     | 40       | Spontaneous       | Lower Seg. C.S.    | 9½        | 10½        | 7½   | —      | —               | R.O.A.                | 28 0 —  | 6 11           | 21         | 13          | L.                | Previous dystocia. Previous pregnancy aborted. Previous child died aged five days.     |
| 32       | M 683    | 31  | 3     | 41       | Spontaneous       | Spontaneous        | 11½       | 12         | 8½   | P.N.F. | 4               | L.O.A.                | 14 30 1 20  | 8 6            | —          | —           | L.                | Previous dystocia. Previous pregnancy aborted. Previous child died aged five days.     |
| 33       | M 685    | 20  | 2     | 39       | Spontaneous       | Spontaneous        | 10½       | 11         | 7½   | 4½     | 3               | R.O.A.                | 37 35 0 30  | 6 8            | 20         | 12          | L.                | Previous dystocia. Previous pregnancy aborted. Previous child died aged five days.     |
| 34       | M 688    | 27  | 1     | 40       | Spontaneous       | Spontaneous        | 9½        | 10         | 7½   | 4½     | 3               | L.O.A.                | —   | 1 0            | 6 3        | 19½         | L.                | Previous dystocia. Previous pregnancy aborted. Previous child died aged five days.     |
| 35       | M 790    | 31  | 3     | 41       | Spontaneous       | Spontaneous        | 10½       | 11½        | 8½   | 5      | 3½              | R.O.P., L.O.A.        | 21 25 0 15  | 8 10           | 21         | 13          | L.                | Previous dystocia. Previous pregnancy aborted. Previous child died aged five days.     |
| 36       | W 385    | 39  | 1     | 43       | Spontaneous       | Spontaneous        | 10½       | 11½        | 8½   | 4½     | 4               | R.O.L., R.O.A.        | 48 15 1 0   | 7 8            | 21         | 14          | L.                | Previous dystocia. Previous pregnancy aborted. Previous child died aged five days.     |
| 37       | M 201    | 33  | 1     | 41       | Spontaneous       | Spontaneous        | 10½       | 11½        | 8½   | 4½     | 4               | L.O.A.                | 12 35 1 35  | 7 0            | 20½        | 14          | L.                | Previous dystocia. Previous pregnancy aborted. Previous child died aged five days.     |
| 38       | M 488    | 34  | 1     | 40       | Spontaneous       | Forceps            | 8½        | 10½        | 7½   | P.N.F. | 3               | L.O.A.                | 63 20 0 10  | 7 12           | 21         | 15          | L.                | Previous dystocia. Previous pregnancy aborted. Previous child died aged five days.     |
| 39       | M 545    | 33  | 1     | 42       | Medical induction | Classical C.S.     | —         | —          | —    | —      | —               | L.M.P.                | 32 45 —   | 7 4            | 20½        | 14          | L.                | Previous dystocia. Previous pregnancy aborted. Previous child died aged five days.     |



# LONG LABOUR (PRIMARY UTERINE INERTIA)

(Arbitrary definition is that the first stage of labour lasted 48 hours or more)

29 Cases

| Case No.   | Reg. No. | Age | Gravida | Maturity | Position of Fœtus at Onset | Delivery                  | Other Obstetric abnormalities | Time of Rupture of Membranes | Duration of Labour 1st st. 2nd st. hr. min. hr. min. | Treatment                             | Method of Delivery | Weight of Child lb. oz. | Result M. C. | Remarks                                  |
|------------|----------|-----|---------|----------|----------------------------|---------------------------|-------------------------------|------------------------------|--|---------------------------------------|--------------------|-------------------------|--------------|--|
| BOOKED     |          |     |         |          |                            |                           |                               |                              |  |                                       |                    |                         |              |  |
| 1          | W 9      | 25  | 1       | 39       | R.O.L. L.O.A.              | ...                       | ...                           | After 63½ hr.                | 0 35   | Sedatives and feeding                 | Spontaneous        | 6 14                    | L.           |  |
| 2          | W154     | 26  | 1       | 41       | L.O.A. L.O.A.              | E.C. 7½ D.C. 4½           | ...                           | After 66½ hrs.               | 0 45   | Sedatives and feeding                 | Spontaneous        | 5 13                    | L.           |  |
| 3          | W232     | 25  | 1       | 42       | L.O.A. L.O.A.              | Intra-partum hemorrhage   | ...                           | After 60 hr.                 | 1 35   | Sedatives and feeding                 | Spontaneous        | 7 8                     | L.           |  |
| 4          | W276     | 29  | 2       | 36       | L.O.A. L.O.A.              | Twins. Prolapse of cord   | ...                           | A.R.M. ...                   | 52 45  | Sedatives and feeding                 | Forceps            | 4 0                     | L.           |  |
| 5          | W307     | 26  | 1       | 38       | R.O.A. L.O.A.              | Twins                     | ...                           | At onset                     | 3 35   | Sedatives and feeding                 | Spontaneous        | 4 7                     | L.           |  |
| 6          | W388     | 25  | 1       | 43       | R.O.A. L.O.A.              | Head high at onset        | ...                           | Before onset                 | 48 5   | Sedatives and feeding                 | Forceps            | 5 9                     | L.           | SB.                                      |
| 7          | W383     | 27  | 1       | 43       | R.O.A. L.O.A.              | ...                       | ...                           | After 44½ hrs.               | 4 45   | Sedatives and feeding                 | Forceps            | 7 6                     | L.           |  |
| 8          | W454     | 43  | 1       | 36       | R.O.A. L.O.A.              | Twins. Eclampsia          | ...                           | Before onset of contractions | 2 10   | Sedatives and feeding                 | Forceps            | 4 15                    | L.           | D.                                       |
| 9          | W512     | 25  | 1       | 40       | R.O.P. L.O.A.              | Contracted pelvis         | ...                           | After 61½ hr.                | 61 30  | Sedatives and feeding                 | Spontaneous        | 6 10                    | L.           | Trial labour.                            |
| 10         | M 7      | 19  | 1       | 40       | L.O.P. L.O.P.              | Slight pelvic contraction | ...                           | After 66½ hr.                | 131 30   | Sedatives and feeding                 | Forceps            | 7 12                    | L.           |  |
| 11         | M 24     | 25  | 2       | 40       | L.O.A. L.O.A.              | High head at onset        | ...                           | After 65½ hr.                | 65 30  | Sedatives and feeding                 | Spontaneous        | 7 12                    | L.           |  |
| 12         | M 33     | 30  | 1       | 40       | R.O.A. R.O.A.              | ...                       | ...                           | Before admn.                 | 92 30  | Sedatives and feeding                 | Spontaneous        | 4 11                    | L.           |  |
| 13         | M 83     | 39  | 4       | 40       | L.O.A. L.O.A.              | Hydrannios                | ...                           | Before onset                 | 56 15  | Sedatives and feeding                 | Spontaneous        | 9 6                     | L.           |  |
| 14         | M185     | 35  | 1       | 40       | L.O.A. L.O.A.              | Rigid cervix              | ...                           | After 78½ hr.                | 78 45  | Sedatives and feeding                 | Forceps            | 7 2                     | L.           | Asphyxia pallida.                        |
| 15         | M395     | 30  | 1       | 40       | L.O.A. L.O.A.              | ...                       | ...                           | At onset                     | 145 25   | Sedatives and feeding. Cervix incised | Spontaneous        | 7 14                    | L.           |  |
| 16         | M605     | 27  | 2       | 37       | R.O.P. L.O.A.              | Previous stillbirth       | ...                           | Surgical induction           | 54 35  | Sedatives and feeding                 | Spontaneous        | 7 6                     | L.           | Asphyxia pallida.                        |
| 17         | M612     | 35  | 1       | 37       | R.O.P. R.O.P.              | Albuminuria               | ...                           | Surgical induction           | 94 10  | Sedatives and feeding                 | Cesarean Section   | 7 7                     | L.           |  |
| 18         | M621     | 38  | 2       | 41       | R.O.P. R.O.A.              | ...                       | ...                           | After 83½ hr.                | 81 30  | Sedatives and feeding                 | Forceps            | 7 3                     | L.           | Previous preg. aborted.                  |
| 19         | M646     | 25  | 1       | 42       | R.O.A. R.O.A.              | ...                       | ...                           | Before onset                 | 52 30  | Sedatives and feeding                 | Spontaneous        | 8 0                     | L.           |  |
| 20         | M728     | 25  | 1       | 42       | R.O.A. L.O.A.              | Slight pelvic contraction | ...                           | ?                            | 58 30  | Sedatives and feeding                 | Spontaneous        | 6 11                    | L.           | Asphyxia livida.                         |
| NON-BOOKED |          |     |         |          |                            |                           |                               |                              |  |                                       |                    |                         |              |  |
| 21         | M487     | 23  | 1       | 42       | R.O.L. R.O.L.              | ...                       | ...                           | ...                          | 61 30  | ...                                   | Cesarean Section   | 8 14                    | L.           |  |
| PRIVATE    |          |     |         |          |                            |                           |                               |                              |  |                                       |                    |                         |              |  |
| 22         | W 47     | 39  | 1       | 41       | L.O.A. L.O.A.              | ...                       | ...                           | After 90 hr.                 | 92 30  | Sedatives                             | Spontaneous        | 6 8                     | L.           |  |
| 23         | W170     | 32  | 1       | 41       | L.O.A. R.O.A.              | Disproportion             | ...                           | After 53 hr.                 | 53 15  | Sedatives                             | Forceps            | 9 2                     | L.           |  |
| 24         | W311     | 31  | 2       | 41       | L.O.A. L.O.A.              | ...                       | ...                           | 55 40                        | 55 30  | Sedatives                             | Forceps            | 7 14                    | L.           | Fœtal distress.                          |
| 25         | W385     | 39  | 1       | 43       | R.O.L. R.O.A.              | ...                       | ...                           | 5 30                         | 48 15  | Sedatives                             | Spontaneous        | 7 8                     | L.           | Episiotomy.                              |
| 26         | M 69     | 33  | 3       | 40       | L.O.A. L.O.A.              | Rh negative               | ...                           | Surgical induction           | 8 days   | ...                                   | Cesarean Section   | 5 15                    | L.           | Two previous SB. Post-mature. Macerated. |
| 27         | M 94     | 23  | 1       | 40       | L.O.L. L.O.A.              | ...                       | ...                           | After 23 hr.                 | 87 15  | Sedatives                             | Spontaneous        | 7 8                     | L.           |  |
| 28         | M404     | 30  | 1       | 40       | L.O.A. L.O.A.              | ...                       | ...                           | After 95 hr.                 | 129 0  | Sedatives. A.R.M.                     | Spontaneous        | 6 8                     | L.           |  |
| 29         | M488     | 34  | 1       | 40       | L.O.A. L.O.A.              | Contracted outlet         | ...                           | After 38½ hr.                | 63 20  | Sedatives                             | Forceps            | 7 12                    | L.           |  |

## VERTEX PRESENTATION AT DELIVERY

Number of Vertex Presentations, 1,267.

The number of deliveries in which the occiput was anterior at the beginning of labour was 1,109. Incidence 89%.  
The number of deliveries in which the occiput was posterior at the beginning of labour was 158. Incidence 11%.  
Of the occipito-posterior cases 112 rotated normally (64%) and were delivered spontaneously.  
There were 46 persistent occipito-posterior cases which were delivered as follows:—

|   |    |
|---|----|
| Spontaneous delivery, face to pubes ... ..        | 24 |
| Spontaneous rotation and forceps delivery ... ..  | 0  |
| Manual rotation and forceps delivery ... ..       | 6  |
| Forceps rotation and forceps delivery... ..       | 9  |
| Forceps delivery face to pubes ... ..             | 5  |
| Trial labour followed by Caesarean Section ... .. | 2  |

## PERSISTENT POSTERIOR POSITION OF THE OCCIPUT AND TRANSVERSE ARREST

46 Cases

| Case No.   | Reg. No. | Age | Gravida | Maturity | Position of Occiput | Method of Delivery                | Result M. C. | Weight of Child lb. oz. | Episiotomy or Tear | Remarks                                    |
|------------|----------|-----|---------|----------|---------------------|-----------------------------------|--------------|-------------------------|--------------------|--|
| 1          | W 37     | 24  | 1       | 27       | P.O.P.              | Spontaneous. Face to pubes        | L. D.        | 1 15                    | —                  |  |
| 2          | W 45     | 28  | 1       | 42       | R.O.P.              | Forceps rotation and delivery     | L. L.        | 7 13                    | Epis.              | Manual removal. P.P.H. Blood transfusion.  |
| 3          | W 52     | 37  | 3       | 40       | L.O.P.              | Spontaneous. Face to pubes        | L. L.        | 8 6                     | —                  |  |
| 4          | W 64     | 28  | 2       | 40       | L.O.P.              | Spontaneous. Face to pubes        | L. L.        | 7 6                     | —                  |  |
| 5          | W130     | 30  | 2       | 40       | R.O.P.              | Spontaneous. Face to pubes        | L. L.        | 8 7                     | Tear               |  |
| 6          | W167     | 39  | 4       | 34       | L.O.P.              | Spontaneous. Face to pubes        | L. M.        | 4 0                     | —                  | Intra-uterine death due to Rh. antibodies. |
| 7          | W172     | 26  | 1       | 42       | L.O.P.              | Forceps. Face to pubes            | L. L.        | 8 5                     | Epis.              |  |
| 8          | W173     | 31  | 1       | 40       | R.O.P.              | Forceps rotation and delivery     | L. L.        | 8 10                    | Epis.              |  |
| 9          | W188     | 34  | 1       | 40       | L.O.P.              | Manual rotation. Forceps delivery | L. L.        | 8 6                     | Epis.              |  |
| 10         | W241     | 34  | 2       | 40       | R.O.P.              | Forceps rotation and delivery     | L. L.        | 8 13                    | —                  | A.P.H. Placenta prævia excluded.           |
| 11         | W328     | 26  | 2       | 40       | R.O.P.              | Spontaneous. Face to pubes        | L. L.        | 9 2                     | Tear               |  |
| 12         | W418     | 25  | 2       | 39       | L.O.P.              | Spontaneous. Face to pubes        | L. L.        | 8 7                     | —                  |  |
| 13         | W454     | 43  | 1       | 36       | L.O.P.              | Forceps rotation and delivery     | L. D.        | 5 1                     | Epis.              |  |
| 14         | W455     | 41  | 4       | 42       | L.O.P.              | Forceps rotation and delivery     | L. SB.       | 7 0                     | —                  | Previous child 7 lb. 8 oz.                 |
| 15         | W489     | 26  | 2       | 39       | L.O.P.              | Spontaneous. Face to pubes        | L. L.        | 6 14                    | Tear               |  |
| 16         | W510     | 34  | 1       | 42       | L.O.L.              | Forceps rotation and delivery     | L. L.        | 7 4                     | Epis.              |  |
| 17         | W531     | 28  | 2       | 40       | L.O.P.              | Spontaneous. Face to pubes        | L. L.        | 8 8                     | Epis.              | Trial labour. Android pelvis.              |
| 18         | M 7      | 19  | 1       | 40       | L.O.P.              | Forceps. Face to pubes            | L. L.        | 7 12                    | Epis.              | Fœtal distress. Head too low for rotation. |
| 19         | M148     | 31  | 2       | 38       | R.O.P.              | Spontaneous. Face to pubes        | L. L.        | 3 8                     | Tear               | Lateral placenta prævia.                   |
| 20         | M243     | 33  | 1       | 43       | R.O.P.              | Forceps. Face to pubes            | L. L.        | 6 9                     | Epis.              |  |
| 21         | M310     | 29  | 1       | 41       | R.O.P.              | Manual rotation. Forceps delivery | L. L.        | 8 0                     | Epis.              |  |
| 22         | M325     | 25  | 2       | 40       | R.O.P.              | Spontaneous. Face to pubes        | L. L.        | 8 10                    | Tear               |  |
| 23         | M328     | 20  | 1       | 39       | L.O.P.              | Spontaneous. Face to pubes        | L. L.        | 6 6                     | —                  |  |
| 24         | M407     | 18  | 1       | 42       | L.O.P.              | Spontaneous. Face to pubes        | L. L.        | 7 3                     | Epis.              |  |
| 25         | M412     | 36  | 4       | 38       | L.O.P.              | Spontaneous. Face to pubes        | L. L.        | 7 13                    | Tear               |  |
| 26         | M451     | 28  | 2       | 40       | L.O.P.              | Spontaneous. Face to pubes        | L. L.        | 7 12                    | Tear               |  |
| 27         | M612     | 35  | 1       | 37       | R.O.P.              | Cæsarean Section                  | L. L.        | 7 7                     | —                  | Severe toxæmia.                            |
| 28         | M619     | 29  | 2       | 40       | R.O.P.              | Trial labour. Cæsarean Section    | L. L.        | 8 10                    | —                  | Previous Cæsarean Section.                 |
| 29         | M621     | 30  | 2       | 41       | R.O.P.              | Manual rotation. Forceps delivery | L. L.        | 7 3                     | —                  |  |
| 30         | M663     | 25  | 1       | 41       | R.O.P.              | Forceps rotation and delivery     | L. L.        | 6 11                    | Epis.              |  |
| 31         | M672     | 34  | 1       | 36       | R.O.P.              | Forceps rotation and delivery     | L. L.        | 7 1                     | Epis.              |  |
| 32         | M722     | 32  | 1       | 41       | L.O.P.              | Spontaneous. Face to pubes        | L. L.        | 7 9                     | Tear               |  |
| 33         | M742     | 35  | 4       | 40       | R.O.P.              | Spontaneous. Face to pubes        | L. L.        | 7 14                    | —                  |  |
| 34         | M783     | 32  | 2       | 38       | R.O.P.              | Spontaneous. Face to pubes        | L. L.        | 6 2                     | Tear               |  |
| NON-BOOKED |          |     |         |          |                     |                                   |              |                         |                    |  |
| 5          | M331     | 42  | 1       | 40       | R.O.P.              | Forceps. Face to pubes            | L. L.        | 7 6                     | Epis.              |  |



# PERSISTENT POSTERIOR POSITION—continued

| Care No. | Reg. No. | Age | Grav-ida | Matur-ity | Position of Occiput | Method of Delivery                | Result M. C. | Weight of Child lb. oz. | Episiotomy or Tear | Remarks       |
|----------|----------|-----|----------|-----------|---------------------|-----------------------------------|--------------|-------------------------|--------------------|---------------|
| PRIVATE  |          |     |          |           |                     |                                   |              |                         |                    |               |
| 36       | W205     | 24  | 1        | 41        | R.O.P.              | Manual rotation. Forceps delivery | L. L.        | 7 1                     | Epis.              | Trial labour. |
| 37       | M134     | 27  | 2        | 40        | L.O.P.              | Spontaneous. Face to pubes        | L. L.        | 9 6                     | Tear               |               |
| 38       | M311     | 25  | 1        | 40        | L.O.P.              | Spontaneous. Face to pubes        | L. L.        | 6 8                     | Tear               |               |
| 39       | M346     | 34  | 1        | 39        | L.O.P.              | Spontaneous. Face to pubes        | L. L.        | 7 3                     | Epis.              |               |
| 40       | M416     | 33  | 1        | 40        | L.O.P.              | Spontaneous. Face to pubes        | L. L.        | 7 8                     | Epis.              |               |
| 41       | M494     | 31  | 4        | 36        | L.O.P.              | Spontaneous. Face to pubes        | L. L.        | 4 2                     | —                  |               |
| 42       | M599     | 36  | 3        | 41        | R.O.P.              | Manual rotation. Forceps delivery | L. L.        | 9 11                    | Tear               |               |
| 43       | M600     | 32  | 1        | 40        | L.O.P.              | Manual rotation. Forceps delivery | L. L.        | 7 10                    | Tear               |               |
| 44       | M630     | 33  | 1        | 43        | L.O.P.              | Forceps rotation and delivery     | L. L.        | 7 10                    | Epis.              |               |
| 45       | M697     | 36  | 4        | 40        | L.O.P.              | Spontaneous. Face to pubes        | L. L.        | 7 15                    | Tear               |               |
| 46       | M739     | 25  | 1        | 42        | R.O.P.              | Forceps delivery.. Face to pubes  | L. L.        | 7 8                     | Epis.              |               |

No mother died.

Two infants were stillborn and two died, a mortality of 8½%.

## BREECH DELIVERY

Ante-natal treatment of breech cases, see page 10.

An uncomplicated breech delivery is one where an additional risk to the life of the foetus is not present—such conditions as ante-partum hæmorrhage, prematurity, monstrosity, pre-eclampsia, etc.

In the 1,006 Booked Cases delivered during the year, only two uncomplicated breech deliveries occurred, and the maternal and foetal mortality due to breech labour was nil.

In the total deliveries numbering 1,278, including Non-booked and Private cases, the number of uncomplicated breech deliveries was four. There were not any stillbirths or infant deaths, and therefore no mortality due to uncomplicated breech delivery.

No Mother died.

## UNCOMPLICATED BREECH DELIVERY

4 Cases

| Case No. | Reg. No. | Age | Grav-ida | Matur-ity | Position | Treatment                         | Result M. C. | Remarks   |
|----------|----------|-----|----------|-----------|----------|-----------------------------------|--------------|---|
| BOOKED   |          |     |          |           |          |                                   |              |   |
| 1        | M450     | 24  | 2        | 40        | L.S.P.   | Normal delivery                   | L. L.        | Weight 4 lb. 2 oz. Breech, 1946, No. M605.          |
| 2        | M542     | 28  | 2        | 37        | L.S.A.   | Spontaneous delivery              | L. L.        | Version failed under anæsthesia. Weight 4 lb. 9 oz. |
| PRIVATE  |          |     |          |           |          |                                   |              |   |
| 3        | M536     | 37  | 2        | 38        | L.S.A.   | A.R.M. Extended arms brought down | L. L.        | Fractured humerus.                                  |
| 4        | M786     | 27  | 1        | 36        | R.S.A.   | Spontaneous delivery              | L. L.        | A.P.H. Cause unknown.                               |

## COMPLICATED BREECH DELIVERY

20 Cases

| Case No.       | Reg. No. | Age | Gravida | Maturity | Position | Complication             | Treatment                     | Result M. C. | Episiotomy or Tear | Weight of Child lb. oz. | Remarks                     |
|----------------|----------|-----|---------|----------|----------|--------------------------|-------------------------------|--------------|--------------------|-------------------------|-----------------------------|
| <b>BOOKED</b>  |          |     |         |          |          |                          |                               |              |                    |                         |                             |
| 1              | W 28     | 27  | 1       | 37       | L.S.A.   | Twin ...                 | Spontaneous delivery          | L. L.        | Tear               | 5 7                     | Extended legs.              |
| 2              |          |     |         |          | R.S.A.   | Twin ...                 | Spontaneous delivery          | — L.         | —                  | 6 0                     | Footling. Left arm extended |
| 3              | W72A     | 41  | 1       | 36       | ?        | Hydrocephaly and Ascites | Spontaneous delivery          | L. M.        | —                  | 5 0                     | B.B.A.                      |
| 4              | W122     | 31  | 1       | 40       | R.S.A.   | Toxaemia                 | Surgical induction ...        | L. L.        | Epis.              | 6 4                     | Extended legs and arms.     |
| 5              | W169     | 24  | 1       | 37       | L.S.A.   | Toxaemia                 | Spontaneous pre-mature labour | L. L.        | Epis.              | 6 9                     | Posterior arm extended.     |
| 6              | W176     | 35  | 3       | 35       | R.S.A.   | Pyelitis                 | Spontaneous pre-mature labour | L. L.        | —                  | 4 3½                    |                             |
| 7              | W306     | 27  | 1       | 37       | L.S.P.   | Twin. Toxaemia           | Surgical induction ...        | L. SB.       | —                  | 5 11                    | Second twin.                |
| 8              | W307     | 26  | 1       | 38       | L.S.A.   | Twin ...                 | Spontaneous delivery          | L. SB.       | —                  | 5 9                     | Second twin.                |
| 9              | W328     | 38  | 1       | 40       | R.S.A.   | Twin ...                 | Spontaneous delivery          | L. SB.       | Epis.              | 6 12                    | First twin.                 |
| 10             | W333     | 35  | 2       | 42       | R.S.P.   | Twin ...                 | Spontaneous delivery          | L. SB.       | Tear               | 5 3½                    | First twin.                 |
| 11             |          |     |         |          | L.S.A.   | Twin ...                 | Spontaneous delivery          | — L.         | —                  | 7 4                     | Prolapse of cord            |
| 12             | W429     | 21  | 2       | 38       | R.S.A.   | Twin ...                 | Spontaneous delivery          | L. L.        | —                  | 6 4                     | Second twin.                |
| 13             | W462     | 23  | 1       | 33       | L.S.A.   | Twin ...                 | Spontaneous delivery          | L. D.        | Epis.              | 2 3                     | Second twin.                |
| 14             | M251     | 32  | 3       | 39       | R.S.P.   | Twin ...                 | Spontaneous delivery          | L. L.        | —                  | 5 11                    |                             |
| 15             |          |     |         |          | L.S.A.   | Twin ...                 | Spontaneous delivery          | — L.         | —                  | 6 10                    |                             |
| 16             | M343     | 34  | 4       | 36       | L.S.A.   | Twin ...                 | Spontaneous delivery          | L. L.        | —                  | 5 8                     | Second twin.                |
| 17             | M521     | 34  | 3       | 40       | R.S.A.   | Twin ...                 | Spontaneous delivery          | L. L.        | —                  | 4 14                    | Second twin.                |
| 18             | M671     | 34  | 3       | 40       | R.S.A.   | Twin ...                 | Spontaneous delivery          | L. L.        | Tear               | 4 14                    | Second twin.                |
| <b>PRIVATE</b> |          |     |         |          |          |                          |                               |              |                    |                         |                             |
| 19             | W297     | 36  | 1       | 30       | ?        | Prolapsed cord           | Spontaneous delivery          | L. SB.       | —                  | 1 14                    | Manual removal of placenta. |
| 20             | M280     | 31  | 3       | 38       | R.S.A.   | Twin ...                 | Spontaneous delivery          | L. L.        | —                  | 6 3                     | First twin.                 |

## BREECH PRESENTATION TREATED BY CÆSAREAN SECTION

8 Cases

| Case No.       | Reg. No. | Age | Gravida | Maturity | Position | Indication  | Result M. C. | Weight lb. oz. | Remarks  |
|----------------|----------|-----|---------|----------|----------|---|--------------|----------------|--|
| <b>BOOKED</b>  |          |     |         |          |          |   |              |                |  |
| 1              | W 32     | 38  | 3       | 36       | R.S.A.   | Placenta prævia ...                                   | L. L.        | 5 12           |  |
| 2              | W501     | 28  | 1       | 40       | R.S.A.   | Failed version. Contracted pelvic outlet              | L. L.        | 8 7            | Uterus bicornis unicolis.                                |
| 3              | M136     | 38  | 1       | 40       | L.S.A.   | Failed version. Pelvic tumour ...                     | L. L.        | 8 15           | Fibroid removed from cornu, undergoing red degeneration. |
| 4              | M385     | 30  | 3       | 40       | R.S.A.   | Failed version. Contracted outlet                     | L. L.        | 6 12           | No living children.                                      |
| 5              | M426     | 33  | 1       | 40       | L.S.A.   | Failed version. Contracted outlet                     | L. L.        | 8 0            | A.P.H. following failed version. Cervical polyp.         |
| 6              | M636     | 33  | 2       | 40       | R.S.A.   | Failed version. Married twelve years, no living child | L. L.        | 7 4            |  |
| <b>PRIVATE</b> |          |     |         |          |          |   |              |                |  |
| 7              | W243     | 31  | 1       | 38       | R.S.A.   | Failed version. Contracted outlet                     | L. L.        | 6 2            | Puerperal pyrexia.                                       |
| 8              | M784     | 26  | 1       | 39       | L.S.A.   | Albuminuria severe ...                                | L. L.        | 6 1            | Puerperal pyrexia.                                       |

## FACE AND BROW PRESENTATION

4 Cases

| Case No.       | Reg. No. | Age | Gravida | Maturity | Position     | Treatment                         | Result M. C. | Weight of Child lb. oz. | Episiotomy or Tear | Remarks                               |
|----------------|----------|-----|---------|----------|--------------|-----------------------------------|--------------|-------------------------|--------------------|---------------------------------------|
| <b>BOOKED</b>  |          |     |         |          |              |                                   |              |                         |                    |                                       |
| 1              | W340     | 32  | 1       | 40       | R.M.A.       | Spontaneous delivery ...          | D. L.        | 8 6                     | Epis.              | P.P.H. and shock. See Maternal Death. |
| 2              | M 30     | 30  | 2       | 40       | R.M.A.       | Spontaneous delivery ...          | L. SB.       | —                       | —                  | Cord tightly around neck twice.       |
| 3              | M652     | 41  | 4       | 40       | Brow. L.M.P. | Manual rotation under anaesthesia | L. L.        | 7 4                     | Epis.              |                                       |
| <b>PRIVATE</b> |          |     |         |          |              |                                   |              |                         |                    |                                       |
| 4              | M545     | 33  | 2       | 42       | L.M.P.       | Trial labour. Caesarean Section   | L. L.        | 7 4                     | —                  | Labour medically induced.             |

One mother died.  
One foetus was stillborn, a foetal mortality of 25%.



## SHOULDER PRESENTATION

One case

| Case No. | Reg. No. | Age | Grav-ida | Matur-ity | Complication | Treatment                 | Result M. C. | Weight of Child lb. oz. | Episiotomy or Tear | Remarks |
|----------|----------|-----|----------|-----------|--------------|---------------------------|--------------|-------------------------|--------------------|---------|
| BOOKED   |          |     |          |           |              |                           |              |                         |                    |         |
| 1        | W454     | 43  | 1        | 36        | Second twin  | External cephalic version | L. D.        | 5 1                     | Epis. Forceps.     |         |

## COMPLEX PRESENTATION

One Case

|        |      |    |   |    |             |                      |       |     |   |                 |
|--------|------|----|---|----|-------------|----------------------|-------|-----|---|-----------------|
| BOOKED |      |    |   |    |             |                      |       |     |   |                 |
| 1      | W276 | 29 | 2 | 36 | Second twin | Forceps delivery ... | L. L. | 4 7 | — | Vertex and arm. |

## PRESENTATION AND PROLAPSE OF CORD

6 Cases

| Case No. | Reg. No. | Age | Grav-ida | Matur-ity | Size of os when Diagnosed | Treatment                   | Result M. C. | Complications                    | Remarks                                 |
|----------|----------|-----|----------|-----------|---------------------------|-----------------------------|--------------|----------------------------------|---|
| BOOKED   |          |     |          |           |                           |                             |              |                                  |   |
| 1        | W276     | 29  | 2        | 36        | Fully dilated ...         | Forceps delivery ...        | L. L.        | Twin ...                         |   |
| 2        | W333     | 35  | 2        | 42        | Fully dilated ...         | Rapid breech extrac-tion    | L. L.        | Second twin                      |   |
| 3        | W375     | 26  | 4        | 38        | Fully dilated ...         | None ...                    | L. L.        | Second twin                      |   |
| 4        | W509     | 27  | 2        | 40        | Fully dilated             | Rapid spontaneous delivery  | L. SB.       | Second twin                      |   |
| 5        | M581     | 36  | 1        | 37        | Not in labour ...         | Cæsarean Section ...        | L. L.        | Severe tox-æmia                  | Diagnosed in ex-amination before A.R.M. |
| PRIVATE  |          |     |          |           |                           |                             |              |                                  |   |
| 6        | W297     | 36  | 1        | 30        | ? ...                     | None. Fœtal heart not heard | L. SB.       | Placenta præ-via. Manual removal | Breech. Weight 1 lb. 14 oz.             |

No mother died.

Two fœtuses were stillborn, a mortality of 33%.

# POST-PARTUM HÆMORRHAGE

73 Cases

| Case No. | Reg. No. | Age | Grav. idia | Matur-ity | One maternal death. Five stillbirths. Four infants died. Foetal and infant mortality was 12%. 28 patients had blood transfusions. |     | Predisposing Causes       | Type of Hemorrhage | Estimate of loss oz.                  | Treatment                          | Transfusions Result |    | Remarks                               |
|----------|----------|-----|------------|-----------|---|-----|---------------------------|--------------------|---------------------------------------|------------------------------------|---------------------|----|---------------------------------------|
|          |          |     |            |           |   |     |                           |                    |                                       |                                    | M                   | C  |                                       |
| 1        | W 35     | 36  | 1          | 43        | Primary inertia   | ... | Large child               | ...                | Before delivery of placenta           | Intravenous ergometrine            | Yes                 | L. | Forceps delivery Child weighed 10 lb. |
| 2        | W 45     | 28  | 1          | 42        | Forceps   | ... | Partly adherent placenta  | ...                | Before delivery of placenta           | Intravenous ergometrine            | Yes                 | L. | L.                                    |
| 3        | W 62     | 39  | 2          | 37        | A.R.M. Normal.  | ... | None                      | ...                | During delivery of placenta           | I.V. Ergometrine                   | No                  | L. | L.                                    |
| 4        | W 68     | 39  | 3          | 37        | A.R.M. Normal   | ... | Partly adherent placenta  | ...                | Before and after delivery of placenta | Severe I.V. Ergometrine            | Yes                 | L. | L.                                    |
| 5        | W 72     | 25  | 1          | 40        | Long trial labour   | ... | Partly adherent placenta  | ...                | Before and with delivery of placenta  | I.V. Ergometrine.                  | Yes                 | L. | L.                                    |
| 6        | W 97     | 25  | 1          | 40        | Normal  | ... | ?                         | ...                | 6½ hours after delivery of placenta   | Morphia                            | Yes                 | L. | L.                                    |
| 7        | W 235    | 34  | 1          | 40        | Normal  | ... | —                         | ...                | Before and after delivery of placenta | I.M. Ergometrine.                  | Yes                 | L. | L.                                    |
| 8        | W 287    | 38  | 2          | 42        | Normal  | ... | —                         | ...                | Before and after delivery of placenta | Morphia. Coramine                  | No                  | L. | L.                                    |
| 9        | W 310    | 31  | 1          | 36        | Normal  | ... | —                         | ...                | After delivery of placenta            | I.M. Ergometrine                   | No                  | L. | L.                                    |
| 10       | W 328    | 38  | 1          | 40        | Normal twin   | ... | Twins                     | ...                | After delivery of placenta            | I.M. Ergometrine                   | No                  | L. | L.                                    |
| 11       | W 340    | 32  | 1          | 40        | Normal  | ... | Partly separated placenta | ...                | Before and after delivery of placenta | I.V. Ergometrine.                  | No                  | L. | L.                                    |
| 12       | W 354    | 22  | 1          | 40        | Normal  | ... | —                         | ...                | After delivery of placenta.           | I.M. Ergometrine, pitocin, morphia | Yes                 | D. | L.                                    |
|          |          |     |            |           |   |     |                           |                    | Secondary tenth day                   | I.M. Ergometrine, pitocin          | No                  | L. | L.                                    |
| 13       | W 366    | 26  | 2          | 40        | Normal  | ... | Partly separated placenta | ...                | Before delivery of placenta           | I.M. Ergometrine.                  | Yes                 | L. | L.                                    |
| 14       | W 368    | 25  | 1          | 43        | Primary inertia   | ... | Uterine exhaustion        | ...                | Before delivery of placenta           | Uterus evacuated                   | No                  | L. | L.                                    |
| 15       | W 376    | 26  | 1          | 41        | Normal  | ... | Large placenta            | ...                | During delivery of placenta           | I.M. Ergometrine                   | Yes                 | L. | L.                                    |
| 16       | W 384    | 32  | 1          | 40        | Normal  | ... | —                         | ...                | Before and after delivery of placenta | I.V. Ergometrine                   | No                  | L. | L.                                    |
| 17       | W 403    | 18  | 1          | 41        | Forceps   | ... | Eclampsia                 | ...                | After delivery of placenta            | I.M. Ergometrine.                  | No                  | L. | L.                                    |
| 18       | W 428    | 23  | 1          | 40        | Normal  | ... | Secondary inertia         | ...                | After delivery of placenta            | Morphia                            | Yes                 | L. | L.                                    |
| 19       | W 429    | 21  | 2          | 38        | Normal  | ... | Twins                     | ...                | After delivery of placenta            | I.M. Ergometrine                   | No                  | L. | L.                                    |
| 20       | W 437    | 30  | 2          | 42        | Normal  | ... | Secondary inertia         | ...                | After delivery of placenta            | I.M. Ergometrine.                  | No                  | L. | L.                                    |
| 21       | W 453    | 22  | 1          | 40        | Normal  | ... | —                         | ...                | After delivery of placenta            | Pitocin                            | No                  | L. | L.                                    |
| 22       | W 454    | 43  | 1          | 36        | Primary inertia   | ... | Twins                     | ...                | After delivery of first twin          | I.V. Ergometrine                   | Yes                 | L. | L.                                    |
| 23       | W 481    | 22  | 1          | 43        | Forceps   | ... | —                         | ...                | Before and after delivery of placenta | A.R.M. Second twin                 | Yes                 | L. | D.                                    |
| 24       | W 493    | 31  | 3          | 42        | Normal  | ... | Child 10½ lb.             | ...                | After delivery of placenta            | I.M. Ergometrine.                  | Yes                 | L. | SB.                                   |
| 25       | W 494    | 25  | 2          | 40        | Normal  | ... | Child 11½ lb.             | ...                | After delivery of placenta            | I.M. Ergometrine, Pitocin          | No                  | L. | L.                                    |
|          |          |     |            |           |   |     |                           |                    |                                       | I.M. Ergometrine Pitocin           | No                  | L. | L.                                    |



# POST-PARTUM HÆMORRHAGE—continued

| Case No. | Reg. No. | Age | Grav. idy | Matur-ity | Character of Labour | Predisposing Causes                | Type of Hemorrhage                    | Estimate of loss oz. | Treatment                           | Transfusions | Result | Remarks                  |
|----------|----------|-----|-----------|-----------|---------------------|------------------------------------|---------------------------------------|----------------------|-------------------------------------|--------------|--------|--------------------------|
| 26       | M46      | 33  | 2         | 40        | Normal              | Large child. Hypertension          | After delivery of placenta            | 25                   | I.M. Ergometrine                    | No           | L. L.  |                          |
| 27       | M85      | 34  | 2         | 41        | Normal              | —                                  | After delivery of placenta            | 40                   | I.M. Ergometrine, Pitocin           | Yes          | L. L.  |                          |
| 28       | M110     | 26  | 2         | 35        | Normal              | —                                  | Secondary                             | 40                   | I.M. Ergometrine                    | No           | L. L.  |                          |
| 29       | M148     | 31  | 2         | 38        | A.R.M. Normal       | Lateral placenta previa            | Before delivery of placenta           | 78                   | I.M. Ergometrine, Morphia           | Yes          | L. L.  | Manual removal.          |
| 30       | M243     | 33  | 1         | 43        | Forceps, P.O.P.     | Long second stage                  | Before delivery of placenta           | 30                   | I.M. Ergometrine, Pitocin, Morphia  | Yes          | L. L.  |                          |
| 31       | M322     | 28  | 2         | 43        | Normal              | Large child                        | After delivery of placenta            | 40                   | I.M. Ergometrine, Pitocin, Morphia  | No           | L. L.  |                          |
| 32       | M332     | 42  | 2         | 41        | Spontaneous         | Large child                        | After delivery of placenta            | 30                   | I.M. Ergometrine, Pitocin           | No           | L. L.  |                          |
| 33       | M375     | 24  | 2         | 40        | Normal R.O.A.       | None                               | After delivery of placenta            | 26                   | I.M. Ergometrine, Pitocin           | No           | L. L.  |                          |
| 34       | M567     | 27  | 4         | 42        | Normal              | A.P.H. Retained placenta           | Before and after delivery of placenta | 73                   | I.V. Ergometrine, Morphia           | Yes          | L. L.  |                          |
| 35       | M583     | 24  | 1         | 39        | Normal              | Secondary inertia                  | After delivery of placenta            | 26                   | I.M. Ergometrine                    | No           | L. L.  | Pulse 88.                |
| 36       | M592     | 26  | 1         | 41        | Normal              | Hypertension                       | After delivery of placenta            | 46                   | I.M. Ergometrine, Pitocin           | No           | L. L.  |                          |
| 37       | M595     | 30  | 1         | 40        | Spontaneous         | Primary inertia, fibroids          | After delivery of placenta            | 42                   | I.M. Pitocin                        | No           | L. L.  | Pulse 104.               |
| 38       | M605     | 27  | 2         | 37        | Induced             | Primary inertia                    | After delivery of placenta            | 40                   | I.M. Ergometrine, Pitocin           | Yes          | L. L.  | Pulse 96.                |
| 39       | M607     | 30  | 1         | 40        | Normal              | Hypertension                       | After delivery of placenta            | 60                   | I.M. Ergometrine, Pitocin           | Yes          | L. L.  |                          |
| 40       | M610     | 30  | 1         | 40        | Normal              | Hypertension                       | After delivery of placenta            | 24                   | —                                   | No           | L. L.  |                          |
| 41       | M614     | 22  | 2         | 41        | Precipitate         | —                                  | Before delivery of placenta           | 40                   | Placenta expelled, I.M. Ergometrine | Yes          | L. L.  | SB. B.B.A.               |
| 42       | M624     | 23  | 1         | 42        | Long                | Partly separated placenta          | Before delivery of placenta           | 40                   | I.M. Ergometrine                    | Yes          | L. L.  |                          |
| 43       | M663     | 25  | 1         | 41        | Long second stage   | A.N. Anaemia and retained placenta | Before delivery of placenta           | 60                   | Morphia, Coramine                   | Yes          | L. L.  | Puerperal pyrexia.       |
| 44       | M694     | 31  | 3         | 41        | Normal              | Lacerated cervix and perineum      | After delivery of placenta            | 40                   | I.M. Ergometrine and suture         | No           | L. L.  | Pulse 92.                |
| 45       | M700     | 26  | 3         | 41        | Normal              | Hypertension                       | After delivery of placenta            | 44                   | —                                   | Yes          | L. L.  | Two pregnancies aborted. |
| 46       | M704     | 30  | 1         | 40        | Normal              | —                                  | Before and after delivery of placenta | 44                   | I.M. Ergometrine, Morphia           | No           | L. L.  | Pulse 86.                |
| 47       | M713     | 28  | 1         | 34        | Spontaneous         | Eclampsia                          | After delivery of placenta            | 30                   | I.M. Ergometrine, Morphia           | No           | L. D.  |                          |
| 48       | M714A    | 28  | 2         | 38        | Normal              | —                                  | After delivery of placenta            | 30                   | I.M. Ergometrine, Pitocin           | No           | L. L.  |                          |
| 49       | M733     | 27  | 2         | 40        | Normal              | Occipito posterior                 | After delivery of placenta            | 30                   | I.M. Ergometrine                    | No           | L. L.  |                          |
| 50       | M748     | 23  | 2         | 42        | Normal              | Not known                          | After delivery of placenta            | 36                   | I.M. Ergometrine                    | No           | L. L.  |                          |
| 51       | M792     | 30  | 2         | 41        | Normal              | Not known                          | Before delivery of placenta           | 40                   | Placenta expelled, I.M. Ergometrine | Yes          | L. L.  |                          |
| 52       | M797     | 38  | 2         | 41        | Normal              | Rapid second stage                 | Before delivery of placenta           | 50                   | I.V. Ergometrine, Morphia           | Yes          | L. L.  | Manual remov             |

# POST-PARTUM HAEMORRHAGE—continued.

| Case No. | Reg. No. | Age | Grav. idia | Maturity | Character of Labour | Predisposing Cause | Type of Haemorrhage                   | Estimate of loss oz.           | Treatment                        | Transfusions Result M. C. | Remarks                  |
|----------|----------|-----|------------|----------|---------------------|--------------------|---------------------------------------|--------------------------------|----------------------------------|---------------------------|--------------------------|
| 53       | M798     | 28  | 2          | 42       | Normal              | ...                | Partly separated placenta             | Before delivery of placenta 30 | I.V. Ergometrine ...             | No                        | L. L. Placenta expelled. |
| 54       | M799     | 17  | 1          | 38       | Normal              | ...                | ...                                   | After delivery of placenta 40  | I.M. Ergometrine, Pitocin        | Yes                       | L. L.                    |
| PRIVATE  |          |     |            |          |                     |                    |                                       |                                |                                  |                           |                          |
| 55       | W285     | 30  | 2          | 40       | Normal              | ...                | ...                                   | After delivery of placenta 40  | I.M. Ergometrine, Pitocin        | No                        | L. L.                    |
| 56       | W297     | 36  | 1          | 30       | Spontaneous breech  | Placenta praevia   | Before delivery of placenta           | 28                             | I.M. Ergometrine, Morphia        | Yes                       | L. SB. Manual removal.   |
| 57       | W316     | 28  | 1          | 40       | Long                | Disproportion      | Before delivery of placenta           | 25                             | I.M. Ergometrine, Pitocin        | No                        | L. L.                    |
| 58       | M 70     | 35  | 2          | 42       | Normal              | Large child        | Before delivery of placenta           | 25                             | I.M. Ergometrine ...             | No                        | L. L.                    |
| 59       | M 73     | 28  | 2          | 41       | Normal              | —                  | After delivery of placenta            | 21                             | I.M. Ergometrine                 | No                        | L. L.                    |
| 60       | M 88     | 27  | 2          | 41       | Normal              | —                  | Before and after delivery of placenta | 50                             | I.M. Ergometrine ...             | Yes                       | L. L.                    |
| 61       | M114     | 34  | 2          | 40       | Normal              | —                  | Before delivery of placenta           | 40                             | I.M. Ergometrine and morphia     | No                        | L. L.                    |
| 62       | M116     | 33  | 1          | 40       | Normal              | —                  | After delivery of placenta            | 36                             | I.M. Ergometrine                 | No                        | L. L.                    |
| 63       | M126     | 26  | 1          | 40       | Normal              | Hypertension       | After delivery of placenta            | Free                           | I.M. Ergometrine                 | No                        | L. L.                    |
| 64       | M279     | 41  | 5          | 36       | Normal              | ...                | After delivery of placenta            | 25                             | I.M. Ergometrine                 | No                        | L. L.                    |
| 65       | M312     | 38  | 3          | 42       | Long second stage   | Mild disproportion | After delivery of placenta            | 21                             | I.M. Ergometrine                 | No                        | L. L.                    |
| 66       | M446     | 31  | 1          | 42       | Long second stage   | Large child        | After delivery of placenta            | 40                             | I.M. Ergometrine                 | No                        | L. L.                    |
| 67       | M472     | 37  | 2          | 39       | Normal              | —                  | Before and after delivery of placenta | 45                             | Pitocin and ergometrine          | No                        | L. L.                    |
| 68       | M477     | 39  | 3          | 40       | Long                | Large child        | After delivery of placenta            | 21                             | I.M. Ergometrine and pitocin     | No                        | L. L.                    |
| 69       | M608     | 40  | 4          | 40       | Forceps             | —                  | After delivery of placenta            | 30                             | I.M. Ergometrine and pitocin     | No                        | L. L.                    |
| 70       | M634     | 31  | 4          | 40       | Forceps             | Cervical tear      | After delivery of placenta            | 25                             | Cervix sutured. I.M. Ergometrine | No                        | L. L.                    |
| 71       | M720     | 30  | 2          | 40       | Normal              | Large child        | After delivery of placenta            | 40                             | I.M. Ergometrine Pitocin         | Yes                       | L. L.                    |
| 72       | M740     | 32  | 2          | 42       | Spontaneous         | —                  | With the placenta                     | 40                             | I.M. Ergometrine, Pitocin        | No                        | L. L.                    |
| 73       | M753     | 21  | 2          | 40       | Normal              | Large child        | After delivery of placenta            | 30                             | I.M. Ergometrine                 | No                        | L. L.                    |



## LACERATION OF PERINEUM

|                   | First and<br>Second Degree | Third<br>Degree | Total      |
|-------------------|----------------------------|-----------------|------------|
| Booked ... ..     | 450                        | 4               | 454        |
| Non-booked ... .. | 4                          | —               | 4          |
| Private ... ..    | 139                        | —               | 139        |
|                   |                            |                 | <u>597</u> |

## ECTOPIC PREGNANCY

Four Non-booked cases, all tubal pregnancies, were admitted and underwent operation. All survived.

## ABORTION

30 Cases

Cases of abortion normally were not treated in the maternity wards, but were admitted to the Gynaecological Ward. The table excludes 66 Booked ante-natal patients who had complete abortion at home.

|  | Booked    | Private  | Non-booked | Total     |
|--|-----------|----------|------------|-----------|
| Threatened abortion discharged undelivered ... ..  | 5         | —        | —          | 5         |
| Threatened abortion completed spontaneously ... .. | 2         | 1        | 1          | 4         |
| Incomplete abortion completed by evacuation ... .. | 4         | 5        | 5          | 14        |
| Missed abortion completed by evacuation ... ..     | 1         | —        | —          | 1         |
| Hydatidiform mole ... ..                           | 1         | —        | —          | 1         |
| Complete abortion ... ..                           | 1         | 1        | —          | 2         |
| Therapeutic abortion ... ..                        | 2         | 1        | —          | 3         |
|  | <u>16</u> | <u>8</u> | <u>6</u>   | <u>30</u> |

There was no maternal death.

## RHESUS NEGATIVE MOTHERS

Blood tests for the Rhesus factor were carried out on all Booked cases at the time of booking. The table shows Rhesus negative patients only. The number of Rhesus negative mothers amongst Booked cases was 201, an incidence of 20 per cent. Where there were previous pregnancies they were recorded chronologically. The blood of all Rh. negative mothers was again tested about the thirty-second week for presence of antibodies in women who had borne previous children, and at the thirty-sixth week in primigravidae. The test was repeated at thirty-six weeks in multigravidae. If any antibodies were found the test was carried out again with diluted serum to find any rise or fall in titre, but it was observed that the titre alone did not indicate the seriousness of the effect on the foetus. If pregnancy was sufficiently advanced to give a child with a reasonable chance of survival and antibodies were present in the maternal blood, premature labour was induced.

212 Cases

| Case No.      | Reg. No. | Gravida | Previous Obstetric History           | Previous Transfusion | Mothers Blood Anti-bodies | Child Rh. | Results to Child       | Remarks  |
|---------------|----------|---------|--------------------------------------|----------------------|---------------------------|-----------|------------------------|--|
| <b>BOOKED</b> |          |         |                                      |                      |                           |           |                        |  |
| 1             | W 5      | 2       | 1 living child                       | ...                  | No                        | Absent    | Positive               | L.   |
| 2             | W 6      | 1       | —                                    | ...                  | No                        | Absent    | Positive               | L.   |
| 3             | W 8      | 1       | —                                    | ...                  | No                        | Absent    | Positive               | L.   |
| 4             | W 23     | 1       | —                                    | ...                  | No                        | —         | —                      | L.   |
| 5             | W 25     | 1       | —                                    | ...                  | No                        | Absent    | Negative               | L.   |
| 6             | W 26     | 3       | 1 living child. 1 abortion           | ...                  | No                        | Absent    | —                      | L.   |
| 7             | W 28     | 1       | —                                    | ...                  | No                        | Absent    | { Positive<br>Positive | L.<br>L. } Twins.  |
| 8             | W 31     | 1       | —                                    | ...                  | —                         | Absent    | —                      | L.   |
| 9             | W 36     | 1       | —                                    | ...                  | No                        | Absent    | Negative               | L.   |
| 10            | W 37     | 1       | —                                    | ...                  | No                        | —         | —                      | D. Maturity twenty-seven weeks. Wt. 1 lb. 15 oz.                 |
| 11            | W 42     | 2       | 1 abortion, 2 months                 | ...                  | No                        | Absent    | Negative               | L.   |
| 12            | W 49     | 3       | 1 abortion. 1 live child             | ...                  | No                        | Absent    | Negative               | L.   |
| 13            | W 53     | 2       | 1 living child                       | ...                  | No                        | Absent    | Positive               | L.   |
| 14            | W 54     | 1       | —                                    | ...                  | No                        | Absent    | Negative               | L.   |
| 15            | W 56     | 1       | —                                    | ...                  | No                        | ?         | ?                      | L.   |
| 16            | W 63     | 2       | 1 living child                       | ...                  | No                        | Absent    | ?                      | L.   |
| 17            | W 66     | 2       | 1 living child                       | ...                  | Yes                       | 1 in 6    | Positive               | M.   |
| 18            | W72A     | 1       | —                                    | ...                  | No                        | Absent    | ?                      | M. Hydrocephaly, ascites, talipes.                               |
| 19            | W 75     | 1       | —                                    | ...                  | No                        | Absent    | Negative               | L.   |
| 20            | W 76     | 1       | —                                    | ...                  | No                        | Absent    | Positive               | L.   |
| 21            | W 77     | 2       | 1 living child                       | ...                  | No                        | Absent    | Positive               | L.   |
| 22            | W 82     | 2       | 1 living child                       | ...                  | No                        | Absent    | Aborted                | — Missed 16 weeks abortion, completed at 40 weeks by evacuation. |
| 23            | W 89     | 1       | —                                    | ...                  | No                        | Absent    | Negative               | L.   |
| 24            | W 90     | 2       | 1 living child                       | ...                  | No                        | Absent    | Positive               | L.   |
| 25            | W100     | 1       | —                                    | ...                  | No                        | Absent    | Negative               | L.   |
| 26            | W103     | 3       | 2 living children                    | ...                  | No                        | —         | Positive               | L.   |
| 27            | W106     | 1       | —                                    | ...                  | No                        | Absent    | Positive               | L.   |
| 28            | W110     | 4       | 3 living children                    | ...                  | No                        | Absent    | Positive               | L.   |
| 29            | W111     | 3       | First child lived; second child died | ...                  | No                        | Absent    | Positive               | L.   |
| 30            | W124     | 1       | —                                    | ...                  | No                        | Absent    | Positive               | L.   |
| 31            | W125     | 2       | 1 living child                       | ...                  | No                        | Absent    | Positive               | L.   |

## RHESUS NEGATIVE MOTHERS—continued.

| Case No. | Reg. No. | Gravida | Previous Obstetric History  | Previous Transfusion | Mother's Blood Antibodies | Child Rh.  | Results to Child | Remarks  |
|----------|----------|---------|---|----------------------|---------------------------|------------|------------------|--|
| 32       | W127     | 2       | 1 living child  | ...                  | No                        | Positive   | L.               |  |
| 33       | W137     | 2       | 1 living child  | ...                  | No                        | Negative   | L.               |  |
| 34       | W140     | 4       | 2 living children. 1 SB.  | ...                  | No                        | Negative   | L.               |  |
| 35       | W143     | 1       | —   | ...                  | No                        | Negative   | L.               |  |
| 36       | W166     | 2       | 1 living child  | ...                  | No                        | Positive   | L.               |  |
| 37       | W167     | 4       | First child forceps; died two days old. Second child living. Third child SB. 37 weeks | No                   | 1/32                      | ?          | M.               | Husband's blood group "O" Rh. positive. Genotype Rh <sub>1</sub> , Rh <sub>2</sub> . Maternal antibodies absent after one month. |
| 38       | W175     | 1       | —   | ...                  | No                        | Negative   | L.               |  |
| 39       | W178     | 2       | 1 living child  | ...                  | No                        | Negative   | L.               |  |
| 40       | W181     | 1       | —   | ...                  | No                        | Positive   | L.               |  |
| 41       | W183     | 1       | —   | ...                  | No                        | Positive   | L.               |  |
| 42       | W225     | 1       | —   | ...                  | No                        | Positive   | SB.              |  |
| 43       | W226     | 2       | 1 living child  | ...                  | No                        | Positive   | L.               |  |
| 44       | W229     | 1       | —   | ...                  | No                        | Positive   | L.               |  |
| 45       | W231     | 2       | 1 living child  | ...                  | No                        | Negative   | L.               | Father Rh. positive.   |
| 46       | W237     | 2       | 2 months' abortion  | ...                  | No                        | Positive   | L.               |  |
| 47       | W241     | 2       | 1 living child  | ...                  | No                        | Positive   | L.               |  |
| 48       | W249     | 2       | 1 living child  | ...                  | No                        | Positive   | L.               |  |
| 49       | W264     | 1       | —   | ...                  | No                        | —          | L.               |  |
| 50       | W268     | 4       | 3 living children   | ...                  | No                        | Positive   | L.               |  |
| 51       | W275     | 2       | 1 living child  | ...                  | No                        | Positive   | L.               |  |
| 52       | W286     | 1       | —   | ...                  | No                        | Positive   | L.               |  |
| 53       | W287     | 2       | 1 living child  | ...                  | No                        | Positive   | D.               | Cerebral hemorrhage.   |
| 54       | W293     | 2       | 1 abortion, 6 weeks   | ...                  | No                        | Positive   | L.               |  |
| 55       | W301     | 1       | —   | ...                  | No                        | Positive   | L.               |  |
| 56       | W319     | 1       | —   | ...                  | No                        | Positive   | L.               |  |
| 57       | W327A    | 2       | 1 living child  | ...                  | No                        | Negative   | L.               |  |
| 58       | W328A    | 1       | —   | ...                  | No                        | Positive   | L.               |  |
| 59       | W333     | 2       | 1 stillbirth  | ...                  | No                        | Positive   | L.               |  |
| 60       | W341     | 4       | 1 SB. 2 living children   | ...                  | No                        | Positive   | SB.              |  |
| 61       | W343     | 1       | —   | ...                  | No                        | Positive   | L.               |  |
| 62       | W347     | 2       | 1 abortion, 2 months  | ...                  | No                        | Positive   | L.               |  |
| 63       | W348     | 2       | 1 living child  | ...                  | No                        | Negative   | L.               |  |
| 64       | W354     | 1       | —   | ...                  | No                        | Positive   | L.               |  |
| 65       | W356     | 1       | —   | ...                  | No                        | Positive   | L.               |  |
| 66       | W368     | 1       | —   | ...                  | No                        | Positive   | L.               |  |
| 67       | W375     | 4       | 1 living child; 2 early abortions   | ...                  | No                        | Negative   | L.               |  |
| 68       | W381     | 2       | 1 living child  | ...                  | No                        | Negative   | L.               |  |
| 69       | W391     | 4       | 3 living children   | ...                  | No                        | Negative   | L.               |  |
| 70       | W410     | 1       | —   | ...                  | No                        | Negative   | L.               |  |
| 71       | W412     | 1       | —   | ...                  | No                        | Positive   | L.               |  |
| 72       | W413     | 4       | 1 living child; two abortions   | ...                  | No                        | Negative   | L.               |  |
| 73       | W414     | 5       | 4 living children   | ...                  | No                        | Negative   | L.               |  |
| 74       | W417     | 3       | 2 living children   | ...                  | No                        | Negative   | L.               |  |
| 75       | W418     | 2       | 1 living child  | ...                  | No                        | Positive   | L.               |  |
| 76       | W427     | 1       | —   | ...                  | No                        | Positive   | L.               |  |
| 77       | W430     | 1       | —   | ...                  | No                        | Negative   | L.               |  |
| 78       | W435     | 1       | —   | ...                  | No                        | Positive   | L.               |  |
| 79       | W459     | 3       | 2 living children   | ...                  | No                        | Negative   | L.               |  |
| 80       | W462     | 1       | —   | ...                  | No                        | Not tested | D.               | Second twin, 33 wks.; first twin macerated.  |
| 81       | W465     | 1       | —   | ...                  | No                        | Negative   | L.               |  |
| 82       | W471     | 1       | —   | ...                  | No                        | Positive   | L.               |  |
| 83       | W476     | 2       | 1 living child  | ...                  | No                        | Positive   | L.               |  |
| 84       | W490     | 1       | —   | ...                  | No                        | Negative   | L.               |  |
| 85       | W494     | 2       | 1 living child  | ...                  | No                        | Negative   | L.               |  |
| 86       | W497     | 1       | —   | ...                  | No                        | —          | SB.              | Oligo hydramnios. Albuminuria.   |
| 87       | W519     | 1       | —   | ...                  | No                        | —          | L.               |  |
| 88       | W521     | 2       | 1 living child  | ...                  | No                        | Positive   | L.               |  |
| 89       | M 4      | 1       | —   | ...                  | No                        | —          | L.               |  |
| 90       | M 8      | 3       | 2 living children   | ...                  | ?                         | —          | SB.              |  |
| 91       | M 15     | 3       | 2 living children   | ...                  | ?                         | ?          | L.               |  |
| 92       | M 17     | 1       | —   | ...                  | No                        | Negative   | L.               |  |
| 93       | M 19     | 1       | —   | ...                  | No                        | —          | L.               |  |
| 94       | M 29     | 1       | —   | ...                  | No                        | 1 in 2     | L.               | Husband Rh. positive. Child jaundiced.   |
| 95       | M 30     | 2       | 1 living child  | ...                  | No                        | —          | SB.              |  |
| 96       | M 31     | 1       | —   | ...                  | No                        | Negative   | L.               |  |
| 97       | M 40     | 2       | 1 living child  | ...                  | No                        | Positive   | L.               |  |
| 98       | M 42     | 1       | —   | ...                  | No                        | Positive   | L.               |  |
| 99       | M 46     | 2       | 1 living child  | ...                  | No                        | Positive   | L.               |  |



## RHESUS NEGATIVE MOTHERS—continued.

| Case No. | Reg. No. | Gravida | Previous Obstetric History                      | Previous Transfusion | Mother's Blood | Child Rh. | Results to Child | Remarks                                |
|----------|----------|---------|---|----------------------|----------------|-----------|------------------|--|
|          |          |         |   |                      | Anti-bodies    |           |                  |  |
| 100      | M 53     | 2       | 1 living child                                  | No                   | Absent         | Positive  | L.               |  |
| 101      | M 54     | 1       | —   | No                   | Not tested     | Positive  | L.               |  |
| 102      | M 64     | 2       | 1 living child                                  | No                   | Absent         | Positive  | L.               |  |
| 103      | M 68     | 2       | 1 living child                                  | No                   | Absent         | ?         | L.               |  |
| 104      | M 77     | 3       | 1 living child                                  | Yes                  | Absent         | Positive  | L.               |  |
| 105      | M 78     | 1       | —   | No                   | Absent         | Positive  | L.               |  |
| 106      | M 81     | 1       | —   | No                   | Absent         | Positive  | L.               |  |
| 107      | M 82     | 2       | 1 living child                                  | No                   | Absent         | ?         | L.               |  |
| 108      | M 83     | 4       | 3 living children                               | No                   | Absent         | ?         | L.               |  |
| 109      | M 85     | 2       | 1 abortion, 3 months                            | No                   | Absent         | Positive  | L.               |  |
| 110      | M 92     | 1       | —   | No                   | Absent         | ?         | L.               |  |
| 111      | M 96     | 1       | —   | No                   | Absent         | Negative  | L.               | Mild jaundice.                         |
| 112      | M110     | 2       | 1 living child                                  | No                   | Absent         | Positive  | L.               | Mild jaundice.                         |
| 113      | M115     | 3       | 1 living child                                  | No                   | Absent         | Negative  | L.               |  |
| 114      | M120     | 1       | —   | ?                    | Not tested     | Negative  | L.               |  |
| 115      | M123     | 2       | 1 abortion, 3 months                            | No                   | Absent         | Negative  | L.               |  |
| 116      | M132     | 2       | 1 living child                                  | No                   | Absent         | Positive  | L.               |  |
| 117      | M141     | 1       | —   | No                   | Absent         | Negative  | L.               |  |
| 118      | M144     | 1       | —   | No                   | Absent         | Positive  | L.               |  |
| 119      | M151     | 2       | 1 living child                                  | No                   | Absent         | —         | L.               |  |
| 120      | M153     | 2       | 1 living child                                  | No                   | Absent         | Negative  | L.               |  |
| 121      | M159     | 1       | —   | No                   | Absent         | Positive  | L.               |  |
| 122      | M175     | 2       | 1 living child                                  | No                   | 1 in 96        | Positive  | D.               | Transfused, icterus gravis.            |
| 123      | M179     | 1       | —   | No                   | Absent         | —         | L.               |  |
| 124      | M198     | 1       | —   | No                   | Absent         | Positive  | L.               |  |
| 125      | M216     | 4       | 2 abortions, 1 living child                     | No                   | Absent         | Positive  | L.               | Mild jaundice.                         |
| 126      | M224     | 2       | 1 living child                                  | No                   | Absent         | Positive  | L.               |  |
| 127      | M226     | 2       | 1 living child                                  | No                   | Absent         | Positive  | L.               |  |
| 128      | M231     | 2       | 1 living child                                  | No                   | Absent         | Negative  | L.               |  |
| 129      | M237     | 2       | Living twins                                    | No                   | Absent         | Positive  | L.               |  |
| 130      | M243     | 1       | —   | No                   | Absent         | Positive  | L.               |  |
| 131      | M250     | 1       | —   | No                   | Absent         | Positive  | D.               | Spina bifida.                          |
| 132      | M251     | 3       | 2 living children                               | No                   | Absent         | Negative  | L.               | Twins.                                 |
| 133      | M261     | 3       | 2 living children                               | No                   | Absent         | Negative  | L.               |  |
| 134      | M282     | 3       | 2 living children                               | No                   | Absent         | Positive  | L.               |  |
| 135      | M303     | 2       | 1 living child                                  | No                   | Absent         | Negative  | L.               |  |
| 136      | M308     | 1       | —   | No                   | Absent         | Positive  | L.               |  |
| 137      | M309     | 2       | 1 living child                                  | No                   | Absent         | Negative  | L.               |  |
| 138      | M317     | 1       | —   | No                   | Absent         | Positive  | L.               |  |
| 139      | M322     | 2       | 1 miscarriage, 9 weeks                          | No                   | Absent         | Negative  | L.               |  |
| 140      | M327     | 2       | 1 living child                                  | No                   | Absent         | Positive  | L.               |  |
| 141      | M328     | 1       | —   | No                   | Absent         | Positive  | L.               |  |
| 142      | M333     | 2       | 1 living child                                  | No                   | Absent         | Positive  | L.               |  |
| 143      | M336     | 1       | —   | No                   | Absent         | Negative  | L.               |  |
| 144      | M350     | 1       | —   | No                   | Absent         | Positive  | L.               |  |
| 145      | M371     | 2       | 1 living child                                  | No                   | Absent         | Negative  | L.               |  |
| 146      | M382     | 1       | —   | No                   | Absent         | Negative  | L.               |  |
| 147      | M389     | 3       | 1 abortion, 1 SB.                               | No                   | Absent         | Positive  | L.               |  |
| 148      | M395     | 1       | —   | No                   | Absent         | Positive  | L.               |  |
| 149      | M396     | 1       | —   | No                   | Absent         | Positive  | L.               |  |
| 150      | M412     | 2       | 1 living child                                  | No                   | Absent         | Positive  | L.               |  |
| 151      | M414     | 1       | —   | No                   | Absent         | Positive  | L.               |  |
| 152      | M418     | 1       | —   | No                   | Absent         | Negative  | L.               |  |
| 153      | M430     | 2       | Neonatal death                                  | No                   | Absent         | Negative  | L.               |  |
| 154      | M444     | 1       | —   | No                   | Absent         | Positive  | L.               |  |
| 155      | M460     | 1       | —   | No                   | Absent         | Positive  | L.               |  |
| 156      | M467     | 1       | —   | No                   | Absent         | Negative  | L.               |  |
| 157      | M473     | 2       | Mongol, died 6 months                           | No                   | Absent         | Positive  | L.               |  |
| 158      | M481     | 2       | 1 abortion, 2 months                            | No                   | Absent         | —         | L.               |  |
| 159      | M502     | 1       | —   | No                   | Absent         | Negative  | L.               |  |
| 160      | M506     | 1       | —   | No                   | Absent         | —         | L.               |  |
| 161      | M515     | 3       | First child lived. Twins died, jaundiced 3 days | No                   | 1 in 2         | Positive  | M.               | Hydrops foetalis. Atypical antibodies. |
| 162      | M521     | 1       | —   | No                   | Absent         | Positive  | L.               |  |
| 163      | M523     | 2       | 1 living child                                  | No                   | Absent         | Positive  | L.               | Severe jaundice. Coombs test—ve.       |
| 164      | M535     | 2       | 1 living child                                  | No                   | Absent         | Positive  | L.               |  |
| 165      | M536     | 1       | —   | No                   | Absent         | Negative  | L.               |  |
| 166      | M553     | 1       | —   | No                   | Absent         | Negative  | L.               |  |
| 167      | M556     | 2       | 1 living child                                  | No                   | 1 in 2         | Positive  | M.               | Hydrops foetalis.                      |
| 168      | M563     | 1       | —   | No                   | Absent         | Negative  | L.               |  |
| 169      | M573     | 3       | 2 living children                               | No                   | Absent         | Positive  | L.               |  |
| 170      | M576     | 2       | 1 living child                                  | No                   | Absent         | Positive  | L.               |  |
| 171      | M585     | 1       | —   | No                   | Absent         | Negative  | L.               |  |
| 172      | M602     | 3       | 2 abortions, 6 and 8 weeks                      | No                   | Absent         | Positive  | L.               |  |
| 173      | M606     | 1       | —   | No                   | Absent         | Negative  | L.               |  |
| 174      | M611     | 1       | —   | No                   | Absent         | Positive  | L.               |  |
| 175      | M615     | 2       | Abortion, 3 months                              | No                   | Absent         | Negative  | L.               |  |
| 176      | M635     | 3       | First child, second ectopic                     | Yes                  | Absent         | Positive  | L.               |  |
| 177      | M637     | 1       | —   | No                   | Absent         | Positive  | L.               |  |



## RHESUS NEGATIVE MOTHERS—continued.

| Case No.   | Reg. No. | Gravida | Previous Obstetric History       | Previous Transfusion | Mother's Blood Anti-bodies | Child Rh. | Results to Child | Remarks  |
|------------|----------|---------|----------------------------------|----------------------|----------------------------|-----------|------------------|--|
| 178        | M646     | 1       | —                                | No                   | Absent                     | Positive  | L.               |  |
| 179        | M657     | 1       | —                                | No                   | Absent                     | Positive  | L.               |  |
| 180        | M670     | 2       | 1 living child                   | No                   | Absent                     | Negative  | L.               |  |
| 181        | M673     | 2       | 1 abortion, 3 months             | No                   | Absent                     | Positive  | L.               |  |
| 182        | M689     | 2       | 1 living child                   | No                   | Absent                     | Positive  | L.               |  |
| 183        | M698     | 1       | —                                | No                   | Absent                     | Negative  | L.               |  |
| 184        | M708     | 3       | 2 living children                | No                   | 1 in 128                   | Positive  | L.               | Coombs' test positive repeatedly. Also had mild jaundice. Father Rh. pos., Group R <sub>1</sub> r. |
| 185        | M710     | 1       | —                                | No                   | Absent                     | Positive  | L.               |  |
| 186        | M711     | 3       | 2 living children                | Yes                  | Absent                     | Negative  | L.               |  |
| 187        | M713     | 1       | —                                | No                   | Absent                     | ?         | D.               | Cerebral hæmorrhage.   |
| 188        | M714A    | 2       | 1 living child                   | No                   | Absent                     | Positive  | L.               | Jaundice. Coombs' test positive.   |
| 189        | M716     | 1       | —                                | No                   | Absent                     | Positive  | L.               |  |
| 190        | M718     | 1       | —                                | No                   | Absent                     | Negative  | L.               |  |
| 191        | M726     | 1       | —                                | No                   | Absent                     | Positive  | L.               |  |
| 192        | M729     | 2       | 1 living child                   | No                   | Absent                     | Positive  | L.               |  |
| 193        | M749     | 1       | —                                | No                   | Absent                     | Positive  | L.               |  |
| 194        | M770     | 1       | —                                | No                   | Absent                     | Positive  | L.               |  |
| 195        | M777     | 1       | —                                | No                   | Absent                     | —         | L.               |  |
| 196        | M781     | 2       | 1 living child                   | No                   | Absent                     | Negative  | L.               |  |
| 197        | M792     | 2       | 1 living child                   | No                   | Absent                     | Negative  | L.               |  |
| 198        | M793     | 1       | —                                | No                   | Absent                     | Positive  | L.               |  |
| 199        | M794     | 2       | First child died, 10 months...   | No                   | Absent                     | Negative  | L.               |  |
| 200        | M795     | 1       | —                                | No                   | Absent                     | Positive  | L.               |  |
| 201        | M799     | 1       | —                                | No                   | Absent                     | Negative  | L.               |  |
| NON-BOOKED |          |         |                                  |                      |                            |           |                  |  |
| 202        | W158     | 7       | 6 living children                | —                    | —                          | Positive  | L.               |  |
| 203        | M651     | 2       | 1 living child                   | —                    | —                          | Negative  | SB.              |  |
| PRIVATE    |          |         |                                  |                      |                            |           |                  |  |
| 204        | W 96     | 4       | 3 abortions                      | No                   | —                          | Positive  | L.               |  |
| 205        | W362     | 2       | 1 living child                   | No                   | Absent                     | Positive  | L.               |  |
| 206        | M 69     | 3       | 2 stillbirths                    | ?                    | Absent                     | Negative  | L.               |  |
| 207        | M419     | 2       | Child died, spastic paraplegia   | —                    | 1 in 128                   | —         | M.               | Husband genotype R <sub>1</sub> R <sub>1</sub> .   |
| 208        | M462     | 1       | —                                | No                   | Absent                     | Positive  | SB.              | Fœtal distress during first stage of labour.   |
| 209        | M524     | 3       | 1 living child; twins miscarried | No                   | Absent                     | Negative  | L.               |  |
| 210        | M536     | 2       | 1 living child                   | No                   | —                          | Positive  | L.               |  |
| 211        | M784     | 1       | —                                | No                   | —                          | Positive  | L.               |  |
| 212        | M786     | 1       | —                                | No                   | —                          | Negative  | L.               |  |

## ANALGESIA AND ANÆSTHESIA

In the first stage of labour drugs have been fairly freely used. Patients in whom labour is likely to last more than twelve hours are given morphia gr.  $\frac{1}{4}$  or Heroin gr.  $\frac{1}{8}$ . When the first stage appears to have only a few hours to run, pethidine is given by intramuscular injection 100 mgms. This may be repeated three hours later if necessary.

In the second stage gas and air is given to all patients, although some do not obtain as much benefit as others. The Minnitt and Queen Charlotte's machines are used. In a few cases "trilene" (trichlorethylene) has been given using Friedman's inhaler.

For episiotomy and perineal repair, local anæsthesia has been used in all cases in which general anæsthesia had not already been needed for other procedures. One per cent procaine with a few drops of adrenalin solution was used to infiltrate the tissues.

For forceps delivery, in all except three cases, gas and oxygen with sometimes a little additional trilene, cyclopropane or ether were administered by the hospital anæsthetists; and the same agents were always employed for manual removal of the placenta. In the other three cases of forceps deliveries, local anæsthesia was employed, blocking off the vulval area with an infiltration of its borders and infiltrating the sensitive zone of the pelvic floor.

The choice of anæsthetic for Cæsarean Section depended on the patient's condition, both general and obstetric, and on the preference of the anæsthetist.

Of the thirty-two cases of Cæsarean Section, one was performed with the patient under gas and oxygen anæsthesia alone; in seven, ether was given as well; in thirteen the gas and oxygen was reinforced by cyclopropane, and in one by trilene. Open anæsthetics were not employed.

Ten patients had Cæsarean Section performed under spinal anæsthesia, and in this series local anæsthesia was not used.



## INDUCTION OF LABOUR

Labour was induced 76 times, of which 61 were Booked cases. The indications were: Toxaemia, 33 cases; previous large children, 9 cases; previous dystocia, 12 cases; unstable presentation, one case; Rh anti-bodies, 3 cases; breech presentation, one case; post-maturity, 6 cases; ante-partum haemorrhage, 2 cases; and miscellaneous, 9 cases. No mother died. In 61 Booked cases, 5 foetuses were stillborn and 2 died. In one Non-booked case the foetus was macerated; and in 14 Private cases all children lived. Total foetal and infant mortality was 10.5%.

The method of induction employed is the rupture of the forewaters with non-tooth artery forceps. Great care is taken not to introduce any antiseptic into the vagina, nor to cause any bleeding from the cervix, to avoid altering the normal bacterial flora of the vagina. Of the 76 patients, one had notifiable pyrexia during the puerperium.

| Case No.      | Reg. No. | Age | Grav. Maturity | Indication                 | Duration of labour<br>1st st. hr. min. 2nd st. hr. min. | Weight<br>lb. oz. | Length<br>in. | Circum.<br>Head in. | Result<br>M. C. | Hours<br>between<br>induction<br>and onset<br>of labour | Method             | Remarks   |
|---------------|----------|-----|----------------|----------------------------|---|-------------------|---------------|---------------------|-----------------|---|--------------------|---|
| <b>BOOKED</b> |          |     |                |                            |   |                   |               |                     |                 |   |                    |   |
| 1             | W 4      | 37  | 3              | Previous large babies      | 6 30 0 15   | 6 3               | 21            | 13½                 | L.              | 80  | A.R.M.             | ...   |
| 2             | W 6      | 22  | 1              | Albuminuria                | 8 10 0 5  | 3 6½              | 17            | 12                  | L.              | 70  | A.R.M.             | ...   |
| 3             | W 46     | 29  | 1              | Hypertension               | 32 0 1 25   | 9 2               | —             | —                   | L.              | 7   | A.R.M.             | ...   |
| 4             | W 62     | 39  | 3              | Previous large baby SB.    | 2 20 0 5  | 6 14              | 20½           | 14                  | L.              | 2   | A.R.M.             | ...   |
| 5             | W 68     | 39  | 3              | Previous large baby SB.    | 6 35 0 35   | 6 15              | 21            | 13½                 | L.              | 13½   | A.R.M.             | ...   |
| 6             | W 77     | 25  | 2              | Large child                | 5 0 0 5   | 9 13              | 22            | 15                  | L.              | 5½  | A.R.M.             | Previous large child.                           |
| 7             | W 83     | 25  | 1              | Albuminuria                | 27 15 0 40  | 8 2               | 21½           | 13½                 | L.              | 10  | A.R.M.             | ...   |
| 8             | W 99     | 24  | 1              | Albuminuria, A.P.H.        | 46 0 2 35   | 5 12              | 18            | 13½                 | L.              | 6   | A.R.M.             | Willett's forceps.<br>Previous forceps delivery |
| 9             | W 102    | 35  | 4              | Large children             | 7 10 0 20   | 6 8               | 20            | 13                  | L.              | 15  | A.R.M.             | ...   |
| 10            | W 113    | 38  | 2              | Albuminuria                | 12 40 0 50  | 6 15              | 21            | 14                  | L.              | 2½  | A.R.M.             | ...   |
| 11            | W 116    | 37  | 2              | Previous large child       | 3 20 0 10   | 8 12              | 22            | 14½                 | L.              | 5   | A.R.M.             | ...   |
| 12            | W 117    | 36  | 4              | Previous large children    | 6 50 0 25   | 7 15              | 20            | 14                  | L.              | 5   | A.R.M.             | ...   |
| 13            | W 122    | 31  | 1              | Albuminuria, breech        | 5 30 0 42   | 6 4               | 19½           | 14                  | L.              | 6½  | A.R.M.             | Failed version under<br>anaesthesia.            |
| 14            | W 141    | 39  | 3              | Albuminuria                | 8 5 0 15  | 7 8               | 20            | 14                  | L.              | 9   | A.R.M.             | ...   |
| 15            | W 188    | 34  | 1              | Hypertension, Maturity     | 14 50 4 35  | 8 6               | 22            | 14½                 | L.              | 1½  | A.R.M.             | ...   |
| 16            | W 234    | 24  | 1              | Hypertension, Maturity     | 8 45 1 20   | 7 13              | 21½           | 13½                 | L.              | 70½   | A.R.M.             | ...   |
| 17            | W 236    | 23  | 2              | Previous large child       | 3 25 0 28   | 9 3               | 20½           | 14½                 | L.              | 26  | A.R.M.             | ...   |
| 18            | W 251    | 38  | 2              | Previous large child       | 6 15 0 50   | 8 14              | 22            | 14½                 | L.              | 5½  | A.R.M.             | ...   |
| 19            | W 275    | 26  | 2              | Previous dystocia          | 8 10 0 15   | 7 1               | 20            | 13                  | L.              | 4   | A.R.M.             | ...   |
| 20            | W 276    | 29  | 2              | Albuminuria                | 52 45 9 10  | 4 0               | 17            | 12½                 | L.              | 95  | A.R.M.             | ...   |
| 21            | W 296    | 21  | 2              | Albuminuria                | 15 30 0 15  | 4 14              | 19            | 11                  | L.              | 20  | A.R.M.             | Rh negative. Previous<br>SB.                    |
| 22            | W 333    | 35  | 2              | Post-maturity              | 4 0 1 35  | 5 3½              | 18½           | 13½                 | L.              | 2   | A.R.M.             | ...   |
| 23            | W 341    | 39  | 4              | Previous dystocia          | 4 35 0 12   | 8 12              | 21            | 13½                 | L.              | 53  | A.R.M.             | ...   |
| 24            | W 472    | 32  | 1              | Albuminuria                | 12 55 0 27  | 5 10              | 19            | 13½                 | L.              | 7   | A.R.M.             | ...   |
| 25            | W 475    | 30  | 1              | Post-maturity              | 9 10 1 10   | 8 13              | 22            | 14                  | L.              | 12  | A.R.M.             | ...   |
| 26            | W 495    | 37  | 2              | Overdue, Previous dystocia | 7 5 0 30  | 7 12              | 21            | 14                  | L.              | 2 min.  | A.R.M.             | ...   |
| 27            | W 497    | 26  | 1              | Albuminuria                | 5 25 4 35   | 5 11              | 19½           | 14½                 | L.              | 45  | A.R.M.             | ...   |
| 28            | W 502    | 19  | 1              | Anencephaly                | 25 55 0 30  | 2 8               | —             | —                   | L.              | 20½   | A.R.M.             | ...   |
| 29            | M 2      | 26  | 1              | Intra-uterine death        | 15 0 0 50   | —                 | —             | —                   | L.              | 11 days   | Drugs              | ...   |
| 30            | M 74     | 21  | 1              | Hypertension               | 8 0 0 50  | 6 5               | 21            | 13½                 | L.              | 3   | A.R.M.             | ...   |
| 31            | M 75     | 30  | 2              | Hypertension               | 4 0 0 30  | 8 0               | 21            | 14                  | L.              | 7   | A.R.M.             | ...   |
| 32            | M 148    | 31  | 2              | Lateral placenta praevia   | 12 5 0 30   | 8 8               | 20            | 14                  | L.              | 5   | A.R.M.             | ...   |
| 33            | M 175    | 29  | 2              | Rh anti-bodies             | 4 0 0 25  | 7 12              | —             | —                   | L.              | 3½  | A.R.M.             | Child transfused.<br>Previous SB.               |
| 34            | M 214    | 30  | 2              | Unstable presentation      | 7 25 1 15   | 7 15              | 21            | 14                  | L.              | 31½   | A.R.M.             | ...   |
| 35            | M 251    | 32  | 3              | Albuminuria                | 2 0 0 25  | 5 11              | 19            | 13                  | L.              | 10 min.   | A.R.M.             | ...   |
| 36            | M 259    | 29  | 4              | Maturity                   | 4 40 1 0  | 6 10              | 20            | 13                  | L.              | 30 min.   | A.R.M.             | ...   |
| 37            | M 264    | 25  | 1              | Hypertension               | 24 30 1 20  | 7 0               | 20            | 13½                 | L.              | 2   | A.R.M.             | ...   |
| 38            | M 269    | 28  | 2              | ? Disproportion            | 9 35 0 30   | 8 8               | 21½           | 13½                 | L.              | —   | A.R.M.             | Previous large child.                           |
| 39            | M 309    | 26  | 2              | Albuminuria                | 1 30 0 15   | 6 3               | 21            | 13½                 | L.              | 2   | A.R.M.             | ...   |
| 40            | M 335    | 34  | 4              | Previous large babies      | 8 0 0 25  | 7 8               | 20            | 14                  | L.              | 6 days  | A.R.M. and pitocin | ...   |

## INDUCTION OF LABOUR—continued

| Case No.   | Reg. No. | Age | Grav. Matur-ity | Indication | Duration of labour<br>1st st. hr. min. 2nd st. hr. min. | Weight<br>lb. oz. | Child<br>Length<br>in. | Circum.<br>Head<br>in. | Result<br>M. C. | Hours<br>between<br>induction<br>and onset<br>of labour | Method                | Remarks                            |
|------------|----------|-----|-----------------|------------|---|-------------------|------------------------|------------------------|-----------------|---|-----------------------|------------------------------------|
| 41         | M358     | 25  | 1               | 40         | Albuminuria   | 10 0 3 25         | 7 4                    | 19½                    | 15              | L.  | A.R.M.                | ...                                |
| 42         | M377     | 24  | 3               | 40         | Previous quick labours; lived far away                  | 1 10 0 15         | 8 3                    | —                      | —               | L.  | A.R.M.                | ...                                |
| 43         | M387     | 43  | 4               | 38         | Albuminuria   | 2 5 0 5           | 6 0                    | 20                     | 14              | L.  | A.R.M.                | ...                                |
| 44         | M413     | 23  | 1               | 39         | Albuminuria   | 19 0 1 15         | 7 8                    | 20                     | 14              | L.  | A.R.M.                | ...                                |
| 45         | M415     | 27  | 3               | 43         | Overdue   | 3 30 0 50         | 6 6                    | 20½                    | 13              | L.  | A.R.M.                | ...                                |
| 46         | M422     | 24  | 1               | 35         | Albuminuria   | 5 25 0 35         | 5 3                    | 19½                    | 13              | L.  | A.R.M.                | ...                                |
| 47         | M461     | 31  | 2               | 38         | Contracted pelvis. Previous dys-tocia                   | 7 25 0 15         | 6 4                    | 19½                    | 13½             | L.  | A.R.M.                | ...                                |
| 48         | M467     | 26  | 1               | 38         | Albuminuria   | 15 15 0 35        | 5 5                    | 19                     | 12½             | L.  | A.R.M.                | Mitral stenosi.                    |
| 49         | M476     | 23  | 1               | 45         | Post-maturity   | 10 30 1 10        | 8 0                    | 21                     | 14½             | L.  | A.R.M.                | ...                                |
| 50         | M479     | 34  | 3               | 38         | Previous large children                                 | 3 45 0 20         | 7 11                   | 20½                    | 14              | L.  | A.R.M.                | ...                                |
| 51         | M523     | 22  | 2               | 40         | Previous dystocia                                       | 2 55 0 30         | 7 9½                   | 22                     | 13              | L.  | A.R.M.                | ...                                |
| 52         | M525     | 21  | 1               | 38         | Albuminuria   | 7 0 0 58          | 6 11                   | 20                     | 13              | L.  | A.R.M.                | ...                                |
| 53         | M556     | 28  | 2               | 37         | Rh anti-bodies  | 18 30 1 0         | 8 0                    | —                      | —               | L.  | A.R.M.                | Hydrops foetalis.                  |
| 54         | M587     | 25  | 2               | 37         | Previous dystocia                                       | 39 10 0 5         | 6 15                   | 20                     | 13              | L.  | A.R.M.                | ...                                |
| 55         | M605     | 27  | 2               | 37         | Previous large child SB.                                | 54 35 0 5         | 7 6                    | 20½                    | 13              | L.  | A.R.M.                | P.P.H.                             |
| 56         | M612     | 35  | 1               | 37         | Albuminuria   | 94 10 —           | 7 7                    | —                      | —               | L.  | A.R.M.                | Cesarean Section.                  |
| 57         | M635     | 31  | 3               | 42         | Albuminuria   | 3 45 0 40         | 7 12                   | 22                     | 13½             | L.  | A.R.M.                | ...                                |
| 58         | M696     | 32  | 1               | 40         | Albuminuria   | 17 55 0 30        | 5 11                   | 19½                    | 13              | L.  | A.R.M.                | ...                                |
| 59         | M708     | 32  | 3               | 38         | Rh anti-bodies  | 3 30 0 15         | 7 12                   | 21                     | 13½             | L.  | A.R.M.                | ...                                |
| 60         | M713     | 28  | 1               | 34         | Albuminuria   | Total 11 hours    | 3 9                    | —                      | —               | L.  | A.R.M.                | ...                                |
| 61         | M727     | 20  | 1               | 42         | Hypertension  | 16 15 1 0         | 5 11                   | 17                     | 12½             | L.  | A.R.M.                | ...                                |
| NON-BOOKED |          |     |                 |            |   |                   |                        |                        |                 |   |                       |                                    |
| 62         | M217     | 27  | 1               | 34         | A.P.H., foetal death                                    | 1 15 0 20         | 4 1                    | 16½                    | —               | L.  | A.R.M.                | ...                                |
| PRIVATE    |          |     |                 |            |   |                   |                        |                        |                 |   |                       |                                    |
| 63         | W339     | 25  | 2               | 42         | Overdue. Previous forceps.                              | 2 30 1 50         | 10 4                   | 23                     | 16½             | L.  | Ol. Ric. Pitocin      | ...                                |
| 64         | M 66     | 22  | 1               | 45         | Overdue   | 23 45 1 0         | 5 13                   | 19                     | —               | L.  | A.R.M.                | ...                                |
| 65         | M 69     | 33  | 3               | 40         | Two previous stillbirths                                | 8 days            | 5 15                   | —                      | —               | L.  | A.R.M.                | Cesarean Section eight days later. |
| 66         | M410     | 36  | 2               | 38         | Previous dystocia                                       | —                 | 7 0                    | 20                     | 14              | L.  | Stillboosterol        | Cesarean Section.                  |
| 67         | M411     | 31  | 2               | 39         | Social reasons  | 38 50 0 20        | 7 4                    | 22                     | 14              | L.  | A.R.M.                | ...                                |
| 68         | M494     | 31  | 4               | 36         | Albuminuria   | 6 10 0 15         | 4 2                    | —                      | —               | L.  | A.R.M.                | ...                                |
| 69         | M524     | 33  | 3               | 38         | Previous dystocia                                       | 6 15 1 30         | 7 14                   | 21                     | 14              | L.  | A.R.M.                | ...                                |
| 70         | M528     | 32  | 2               | 36         | Albuminuria   | 6 20 0 18         | 5 13                   | 18½                    | 13½             | L.  | A.R.M. and Pitocin    | Twins.                             |
| 71         | M532     | 22  | 1               | 36         | Albuminuria   | 29 55 1 5         | 5 0                    | 18                     | 13½             | L.  | A.R.M.                | ...                                |
| 72         | M536     | 37  | 2               | 38         | Breech  | 5 20 1 30         | 7 5                    | —                      | —               | L.  | A.R.M.                | ...                                |
| 73         | M649     | 31  | 2               | 40         | Mental depression                                       | 3 55 0 15         | 7 5                    | 20                     | 14              | L.  | Pitocin               | Under psychiatrist's supervision.  |
| 74         | M674     | 21  | 1               | 41         | Post-mature   | 4 45 2 35         | 11 4                   | 24                     | 16              | L.  | Pitocin               | ...                                |
| 75         | M740     | 32  | 2               | 42         | Albuminuria   | 7 30 0 45         | 7 3                    | 22                     | 13½             | L.  | A.R.M.                | ...                                |
| 76         | M750     | 33  | 1               | 41         | Psychological reasons                                   | 15 0 1 40         | 7 8                    | 21                     | 14              | L.  | Pitocin; later A.R.M. | ...                                |



## FORCEPS DELIVERY

Forceps were applied 55 times in 53 cases (two sets of twins). (34 Booked, 1 Non-booked and 18 Private Cases)

Forceps were not employed for any patient in whom labour had been induced. There was not any maternal death. In 34 Booked cases there were five stillbirths and two infants died, an infant mortality of 19 per cent. In the Non-booked and Private cases there was no infant mortality. The total foetal and infant mortality in forceps cases was 13 per cent.

|                                  | Booked | Non-booked | Private | Total    |
|----------------------------------|--------|------------|---------|----------|
| Disproportion ... ..             | 0      | 0          | 0       | 0        |
| Rigid soft parts ... ..          | 2      | 0          | 0       | 2        |
| Posterior position, delay ... .. | 20     | 1          | 10      | 31       |
| Foetal distress ... ..           | 11     | 0          | 5       | 16       |
| Primary uterine inertia ... ..   | 1      | 0          | 1       | 2        |
| Severe toxæmia ... ..            | 1      | 0          | 0       | 1        |
| Maternal distress... ..          | 1      | 0          | 1       | 2        |
| Indication not recorded ... ..   | 0      | 0          | 1       | 1        |
|                                  |        |            |         | <hr/> 55 |

# DETAILS OF FORCEPS CASES

53 Cases (2 cases of twins)

| Case No. | Reg. No. | Age | Grav. idia | Matur-ity | Indication  | Int. Spin. | Int. Crist. | Ext. Conj. | Trans. Outlet | Duration of labour | Child Weight | Length  | Result | Remarks | Episiotomy or Tear   |
|----------|----------|-----|------------|-----------|---|------------|-------------|------------|---------------|--------------------|--------------|---------|--------|---------|--|
|          |          |     |            |           |   |            |             |            | Knuckles      | 1st st.            | 2nd st.      | lb. oz. | in.    |         |  |
| 1        | W 35     | 36  | 1          | 43        | Foral distress ...                                    | ...        | 11          | 7½         | P.N.F.        | 4                  | 72 50        | 0 10    | 10 0   | L. SB.  | Epis.  |
| 2        | W 45     | 28  | 1          | 42        | Transverse arrest                                     | ...        | 11          | 7½         | P.N.F.        | 4                  | 28 0         | 2 23    | 7 13   | L. L.   | Spontaneous rotation from L.O.P.                           |
| 3        | W 48     | 37  | 1          | 41        | Rigid soft parts                                      | ...        | 10          | 8          | P.N.F.        | 4                  | 24 0         | 5 10    | 7 10   | L. L.   | Forceps rotation. Manual removal placenta                  |
| 4        | W 172    | 26  | 1          | 42        | Delay. P.O.P.   | ...        | 9½          | 8          | —             | —                  | 16 55        | 3 42    | 8 5    | L. L.   | Delivered face to pubes                                    |
| 5        | W 173    | 31  | 1          | 40        | Delay. P.O.P.   | ...        | 10½         | 8½         | 4½            | —                  | 9 15         | 3 20    | 8 10   | L. L.   | Forceps rotation   |
| 6        | W 188    | 34  | 1          | 40        | Delay. P.O.P. Maternal distress                       | 10½        | 12          | 8½         | P.N.F.        | 4                  | 14 50        | 4 35    | 8 6    | L. L.   | Manual rotation  |
| 7        | W 241    | 34  | 2          | 40        | Delay. P.O.P.   | ...        | 10          | 7½         | P.N.F.        | 4                  | 8 45         | 6 25    | 8 13   | L. L.   | Forceps rotation. A.P.H.                                   |
| 8        | W 276    | 29  | 2          | 36        | Delay and prolapse of cord. Delay and pro-lapsed hand | 11½        | 11½         | 8½         | —             | —                  | 52 45        | 9 10    | 4 7    | L. L.   | Twins  |
| 9        | W 368    | 25  | 1          | 43        | Foral distress  | ...        | 9½          | 7½         | —             | —                  | 48 5         | 2 45    | 7 5    | L. L.   | P.P.H.   |
| 10       | W 374    | 38  | 1          | 40        | Maternal and foetal distress                          | 8½         | 10½         | 7½         | P.N.F.        | 4                  | 38 0         | 3 3     | 6 9    | L. L.   | —  |
| 11       | W 383    | 27  | 1          | 43        | Delay   | ...        | 9½          | 8          | —             | —                  | 49 50        | 4 45    | 7 6    | L. L.   | —  |
| 12       | W 403    | 18  | 1          | 41        | Eclampsia   | ...        | 10          | 8½         | 5             | 4                  | 16 45        | 1 45    | 9 2    | L. L.   | P.P.H.   |
| 13       | W 451    | 36  | 2          | 41        | Delay   | ...        | 9½          | 7½         | 5             | —                  | 12 0         | 2 50    | 7 4    | L. L.   | Cord tightly round neck                                    |
| 14       | W 454    | 43  | 1          | 36        | Delay. Maternal distress                              | 11½        | 12½         | 8½         | P.N.F.        | 3                  | 69 0         | 7 50    | 4 15   | L. D.   | Intra-partum hemorrhage. 2nd twin delivered 3½ hours later |
| 15       | W 455    | 41  | 4          | 42        | Foral distress  | ...        | 9½          | 7½         | 5             | 3                  | 14 40        | 2 10    | 7 0    | L. SB.  | —  |
| 16       | W 481    | 22  | 1          | 43        | Foral distress  | ...        | 10½         | 8          | P.N.F.        | 4                  | 9 45         | 2 10    | 7 0    | L. SB.  | —  |
| 17       | W 492    | 26  | 1          | 41        | Foral distress  | ...        | 9           | 6½         | 4½            | 4                  | 15 20        | 1 40    | 6 12   | L. L.   | Occipito posterior. Spon-                                  |
| 18       | W 496    | 31  | 1          | 41        | Foral distress  | ...        | 10½         | 7½         | P.N.F.        | 4                  | 15 0         | 1 45    | 8 4    | L. L.   | taneous rotation   |
| 19       | W 497    | 26  | 1          | 41        | Delay   | ...        | 9½          | 8          | 4+            | —                  | 5 25         | 4 35    | 5 11   | L. L.   | Asphyxia pallida   |
| 20       | W 510    | 34  | 1          | 42        | Delay. Transverse arrest                              | 10½        | 10½         | 7½         | P.N.F.        | 4                  | 17 0         | 6 5     | 7 4    | L. SB.  | Intra-uterine death  |
| 21       | M 7      | 19  | 1          | 40        | Foral distress  | ...        | 9½          | 7½         | —             | —                  | 131 30       | 1 45    | 7 12   | L. L.   | Secondary inertia  |
| 22       | M 107    | 29  | 2          | 40        | Maternal distress                                     | ...        | 9½          | 7½         | —             | —                  | 19 45        | 2 30    | 7 10   | L. L.   | Head too low to rotate                                     |
| 23       | M 123    | 36  | 2          | 39        | Rigid soft parts. Maternal distress                   | 9½         | 11½         | 8½         | —             | —                  | 5 35         | 2 45    | 9 0    | L. L.   | —  |
| 24       | M 175    | 31  | 1          | 44        | Delay. Foral distress                                 | 10         | 11½         | 8          | —             | —                  | 19 45        | 4 20    | 8 12   | L. L.   | —  |
| 25       | M 185    | 34  | 1          | 42        | Delay. Foral distress                                 | 11         | 12          | 7½         | —             | —                  | 78 45        | 3 15    | 7 2    | L. L.   | —  |
| 26       | M 243    | 33  | 1          | 43        | Deep transverse arrest                                | 10½        | 11½         | 8½         | —             | —                  | 40 20        | 8 10    | 6 9    | L. L.   | —  |
| 27       | M 310    | 29  | 1          | 41        | Delay. P.O.P.   | ...        | 10          | 7½         | —             | —                  | 12 15        | 3 50    | 8 0    | L. L.   | Notifiable pyrexia   |
| 28       | M 363    | 36  | 1          | 43        | Delay   | ...        | 10          | 7½         | —             | —                  | 25 0         | 3 25    | 8 12   | L. L.   | —  |
| 29       | M 483    | 26  | 1          | 40        | Delay   | ...        | 10½         | 8½         | —             | —                  | 28 0         | 3 45    | 8 2    | L. L.   | —  |
| 30       | M 517    | 24  | 1          | 42        | Delay   | ...        | 10½         | 8½         | —             | —                  | 10 45        | 3 0     | 9 7    | L. L.   | —  |
| 31       | M 621    | 38  | 2          | 41        | Primary inertia. P.O.P.                               | 10         | 11          | 8½         | P.N.F.        | 4                  | 81 30        | 4 30    | 7 3    | L. L.   | Previous pregnancy aborted                                 |
| 32       | M 663    | 25  | 1          | 41        | Delay. P.O.P.   | ...        | 10          | 7½         | 5             | —                  | 5 0          | 4 0     | 6 11   | L. L.   | —  |
| 33       | M 672    | 34  | 1          | 36        | Maternal distress                                     | ...        | 9½          | 7½         | —             | —                  | 34 30        | 1 47    | 7 1    | L. L.   | Rheumatic heart  |
| 34       | M 777    | 23  | 1          | 43        | Foral distress  | ...        | 8½          | 8½         | P.N.F.        | 4                  | 33 0         | 2 40    | 6 5    | L. L.   | —  |



# DETAILS OF FORCEPS CASES—continued

| Case No.   | Reg. No. | Age | Grav. | Matur-ity | Indication                   | Int. Spin. | Int. Crist. | Ext. Conj. | D.C.   | Trans. Outlet Knuckles | Duration of labour 1st st. 2nd st. | Weight lb. oz. | Child Length in. | Result M. C. | Remarks                          | Episiotomy or Tear |
|------------|----------|-----|-------|-----------|------------------------------|------------|-------------|------------|--------|------------------------|------------------------------------|----------------|------------------|--------------|----------------------------------|--------------------|
| NON-BOOKED |          |     |       |           |                              |            |             |            |        |                        |                                    |                |                  |              |                                  |                    |
| 35         | M331     | 42  | 1     | 40        | P.O.P.                       | ...        | —           | —          | —      | —                      | 16 30                              | 0 20           | 7 6              | L.           | Kielland's rotation ...          | Epis.              |
| PRIVATE    |          |     |       |           |                              |            |             |            |        |                        |                                    |                |                  |              |                                  |                    |
| 36         | W170     | 31  | 1     | 41        | Delay ...                    | ...        | —           | —          | —      | —                      | 53 15                              | 3 15           | 9 2              | L.           | Manual rotation                  | Epis.              |
| 37         | W205     | 24  | 1     | 41        | Transverse arrest            | ...        | 10½         | 8½         | —      | 3                      | 22 30                              | 2 30           | 7 1              | L.           | Previous pregnancy aborted       | Tear.              |
| 38         | W311     | 31  | 2     | 41        | Delay ...                    | ...        | —           | —          | —      | —                      | 55 30                              | 4 10           | 7 14             | L.           | —                                | Epis.              |
| 39         | W316     | 28  | 1     | 40        | Delay ...                    | ...        | —           | —          | —      | —                      | 29 15                              | 1 50           | 9 14             | L.           | Blue asphyxia                    | Epis.              |
| 40         | W339     | 25  | 2     | 42        | Delay. Disproportion ...     | ...        | —           | —          | —      | —                      | 2 30                               | 2 15           | 7 1              | L.           | Tear.                            | Epis.              |
| 41         | W530     | 37  | 1     | 39        | Maternal distress. Delay     | ...        | —           | —          | —      | —                      | 21 0                               | 2 15           | 7 1              | L.           | Spontaneous rotation from L.O.P. | Epis.              |
| 42         | M423     | 37  | 2     | 41        | Delay. Foetal distress       | ...        | —           | —          | —      | —                      | 11 0                               | 3 15           | 8 12½            | L.           | —                                | Epis.              |
| 43         | M488     | 34  | 1     | 40        | Primary inertia              | ...        | 8½          | 7½         | P.N.F. | 3                      | 63 20                              | 0 10           | 7 12             | L.           | Trial labour                     | Epis.              |
| 44         | M547     | 36  | 1     | 40        | Maternal and foetal distress | ...        | —           | —          | —      | —                      | 3 10                               | 2 15           | 7 2              | L.           | —                                | Epis.              |
| 45         | M599     | 36  | 3     | 41        | Delay. Persistent posterior  | ...        | —           | —          | —      | —                      | 19 15                              | 0 55           | 9 11             | L.           | —                                | Tear.              |
| 46         | M600     | 32  | 1     | 40        | Delay. Transverse arrest     | ...        | —           | —          | —      | —                      | 24 45                              | 3 30           | 7 10             | L.           | —                                | Tear               |
| 47         | M608     | 40  | 4     | 40        | Delay ...                    | ...        | —           | —          | —      | —                      | 2 25                               | 1 30           | 7 4              | L.           | —                                | —                  |
| 48         | M616     | 36  | 1     | 42        | Foetal distress              | ...        | —           | —          | —      | —                      | 33 10                              | 0 55           | 8 10             | L.           | Epis.                            | Epis.              |
| 49         | M630     | 33  | 1     | 43        | Transverse arrest            | ...        | —           | —          | —      | —                      | 22 35                              | 2 45           | 7 10             | L.           | —                                | Tear.              |
| 50         | M634     | 31  | 4     | 40        | Not recorded                 | ...        | —           | —          | —      | —                      | 5 20                               | 0 15           | 8 0              | L.           | —                                | —                  |
| 51         | M660     | 34  | 3     | 36        | Foetal and maternal distress | ...        | —           | —          | —      | —                      | 12 15                              | 0 45           | 4 8              | L.           | —                                | Epis.              |
| 52         | M739     | 25  | 1     | 42        | P.O.P.                       | ...        | —           | —          | —      | —                      | 18 45                              | 2 0            | 7 8              | L.           | —                                | Epis.              |
| 53         | M787     | 23  | 1     | 41        | Foetal distress              | ...        | —           | —          | —      | —                      | 21 30                              | 1 35           | 6 8              | L.           | —                                | Epis.              |

## CÆSAREAN SECTION

32 Cases

No mother died. One infant died, a fetal mortality of 3%.

| Case No. | Reg. No. | Age | Grav. id. | Matur-ity | Indication                                  | Int. Spin. | Int. Cris. | Ext. Conj. | D.C.   | Trans. Duration of labour |          | Child Length of Head | Circum. M. | Result C. | Trial Labour | Type of Operation | Remarks                            |
|----------|----------|-----|-----------|-----------|---|------------|------------|------------|--------|---------------------------|----------|----------------------|------------|-----------|--------------|-------------------|------------------------------------|
|          |          |     |           |           |   |            |            |            |        | 1st st.                   | 2nd st.  |                      |            |           |              |                   |                                    |
|          |          |     |           |           |   |            |            |            |        | hr. min.                  | hr. min. | in.                  |            |           |              |                   |                                    |
| 1        | W 32     | 38  | 3         | 36        | Placenta previa                             | 11½        | 12½        | —          | P.N.F. | —                         | —        | 5 12                 | 12         | L.        | No           | Lower segment     | E.U.A.                             |
| 2        | W 92     | 36  | 2         | 40        | Disproportion ...                           | 10½        | 11½        | 7½         | 4½     | —                         | 4 40     | 9 0                  | 14         | L.        | Yes          | Lower segment     | Sterilised.                        |
| 3        | W 244    | 21  | 1         | 41        | Disproportion ...                           | 9½         | 10½        | 7          | 4½     | —                         | 7 10     | 7 10                 | 13         | L.        | Yes          | Lower segment     |                                    |
| 4        | W 263    | 36  | 3         | 31        | Placenta previa                             | 11½        | 12½        | —          | —      | —                         | —        | 4 14                 | 17½        | L.        | No           | Lower segment     |                                    |
| 5        | W 303    | 31  | 2         | 40        | Contracted pelvis                           | 9½         | 10½        | 7½         | P.N.F. | 2½                        | —        | 7 0                  | 19½        | L.        | No           | Lower segment     |                                    |
| 6        | W 349    | 41  | 1         | 42        | Disproportion. Fetal distress               | 10½        | 11         | 7½         | —      | —                         | 4 55     | 8 13                 | 20         | L.        | Yes          | Classical         |                                    |
| 7        | W 501    | 28  | 1         | 40        | Breech. Failed version, contracted outlet   | 10½        | 11½        | 8½         | P.N.F. | 3                         | —        | 8 7                  | 22         | L.        | No           | Lower segment     | Uterus bi-cornis uni-collis.       |
| 8        | M 58     | 30  | 2         | 41        | Ovarian cyst. Contracted pelvis             | 9½         | 11         | 8½         | 4½     | 3                         | —        | 5 12                 | 18         | L.        | No           | Lower segment     | Dermoid removed.                   |
| 9        | M 136    | 38  | 1         | 40        | Breech. Failed version, Pelvic tumour       | 9½         | 11½        | 7½         | —      | —                         | —        | 8 15                 | 20         | L.        | No           | Lower segment     | Fibroid removed.                   |
| 10       | M 242    | 37  | 2         | 43        | Disproportion ...                           | 10½        | 11½        | 7½         | —      | —                         | 12 0     | 9 4                  | 21½        | L.        | Yes          | Lower segment     | Previous abortion.                 |
| 11       | M 261    | 41  | 3         | 36        | Placenta previa                             | 11½        | 12½        | —          | —      | —                         | —        | 5 10                 | 20         | L.        | No           | Lower segment     |                                    |
| 12       | M 385    | 30  | 3         | 40        | Breech. Failed version, Contracted outlet   | 10         | 11         | 7½         | P.N.F. | 3                         | 9 0      | 6 12                 | 21         | L.        | No           | Lower segment     | No living child.                   |
| 13       | M 426    | 33  | 1         | 40        | Breech. Failed version, Contracted outlet   | 9½         | 10½        | 8          | 4½     | 3                         | —        | 8 0                  | 20         | L.        | No           | Lower segment     | A.P.H.                             |
| 14       | M 460    | 25  | 1         | 34        | Placenta previa                             | 9½         | 11½        | 7½         | —      | —                         | —        | 4 0                  | 16         | L.        | No           | Lower segment     | Breech.                            |
| 15       | M 581    | 36  | 1         | 36        | Cord presentation                           | 9          | 10½        | 7½         | 4½     | 4                         | —        | 4 12                 | 18½        | L.        | No           | Lower segment     | Toxæmia.                           |
| 16       | M 612    | 35  | 1         | 37        | Primary inertia. Albuminuria                | 10         | 11         | 8½         | P.N.F. | 4                         | 94 10    | 7 7                  | —          | L.        | Yes          | Lower segment     | Severe toxæmia.                    |
| 17       | M 619    | 29  | 2         | 40        | R.O.P. Trial labour. Previous Cæsar section | 8½         | 10½        | 7½         | 5      | 3                         | 11 0     | 8 10                 | 22         | L.        | Yes          | Lower segment     | Severe toxæmia.                    |
| 18       | M 628    | 26  | 1         | 40        | Disproportion ...                           | 9½         | 10½        | 7½         | 4      | 4                         | 28 0     | 6 11                 | 21         | L.        | Yes          | Lower segment     | Married 12 years. No living child. |
| 19       | M 636    | 33  | 2         | 40        | Breech presentation. Failed version         | 9½         | 10½        | 8½         | —      | —                         | 6 0      | 7 4                  | 21         | L.        | No           | Lower segment     |                                    |
| 20       | W 312    | 33  | 2         | 40        | Contracted outlet. Previous C.S.            | —          | —          | —          | —      | —                         | —        | 8 0                  | 21½        | L.        | No           | Lower segment     |                                    |
| 21       | M 487    | 23  | 1         | 42        | Primary inertia                             | —          | —          | —          | —      | —                         | 61 30*   | 8 14                 | 23         | L.        | No           | Lower segment     |                                    |
| 22       | W 96     | 43  | 4         | 40        | No living child                             | —          | —          | —          | —      | —                         | —        | 7 4                  | 22         | L.        | No           | Lower segment     | Sterilised.                        |
| 23       | W 180    | 26  | 5         | 40        | Previous Cæsar section                      | —          | —          | —          | —      | —                         | —        | 6 3                  | 21         | L.        | No           | Classical         |                                    |
| 24       | W 243    | 31  | 1         | 38        | Breech. Narrow outlet                       | —          | —          | —          | —      | —                         | —        | 6 2                  | 21         | L.        | No           | Lower segment     | Version failed.                    |
| 25       | M 69     | 33  | 3         | 40        | Absolute primary inertia                    | —          | —          | —          | —      | —                         | 8 days   | 5 15                 | 19         | L.        | Yes          | Lower segment     | Two previous SB.                   |
| 26       | M 191    | 29  | 1         | 40        | Disproportion ...                           | —          | —          | —          | —      | —                         | —        | 9 7                  | 21         | L.        | No           | Lower segment     | Previous child died.               |
| 27       | M 354    | 41  | 2         | 40        | Contracted pelvis                           | —          | —          | —          | —      | —                         | —        | 5 8                  | 19         | L.        | No           | Lower segment     | Failed medical induction.          |
| 28       | M 410    | 36  | 2         | 38        | Disproportion. Previous dystocia            | —          | —          | —          | —      | —                         | —        | 7 0                  | 20         | L.        | No           | Lower segment     |                                    |
| 29       | M 545    | 33  | 1         | 42        | Fetal distress. Face presentation           | —          | —          | —          | —      | —                         | 32 45    | 7 4                  | 20½        | L.        | Yes          | Classical         |                                    |
| 30       | M 618    | 35  | 1         | 44        | Placenta previa                             | —          | —          | —          | —      | —                         | 4 0      | 7 13                 | 22         | L.        | No           | Lower segment     |                                    |
| 31       | M 779    | 42  | 3         | 36        | Placenta previa                             | —          | —          | —          | —      | —                         | —        | 8 0                  | 22         | L.        | No           | Lower segment     |                                    |
| 32       | M 784    | 26  | 1         | 39        | Albuminuria. Breech                         | —          | —          | —          | —      | —                         | —        | 6 1                  | —          | L.        | No           | Lower segment     |                                    |



## BIPOLAR AND INTERNAL VERSION

3 Cases

No mother and no fetus died.

| Case No. | Reg. No. | Age | Grav. id. | Matur. ity | Indication          | Variety  | Weight of Child lb. oz. | Result M. C. | Remarks |
|----------|----------|-----|-----------|------------|---------------------|----------|-------------------------|--------------|---------|
| BOOKED   |          |     |           |            |                     |          |                         |              |         |
| 1        | W323     | 32  | 2         | 37         | Breech, second twin | Bi-polar | 5 8                     | L.           |         |
| 2        | W328     | 38  | 1         | 40         | Breech, second twin | Bi-polar | 6 7                     | L.           |         |
| 3        | M766     | 31  | 1         | 39         | Breech, second twin | Bi-polar | 7 9                     | L.           |         |

## EMBRYOTOMY

No case

## BLOOD TRANSFUSION

45 Cases. One Mother died.

49 Blood transfusions were performed, including one for an infant suffering from erythroblastosis, who died. The indications for 48 transfusions were post-partum hemorrhage 31 cases, ante-partum hemorrhage 4 cases, pyrexia 3 cases, post-partum anemia 6 cases, obstetric shock 2 cases, Casarean Section 2 cases.

| Case No. | Reg. No. | Age | Grav. id. | Matur. ity | Indication                  | Other Complications                   | Patient's Blood Group | Amount Given pints | Result M. C. | Remarks  |
|----------|----------|-----|-----------|------------|-----------------------------|---------------------------------------|-----------------------|--------------------|--------------|--|
| BOOKED   |          |     |           |            |                             |                                       |                       |                    |              |  |
| 1        | W 12     | 39  | 3         | 40         | P.P.H. Manual removal       | None                                  | A. Rh +               | 2                  | L.           | Transfusion followed by rigor.                   |
| 2        | W 35     | 36  | 1         | 43         | P.P.H. Manual removal       | Forceps. Large child                  | A. Rh +               | 1                  | L.           |  |
| 3        | W 45     | 28  | 1         | 42         | P.P.H. Manual removal       | Forceps                               | A. Rh +               | 2                  | L.           |  |
| 4        | W 68     | 39  | 3         | 37         | P.P.H. Manual removal       | None                                  | A. Rh +               | 2 3/4              | L.           |  |
| 5        | W 72     | 25  | 1         | 40         | P.P.H. Manual removal       | Long labour                           | O. Rh +               | 3                  | L.           |  |
| 6        | W 97     | 25  | 1         | 40         | P.P.H.                      | —                                     | O. Rh +               | 2                  | L.           |  |
| 7        | W 176    | 35  | 3         | 35         | Puerperal anaemia           | Severe pyelitis                       | O. Rh +               | 1                  | L.           |  |
| 8        | W 176    | 35  | 3         | 35         | Puerperal anaemia           | Mild pyelitis                         | O. Rh +               | 2                  | L.           |  |
| 9        | W 263    | 36  | 3         | 31         | A.P.H. Placenta praevia     | Mild hypertension                     | O. Rh +               | 1                  | L.           | Placenta expressed under G.A. by Credé's method. |
| 10       | W 307    | 27  | 1         | 37         | Obstetric shock. Blood lost | Albuminuria. Twins. Retained placenta | B. Rh +               | 2                  | L.           | Preceded by 2 pints of plasma.                   |
| 11       | W 340    | 32  | 1         | 40         | Obstetric shock. Blood lost | Twins. Adherent placenta              | O. Rh +               | 2                  | L.           | Preceded by 1 pint of plasma.                    |
| 12       | W 354    | 36  | 3         | 40         | Secondary P.P.H.            | Face presentation. Manual removal     | O. Rh +               | 2                  | L.           |  |

## BLOOD TRANSFUSION—continued

| Case No.   | Reg. No. | Age | Grav. idy | Matur-ity | Indication                        | Other Complications       | Patient's Blood Group | Amount Given pints | Result M. C. | Remarks                                    |
|------------|----------|-----|-----------|-----------|-----------------------------------|---------------------------|-----------------------|--------------------|--------------|--|
| 13         | W368     | 25  | 1         | 43        | P.P.H. ...                        | Primary inertia, delivery | O. Rh—                | 1                  | L. L.        | Preceded by 1 pint of plasma.              |
| 14         | W376     | 26  | 2         | 40        | Puerperal anaemia                 | —                         | A. Rh+                | 2                  | L.           |  |
| 15         | W403     | 18  | 1         | 41        | P.P.H. ...                        | Eclampsia                 | O. Rh+                | 1½                 | L.           | Forceps.                                   |
| 16         | W453     | 22  | 1         | 40        | Secondary haemorrhage             | Retained products         | O. Rh+                | 2                  | L.           | Uterus evacuated.                          |
| 17         | W454     | 43  | 1         | 36        | Haemorrhage after first twin      | Eclampsia                 | O. Rh+                | 3                  | L. D.        |  |
| 18         | W481     | 22  | 1         | 43        | P.P.H. ...                        | Forceps                   | A. Rh+                | 2                  | L. SB.       |  |
| 19         | M 58     | 30  | 2         | 41        | Cesarean Section                  | —                         | B. Rh+                | 1                  | L.           |  |
| 20         | M 85     | 34  | 2         | 41        | P.P.H. ...                        | —                         | O. Rh—                | 1                  | L.           |  |
| 21         | M148     | 31  | 2         | 38        | P.P.H. ...                        | Lateral placenta praevia  | O. Rh+                | 2                  | L. L.        |  |
| 22         | M181     | 30  | 1         | 40        | P.P.H. ...                        | Manual removal            | A. Rh+                | 2                  | L. L.        | Preceded by 1 pint of plasma.              |
| 23         | M243     | 33  | 1         | 43        | P.P.H. ...                        | Forceps                   | A. Rh—                | 1                  | L.           |  |
| 24         | M247     | 34  | 1         | 40        | Prolonged mild pyrexia            | A.N. anaemia              | A. Rh+                | 2                  | L.           | Uterine fibroids.                          |
| 25         | M460     | 25  | 1         | 34        | A.P.H. ...                        | Placenta praevia          | O. Rh—                | 2                  | L.           | During Cesarean Section.                   |
| 26         | M567     | 27  | 4         | 42        | P.P.H. ...                        | A.P.H. ...                | O. Rh+                | 2                  | L.           | A.P.H. with each previous pregnancy.       |
| 27         | M605     | 27  | 2         | 37        | P.P.H. ...                        | Primary inertia           | O. Rh+                | 2                  | L.           | Labour induced for previous disproportion. |
| 28         | M607     | 30  | 1         | 40        | P.P.H. ...                        | Episiotomy                | O. Rh+                | 2                  | L.           |  |
| 29         | M614     | 22  | 2         | 41        | Third stage haemorrhage           | B.B.A. ...                | B. Rh+                | 2                  | L. SB.       |  |
| 30         | M619     | 29  | 2         | 40        | Puerperal anaemia                 | Cesarean Section          | O. Rh+                | 3                  | L.           |  |
| 31         | M624     | 23  | 1         | 42        | Partly separated placenta. P.P.H. | —                         | A. Rh+                | 2                  | L.           | Mild pyrexia                               |
| 32         | M636     | 33  | 2         | 40        | Puerperal pyrexia                 | Cesarean Section          | O. Rh+                | 1                  | L.           |  |
| 33         | M663     | 25  | 1         | 41        | P.P.H. Retained placenta          | Forceps                   | O. Rh+                | 2                  | L.           |  |
| 34         | M700     | 26  | 3         | 41        | Puerperal anaemia                 | Puerperal pyrexia         | O. Rh+                | 2                  | L.           |  |
| 35         | M766     | 31  | 1         | 39        | P.P.H. ...                        | Twins                     | O. Rh+                | 3                  | L.           |  |
| 36         | M792     | 30  | 2         | 41        | P.P.H. ...                        | —                         | O. Rh—                | 1                  | L.           |  |
| 37         | M797     | 38  | 2         | 41        | P.P.H. ...                        | Manual removal            | O. Rh+                | 3                  | L.           |  |
| 38         | M799     | 17  | 1         | 38        | P.P.H. ...                        | —                         | B. Rh—                | 2                  | L.           |  |
| NON-BOOKED |          |     |           |           |                                   |                           |                       |                    |              |  |
| 39         | W312     | 33  | 2         | 40        | Free loss during operation        | Cesarean Section          | A. Rh+                | 2                  | L.           |  |
| PRIVATE    |          |     |           |           |                                   |                           |                       |                    |              |  |
| 40         | W297     | 36  | 1         | 30        | P.P.H. ...                        | A.P.H. ...                | Not tested            | 2                  | L.           | Rh. neg. blood given and plasma            |
| 41         | M 69     | 33  | 3         | 40        | Puerperal anaemia                 | Cesarean Section          | O. Rh—                | 1                  | L.           |  |
| 42         | M 88     | 27  | 2         | 41        | P.P.H. ...                        | —                         | —                     | 2                  | L.           | Preceded by 2 pts. plasma.                 |
| 43         | M618     | 35  | 1         | 44        | A.P.H. ...                        | Cesarean Section          | —                     | 2                  | L.           | Rh negative blood given.                   |
| 44         | M720     | 30  | 2         | 40        | P.P.H. ...                        | Large child               | —                     | 2                  | L.           |  |
| 45         | M779     | 42  | 3         | 36        | A.P.H. Placenta praevia...        | Cesarean Section          | A. Rh+                | 2                  | L.           |  |



# MANUAL REMOVAL OF PLACENTA

13 Cases

There was one maternal death, a mortality of 8%. Two infants were stillborn (one twin), an infant mortality of 14%.

| Case No. | Reg. No. | Age | Gravida | Maturity | Method of Delivery        | 3rd Stage<br>hr. min. | Indication                   | Morbidity | Result<br>M. C. | Amount of Bleeding<br>oz. | Remarks                       |
|----------|----------|-----|---------|----------|---------------------------|-----------------------|------------------------------|-----------|-----------------|---------------------------|-------------------------------|
| BOOKED   |          |     |         |          |                           |                       |                              |           |                 |                           |                               |
| 1        | W 12     | 39  | 3       | 40       | Spontaneous               | ...                   | Adherent placenta            | ...       | L.              | 15                        | Blood transfusion.            |
| 2        | W 45     | 28  | 1       | 42       | Forceps                   | ...                   | Partly adherent placenta     | ...       | L.              | 35                        | Blood transfusion.            |
| 3        | W 68     | 39  | 3       | 37       | Spontaneous               | ...                   | Partly adherent placenta     | ...       | L.              | Severe                    | Blood transfusion.            |
| 4        | W 72     | 25  | 1       | 40       | Spontaneous               | ...                   | Partly adherent placenta     | ...       | L.              | 40                        | Blood transfusion.            |
| 5        | W 307    | 26  | 1       | 38       | Spontaneous (twins)       | ...                   | Adherent placenta            | ...       | L.              | Slight                    | Plasma and blood transfusion. |
| 6        | W 340    | 32  | 1       | 40       | Spontaneous face          | ...                   | Adherent placenta            | ...       | SB.             | 40+                       | Plasma and blood transfusion. |
| 7        | M 7      | 19  | 1       | 40       | Forceps                   | ...                   | Adherent placenta            | ...       | D.              | Slight                    | Primary inertia.              |
| 8        | M 148    | 31  | 2       | 38       | Spontaneous face to pubes | ...                   | Hæmorrhage                   | ...       | L.              | 78 oz.                    | Plasma and blood transfusion. |
| 9        | M 181    | 30  | 1       | 40       | Spontaneous               | ...                   | Adherent placenta            | ...       | L.              | 38                        | Blood transfusion.            |
| 10       | M 663    | 25  | 1       | 41       | Forceps                   | ...                   | Retained placenta            | ...       | L.              | 60                        | Blood transfusion.            |
| 11       | M 797    | 38  | 2       | 41       | Spontaneous               | ...                   | Retained placenta            | ...       | L.              | 50                        | Blood transfusion.            |
| PRIVATE  |          |     |         |          |                           |                       |                              |           |                 |                           |                               |
| 12       | W 297    | 36  | 1       | 30       | Spontaneous               | ...                   | Retained placenta            | ...       | L.              | 28                        | Blood transfusion.            |
| 13       | M 114    | 34  | 2       | 40       | Spontaneous               | ...                   | P.P.H. and retained placenta | None      | L.              | 40                        |                               |

## MATERNAL MORBIDITY

All cases of pyrexia and maternal deaths are included as morbid.

In 1,006 Booked deliveries there were 21 cases of pyrexia and one death without a rise of temperature. The morbidity rate for Booked Cases was, therefore, 2 per cent.

In the nine Non-booked Cases there was no maternal morbidity.

In 263 Private Cases there were six cases of pyrexia and no death. The morbidity rate for Private Cases was 2.3 per cent.

The morbidity rate for all cases was 2.2 per cent.

As in previous years the standard of pyrexia has been a "Temperature of 100.4° F. or more, on two occasions after twenty-four hours and within twenty-one days of delivery." Should one such reading occur or the pulse rate be raised, the patient's temperature and pulse are recorded four-hourly.

## PUERPERAL PYREXIA

27 Cases

| Case No.       | Reg. No. | Age | Gravida | Maturity | Type of Labour              | Method of Delivery | Cause of Pyrexia         | Duration of Pyrexia days | Result M. C. | Remarks                                      |
|----------------|----------|-----|---------|----------|-----------------------------|--------------------|--------------------------|--------------------------|--------------|--|
| <b>BOOKED</b>  |          |     |         |          |                             |                    |                          |                          |              |  |
| 1              | W176     | 35  | 3       | 35       | Normal breech               | Spontaneous        | Pyelitis                 | ...                      | L.           | Onset of pyelitis 6 weeks before childbirth. |
| 2              | W307     | 26  | 1       | 38       | Twins. Long labour          | Spontaneous        | Uterine infection        | ...                      | L.           | Manual removal of placenta.                  |
| 3              | W309     | 25  | 1       | 40       | Normal                      | Spontaneous        | Haem. strep. infection   | ...                      | L.           | Transferred to Isolation Hospital.           |
| 4              | W395     | 28  | 2       | 40       | Normal                      | Normal. Episiotomy | Non-suppurative mastitis | ...                      | L.           |  |
| 5              | M136     | 38  | 1       | 40       | Not in labour               | Cesarean Section   | Staphylococcal infection | ...                      | L.           |  |
| 6              | M295     | 27  | 4       | 39       | Normal                      | Spontaneous        | Bilateral mastitis       | ...                      | L.           |  |
| 7              | M310     | 29  | 1       | 41       | Long second stage           | Forceps            | Broncho-pneumonia        | ...                      | L.           |  |
| 8              | M438     | 22  | 1       | 38       | Normal                      | Spontaneous        | Urinary infection        | ...                      | L.           |  |
| 9              | M442     | 31  | 1       | 41       | Normal                      | Spontaneous        | Retained lochia          | ...                      | L.           |  |
| 10             | M450     | 24  | 2       | 40       | Normal Breech               | Spontaneous        | Not known                | ...                      | L.           |  |
| 11             | M469     | 30  | 1       | 40       | Normal                      | Spontaneous        | Mastitis                 | ...                      | L.           |  |
| 12             | M566     | 25  | 1       | 39       | Normal                      | Spontaneous        | Uterine infection        | ...                      | L.           |  |
| 13             | M569     | 23  | 1       | 36       | Normal                      | Spontaneous        | Uterine infection        | ...                      | L.           |  |
| 14             | M622     | 22  | 1       | 42       | Normal                      | Spontaneous        | Superficial phlebitis    | ...                      | L.           |  |
| 15             | M636     | 33  | 2       | 40       | Early rupture of membranes. | Cesarean Section   | Pyelitis                 | ...                      | L.           |  |
| 16             | M663     | 25  | 1       | 41       | Breech                      | Forceps            | Uterine infection        | ...                      | L.           |  |
| 17             | M670     | 26  | 2       | 41       | Delay in second stage       | Spontaneous        | Uterine infection        | ...                      | L.           |  |
| 18             | M713     | 28  | 1       | 34       | Normal                      | Spontaneous        | Uterine infection        | ...                      | L.           |  |
| 19             | M730     | 27  | 1       | 40       | Spontaneous. Eclampsia      | Spontaneous        | Uterine infection        | ...                      | L.           |  |
| 20             | M743     | 25  | 1       | 36       | Long                        | Spontaneous        | Retained lochia          | ...                      | L.           |  |
| 21             | M754     | 20  | 3       | 40       | Normal                      | Normal             | Parenchymatous mastitis  | ...                      | L.           |  |
| <b>PRIVATE</b> |          |     |         |          |                             |                    |                          |                          |              |  |
| 22             | W243     | 31  | 1       | 38       | Breech                      | Cesarean Section   | Uterine infection        | ...                      | L.           |  |
| 23             | M 76     | 29  | 2       | 40       | Normal                      | Spontaneous        | —                        | ...                      | L.           |  |
| 24             | M 88     | 23  | 1       | 40       | Primary inertia             | Spontaneous        | —                        | ...                      | L.           |  |
| 25             | M600     | 32  | 1       | 40       | Occipito-posterior          | Forceps            | Utero vaginal infection  | ...                      | L.           |  |
| 26             | M779     | 42  | 3       | 36       | Not in labour               | Cesarean Section   | Uterine infection        | ...                      | L.           |  |
| 27             | M784     | 26  | 1       | 39       | Not in labour               | Cesarean Section   | Strep. G in vagina       | ...                      | L.           |  |



## MATERNAL MORTALITY

One Booked case. Reg. No. W.340.

A primigravida, aged thirty-two, with a history of rheumatic fever at the age of fourteen, booked for her confinement when she was eight weeks pregnant. She had been ten years married, and was a well-built woman of 5 ft. 6 in., weighing 11 st. 2 lb. She was healthy and there were not any signs of rheumatic carditis. Measurements were normal except for the outlet, which was estimated to be three knuckles wide. Her pregnancy proceeded normally and she was admitted at term on 21/8/47 with a history of ruptured membranes. Examination showed that the head was high and poorly flexed in the L.O.P. position. A note had been made that there were signs of primary inertia. The first stage lasted twenty-five hours, during which the patient was given three injections of pethidine mgms. 100 and one injection of morphia grain  $\frac{1}{4}$ . Two hours before full dilatation there was a heavy show of blood. The second stage progressed slowly, and the patient's pulse rate began to rise to 110 when an episiotomy was carried out after the discovery of a secondary face presentation (R.M.A.). The child was born in a condition of asphyxia pallida but recovered rapidly. Immediately after delivery of the child, bleeding began per vaginam. Credé's expression of the placenta failed and bleeding increased. The placenta was removed manually under general anaesthesia and the patient was given morphia, ergometrine and pitocin, but she failed to rally in spite of transfusion of two pints of blood preceded by one pint of plasma.

Death was due to shock and hæmorrhage.

## INFANTS

|  | Booked | Non-booked | Private | Total |
|--|--------|------------|---------|-------|
| Total number of live births, stillbirths and infants admitted with mother ... (B.B.A.) | 1022   | 9          | 266     | 1297  |
| Living—alive on discharge from Hospital  | 980    | 5          | 260     | 1245  |
| Stillborn (fresh)  | 18     | 2          | 2       | 22    |
| Stillborn (macrated)   | 9      | 1          | 3       | 13    |
| Died (born alive but died in hospital)   | 15     | 1          | 1       | 17    |

## INFANT FEEDING

|  | Booked |    | Non-booked |     | Private |    | Total |    |
|--|--------|----|------------|-----|---------|----|-------|----|
|  | No.    | %  | No.        | %   | No.     | %  | No.   | %  |
| No. of infants discharged during the year 1947               | 980    | —  | 5          | —   | 260     | —  | 1245  | —  |
| No. breast fed   | 883    | 90 | 5          | 100 | 230     | 88 | 1118  | 89 |
| No. mixed feeding  | 80     | 8  | —          | —   | 26      | 10 | 106   | 9  |
| No. artificial feeding                                       | 17     | 2  | —          | —   | 4       | 2  | 21    | 2  |
| No. of live infants whose Mothers attended Post-Natal Clinic | 735    | —  | 2          | —   | 6       | —  | 743   | —  |
| Breast feeding   | 562    | 76 | 2          | 100 | 2       | 33 | 566   | 76 |
| Mixed feeding  | 91     | 13 | —          | —   | 2       | 33 | 93    | 13 |
| Artificial feeding   | 82     | 11 | —          | —   | 2       | 33 | 84    | 11 |

# TWINS AND TRIPLETS

## 19 Cases

19 cases of twins. No mother died. 5 infants were stillborn, 3 infants died, a mortality of 21%.

| Case No. | Reg. No. | Age | Grav-<br>ida-<br>ity | Presentation |            | Sex | Weight         |                | Type | M.             | Result |     | Rhesus Factor |     | Remarks |
|----------|----------|-----|----------------------|--------------|------------|-----|----------------|----------------|------|----------------|--------|-----|---------------|-----|---------|
|          |          |     |                      | 1st          | 2nd        |     | 1st<br>lb. oz. | 2nd<br>lb. oz. |      |                | 1st    | 2nd | 1st           | 2nd |         |
| BOOKED   |          |     |                      |              |            |     |                |                |      |                |        |     |               |     |         |
| 1        | W 28     | 27  | 1                    | L.S.A.       | R.S.A.     | M.  | F.             | 5 7            | 6 0  | Binovular      | ...    | L.  | L.            | -   | +       |
| 2        | W 276    | 29  | 2                    | L.O.A.       | L.O.A.     | F.  | F.             | 4 0            | 4 7  | Uniovular      | ...    | L.  | L.            | +   | +       |
| 3        | W 306    | 27  | 1                    | R.O.A.       | L.S.P.     | M.  | M.             | 7 3            | 5 15 | Binovular      | ...    | L.  | L.            | +   | +       |
| 4        | W 307    | 26  | 1                    | R.O.A.       | L.S.A.     | M.  | F.             | 5 3            | 5 9  | Binovular      | ...    | L.  | L.            | +   | +       |
| 5        | W 323    | 32  | 2                    | L.O.A.       | R.S.A.     | F.  | M.             | 6 0            | 5 8  | Binovular      | ...    | L.  | L.            | +   | +       |
| 6        | W 328    | 38  | 1                    | R.S.A.       | L.S.A.     | M.  | M.             | 6 12           | 6 7  | Binovular<br>? | ...    | L.  | L.            | +   | +       |
| 7        | W 333    | 35  | 2                    | R.S.P.       | L.S.A.     | M.  | M.             | 5 3            | 7 4  | Uniovular      | ...    | L.  | L.            | -   | +       |
| 8        | W 365    | 36  | 10                   | L.O.A.       | R.O.A.     | F.  | F.             | 5 1            | 4 8  | Binovular      | ...    | L.  | L.            | +   | +       |
| 9        | W 375    | 26  | 4                    | R.O.A.       | R.O.A.     | F.  | F.             | 4 2            | 3 5  | Uniovular ?    | ...    | L.  | L.            | -   | +       |
| 10       | W 429    | 21  | 2                    | R.O.A.       | R.S.A.     | F.  | M.             | 6 14           | 6 14 | Binovular      | ...    | L.  | L.            | +   | +       |
| 11       | W 454    | 43  | 1                    | R.O.A.       | Transverse | F.  | F.             | 4 15           | 5 1  | Binovular      | ...    | L.  | L.            | +   | +       |
| 12       | W 462    | 23  | 1                    | L.O.A.       | L.S.A.     | F.  | F.             | 0 12           | 2 3  | Uniovular      | ...    | L.  | L.            | -   | +       |
| 13       | W 509    | 27  | 2                    | L.O.A.       | R.O.P.     | F.  | M.             | 6 7            | 5 0  | Binovular      | ...    | L.  | L.            | +   | +       |
| 14       | M 251    | 32  | 3                    | R.S.P.       | L.S.A.     | F.  | F.             | 5 11           | 6 10 | Binovular      | ...    | L.  | L.            | -   | +       |
| 15       | M 343    | 34  | 4                    | R.O.A.       | L.S.A.     | M.  | M.             | 5 1            | 5 8  | Uniovular      | ...    | L.  | L.            | +   | ?       |
| 16       | M 671    | 34  | 3                    | L.O.A.       | R.S.A.     | F.  | F.             | 6 10           | 4 14 | Uniovular      | ...    | L.  | L.            | +   | ?       |
| 17       | M 766    | 31  | 1                    | R.O.A.       | L.S.L.     | F.  | F.             | 6 4            | 7 9  | Binovular      | ...    | L.  | L.            | +   | +       |
| PRIVATE  |          |     |                      |              |            |     |                |                |      |                |        |     |               |     |         |
| 18       | M 280    | 31  | 3                    | R.S.A.       | L.O.A.     | M.  | M.             | 6 3            | 7 5  | Uniovular      | ...    | L.  | L.            | +   | ?       |
| 19       | M 528    | 32  | 2                    | L.O.A.       | L.O.A.     | M.  | M.             | 5 13           | 5 0  | Uniovular<br>? | ...    | L.  | L.            | +   | ?       |



## PREMATURE AND IMMATURE INFANTS

(Excluding Stillbirths)

58 Cases

All infants weighing 5 lb. 8 oz. or less at birth are included in this table. Of 51 Booked cases 10 died; of 7 Private cases none died. The 10 deaths represent a mortality of 17%. One baby not exceeding 2 lb. in weight died. One baby between 2 lb. and 3 lb. died. Of 6 between 3 lb. and 4 lb., 2 died; of 24 between 4 lb. and 5 lb., 5 died; of 26 over 5 lb., one died.

| Case No. | Reg. No. | Maturity | Cause of Premature Labour or Associated Condition | Method of Feeding    | Birth Weight lb. oz. | Weight on Disch. Hosp. lb. oz. | No. of days in Hosp. | Result | Sex | Remarks                                     |
|----------|----------|----------|---|----------------------|----------------------|--------------------------------|----------------------|--------|-----|---|
| BOOKED   |          |          |   |                      |                      |                                |                      |        |     |   |
| 1        | W 6      | 37       | Albuminuria. A.R.M.                               | E.B.M., later breast | 3 6½                 | 5 0½                           | 45                   | L.     | F.  |   |
| 2        | W 28     | 37       | Twin pregnancy ...                                | Breast ...           | 5 7                  | 5 9                            | 17                   | L.     | M.  |   |
| 3        | W 37     | 27       | Not known...                                      | — ...                | 1 15                 | —                              | 1                    | D.     | F.  |   |
| 4        | W101     | 40       | Full time. Previous small babies                  | Breast ...           | 5 7                  | 5 10                           | 12                   | L.     | M.  |   |
| 5        | W148     | 35       | Hypertension ...                                  | Breast ...           | 4 12                 | 4 15                           | 20                   | L.     | F.  |   |
| 6        | W176     | 35       | Pyelitis of pregnancy                             | E.B.M., later breast | 4 3½                 | 5 12                           | 53                   | L.     | F.  |   |
| 7        | W229     | 37       | Hydramnios ...                                    | Breast ...           | 5 7                  | 5 8                            | 12                   | L.     | M.  |   |
| 8        | W263     | 31       | Placenta prævia ...                               | — ...                | 4 14                 | —                              | 4 hrs.               | D.     | M.  |   |
| 9        | W276     | 29       | Albuminuria. A.R.M. Twins                         | Breast ...           | 4 0                  | 5 1                            | 31                   | L.     | F.  |   |
| 10       | —        | —        | — ...   | Breast ...           | 4 7                  | 5 1                            | 31                   | L.     | F.  |   |
| 11       | W296     | 39       | Albuminuria. A.R.M.                               | Breast ...           | 4 4                  | 5 3                            | 14                   | L.     | F.  |   |
| 12       | W307     | 38       | Twins ...   | Artificial ...       | 5 3                  | 5 10                           | 22                   | L.     | M.  |   |
| 13       | W323     | 37       | Twins ...   | Breast ...           | 5 8                  | 5 4                            | 12                   | L.     | M.  |   |
| 14       | W365     | 40       | Full time. Twins ...                              | Breast ...           | 5 1                  | 5 14                           | 20                   | L.     | F.  |   |
| 15       | —        | —        | — ...   | Breast ...           | 4 8                  | 4 13                           | 20                   | L.     | F.  |   |
| 16       | W375     | 38       | Twins ...   | E.B.M., later breast | 4 2                  | 5 13                           | 54                   | L.     | F.  |   |
| 17       | —        | —        | — ...   | — ...                | 3 5                  | 4 14                           | 54                   | L.     | F.  |   |
| 18       | W435     | 39       | — ...   | Breast ...           | 5 7                  | 5 10                           | 12                   | L.     | M.  |   |
| 19       | W454     | 36       | Twins ...   | — ...                | 4 15                 | —                              | 1                    | D.     | F.  |   |
| 20       | —        | —        | — ...   | — ...                | 5 1                  | —                              | 1                    | D.     | F.  |   |
| 21       | W458     | 36       | — ...   | Breast ...           | 5 3                  | 5 0                            | 13                   | L.     | M.  |   |
| 22       | W462     | 33       | Other twin macerated                              | — ...                | 2 3                  | —                              | 3                    | D.     | F.  |   |
| 23       | W468     | 41       | Overdue. Small mother                             | Breast ...           | 5 5                  | 5 1                            | 11                   | L.     | F.  |   |
| 24       | W476     | 33       | Membranes ruptured five weeks previously          | E.B.M., later breast | 4 11                 | 5 9                            | 41                   | L.     | M.  |   |
| 25       | W529     | 40       | At term ...                                       | Breast ...           | 5 4                  | 5 8                            | 12                   | L.     | F.  |   |
| 26       | M 33     | 40       | At term ...                                       | Breast ...           | 4 11                 | 5 2                            | 11                   | L.     | M.  |   |
| 27       | M 57     | 40       | At term ...                                       | Breast ...           | 4 13                 | 5 1                            | 31                   | L.     | F.  |   |
| 28       | M 65     | 37       | — ...   | Breast ...           | 5 7                  | 5 2                            | 12                   | L.     | F.  |   |
| 29       | M 87     | 40       | At term ...                                       | Breast ...           | 4 13                 | 5 1                            | 12                   | L.     | F.  |   |
| 30       | M110     | 35       | — ...   | Breast ...           | 5 1                  | 5 0                            | 12                   | L.     | M.  |   |
| 31       | M119     | 36       | — ...   | — ...                | 4 9                  | —                              | 13                   | D.     | M.  |   |
| 32       | M281     | 39       | Albuminuria ...                                   | Breast ...           | 5 7                  | 5 8                            | 12                   | L.     | F.  |   |
| 33       | M343     | 36       | Twins ...   | Artificial ...       | 5 1                  | 5 0½                           | 21                   | L.     | M.  |   |
| 34       | —        | —        | — ...   | — ...                | 5 8                  | 5 12½                          | 21                   | L.     | M.  |   |
| 35       | M359     | 38       | — ...   | Breast ...           | 5 4                  | 5 6½                           | 13                   | L.     | F.  |   |
| 36       | M422     | 35       | Albuminuria. A.R.M.                               | E.B.M., later breast | 5 3                  | 5 9                            | 18                   | L.     | M.  |   |
| 37       | M450     | 40       | At term ...                                       | E.B.M., later breast | 4 2                  | 4 12                           | 23                   | L.     | M.  |   |
| 38       | M452     | 32       | — ...   | — ...                | 3 10                 | —                              | Few hours            | D.     | M.  |   |
| 39       | M460     | 34       | Antepartum hæmorrhage, Caesarean Section          | E.B.M., later breast | 4 0                  | 5 1½                           | 42                   | L.     | F.  |   |
| 40       | M467     | 38       | Toxæmia, A.R.M. ...                               | Breast ...           | 5 5                  | 5 8                            | 20                   | L.     | F.  |   |
| 41       | M495     | 38       | — ...   | Breast ...           | 5 2                  | 5 7                            | 9                    | L.     | F.  |   |
| 42       | M506     | 40       | At term ...                                       | Breast ...           | 5 7                  | 5 14                           | 12                   | L.     | F.  |   |
| 43       | M542     | 37       | Breech presentation                               | E.B.M., later breast | 4 9                  | 4 14                           | 11                   | L.     | F.  |   |
| 44       | M581     | 37       | Toxæmia. Caesarean Section                        | E.B.M., later breast | 4 12                 | 5 4                            | 21                   | L.     | M.  |   |
| 45       | M629     | 40       | At term ...                                       | — ...                | 4 11                 | —                              | —                    | D.     | M.  | P.M. Respiratory obstruction during labour. |
| 46       | M671     | 40       | At term ...                                       | E.B.B., later breast | 4 14                 | 5 10                           | 30                   | L.     | F.  | Twin.                                       |
| 47       | M680     | 42       | Overdue ...                                       | Breast ...           | 5 2                  | 5 8                            | 12                   | L.     | M.  | Mother 4 ft. 10 in.                         |
| 48       | M713     | 34       | Induction for severe toxæmia                      | — ...                | 3 9                  | —                              | 2                    | D.     | M.  | Cerebral hæmorrhage. Eclampsia.             |
| 49       | M743     | 36       | Not known...                                      | Mixed ...            | 5 7                  | 5 14                           | 30                   | L.     | F.  |   |
| 50       | M757     | 40       | At term ...                                       | — ...                | 4 4                  | —                              | 1                    | D.     | F.  |   |
| 51       | M762     | 38       | Not known...                                      | E.B.M., later breast | 4 14                 | 4 15                           | 6                    | L.     | F.  |   |
| PRIVATE  |          |          |   |                      |                      |                                |                      |        |     |   |
| 52       | W313     | 39       | — ...   | Breast ...           | 5 5                  | 5 6                            | 11                   | L.     | M.  |   |
| 53       | M189     | 38       | — ...   | Breast ...           | 5 0                  | 5 8                            | 12                   | L.     | F.  |   |
| 54       | M354     | 40       | At term ...                                       | Breast ...           | 5 8                  | 5 9                            | 20                   | L.     | F.  |   |
| 55       | M394     | 39       | — ...   | Breast ...           | 5 6                  | 5 10                           | 12                   | L.     | F.  |   |
| 56       | M494     | 36       | Albuminuria, A.R.M.                               | E.B.M., later breast | 4 2                  | 4 14                           | 30                   | L.     | F.  |   |
| 57       | M528     | 36       | Albuminuria, A.R.M.                               | E.B.M., later breast | 5 0                  | 5 3                            | 19                   | L.     | M.  | Twin.                                       |
| 58       | M660     | 36       | — ...   | E.B.M., later breast | 4 8                  | 4 14                           | 30                   | L.     | F.  |   |



# STILLBIRTHS

35 Cases

The stillbirth rate for Booked cases was 27 per 1,000; for Non-booked cases, 333 per 1,000; and for all In-patients, 28 per 1,000 viable births.

| Case No.          | Reg. No. | Sex | Method of Delivery              | Maternal Complication           | Fresh or Macerated | Cause of Death P.M. if done                         | Mother's Blood      | Remarks   |
|-------------------|----------|-----|---------------------------------|---------------------------------|--------------------|---|---------------------|---|
| <b>BOOKED</b>     |          |     |                                 |                                 |                    |   |                     |   |
| 1                 | W 1      | F.  | Spontaneous. L.O.P.             | Hydramnios                      | F.                 | Not known. P.M. Atelectasis                         | Rh. +               | Labour lasted eight hours.                                  |
| 2                 | W 35     | M.  | Forceps, low                    | Primary inertia. Labour 72 hrs. | F.                 | Long labour   | Rh. +               |   |
| 3                 | W 66     | F.  | Spontaneous. Vertex             | Rhesus anti-bodies              | M.                 | Haemagglutination                                   | Rh. -               | Maternal anti-bodies present 1 in 6.                        |
| 4                 | W 71     | F.  | Spontaneous vertex              | ? Disproportion. Rapid delivery | F.                 | Intra-cranial haemorrhage. P.M.                     | Rh. +               | Labour ended with violent pains.                            |
| 5                 | W 72A    | M.  | B.B.A.                          | Contracted pelvis               | M.                 | Hydrocephaly. Ascites                               | Rh. -               | Rh. anti-bodies absent.                                     |
| 6                 | W 78     | F.  | Spontaneous. L.O.A.             | Albuminuria. Hypertension       | M.                 | Toxaemia. Prematurity 32 weeks                      | Rh. +               |   |
| 7                 | W 167    | M.  | Spontaneous. L.O.P.             | Rhesus anti-bodies 1 in 32      | M.                 | Hydrops foetalis P.M.                               | Rh. -               | Fourth pregnancy. One living child.                         |
| 8                 | W 206    | M.  | Spontaneous. Cephalic           | —                               | F.                 | Anencephaly. Exomphalos                             | Rh. +               |   |
| 9                 | W 225    | F.  | Spontaneous                     | —                               | F.                 | Intra-cranial haemorrhage. P.M.                     | Rh. - no antibodies | Cord 45 in. long. Twice round neck.                         |
| 10                | W 307    | F.  | Spontaneous. L.S.A.             | Second twin. P.P.H.             | F.                 | Breech labour                                       | Rh. +               | Twin pregnancy, 38 weeks.                                   |
| 11                | W 328    | M.  | Spontaneous breech              | First twin                      | F.                 | Breech labour                                       | Rh. +               | First twin.   |
| 12                | W 333    | M.  | Surgical induction              | First twin. Post-mature         | F.                 | Breech labour. Rapid delivery                       | Rh. -               | First twin.   |
| 13                | W 451    | F.  | Forceps. L.O.A.                 | Uterine inertia                 | F.                 | Cord tightly around neck                            | Rh. +               |   |
| 14                | W 455    | F.  | Forceps. L.O.P.                 | Narrow pelvic outlet            | F.                 | Cord tightly around neck. Intra-cranial haemorrhage | Rh. +               |   |
| 15                | W 462    | F.  | Spontaneous. L.O.A.             | —                               | M.                 | Not known   | Rh. -               | First twin.   |
| 16                | W 466    | F.  | Spontaneous. L.O.A.             | —                               | F.                 | Not known. P.M.                                     | Rh. +               | P.M. showed right heart failure.                            |
| 17                | W 481    | M.  | Forceps. R.O.A.                 | —                               | F.                 | Not known. P.M.                                     | Rh. +               | P.M. Right heart failure. Foetus delivered in rigor mortis. |
| 18                | W 497    | F.  | Surgical induction. Forceps     | Post-maturity and toxæmia       | F.                 | Oligohydramnios. P.M.                               | Rh. -               | Foetal heart not heard before onset of pains.               |
| 19                | W 502    | F.  | Surgical induction              | —                               | F.                 | Anencephaly. 33 weeks                               | Rh. +               | X-ray diagnosis.  |
| 20                | W 509    | M.  | Surgical induction. Spontaneous | Albuminuria and hypertension    | F.                 | Prolapsed cord                                      | Rh. +               | Second twin.  |
| 21                | M 2      | F.  | Stillbirth induction            | Hypertension                    | M.                 | Obscure (30 weeks)                                  | Rh. +               |   |
| 22                | M 8      | M.  | Spontaneous. R.O.A.             | —                               | M.                 | Obscure (? Erythroblastosis)                        | Rh. -               | No antibodies after delivery.                               |
| 23                | M 30     | M.  | Spontaneous. Face               | —                               | F.                 | Cord tightly around neck                            | Rh. -               | Anti-bodies absent.   |
| 24                | M 283    | F.  | Spontaneous. R.O.A.             | —                               | F.                 | Meningocele   | Rh. +               |   |
| 25                | M 515    | M.  | Spontaneous. R.O.A.             | —                               | M.                 | Hydrops foetalis                                    | Rh. -               | Anti-bodies titre 1 in 2.                                   |
| 26                | M 556    | F.  | Surgical induction              | —                               | M.                 | Hydrops foetalis                                    | Rh. -               | Anti-bodies titre 1 in 1.                                   |
| 27                | M 614    | F.  | Spontaneous. B.B.A.             | P.P.H.                          | F.                 | Cord around neck                                    | Rh. +               |   |
| <b>NON-BOOKED</b> |          |     |                                 |                                 |                    |   |                     |   |
| 28                | M 217    | M.  | Art. rupt. membranes            | Albuminuria and hypertension    | M.                 | Accidental A.P.H. (34 weeks)                        | —                   |   |
| 29                | M 362    | M.  | Spontaneous head                | Premature, 33 weeks             | F.                 | Anencephaly   | —                   |   |
| 30                | M 651    | F.  | Spontaneous vertex              | —                               | F.                 | Hydrocephaly  | Rh. -               | Also exomphalos, talipes, scoliosis, etc.                   |
| <b>PRIVATE</b>    |          |     |                                 |                                 |                    |   |                     |   |
| 31                | W 297    | F.  | Spontaneous breech              | Placenta prævia. 30 weeks       | F.                 | Prolapsed cord                                      | Rh. +               | 1 lb. 14 oz.  |
| 32                | M 419    | M.  | Spontaneous. R.O.A.             | Rhesus anti-bodies 1 in 128     | M.                 | Hydrops foetalis                                    | Rh. -               |   |
| 33                | M 462    | M.  | Spontaneous. L.O.A.             | —                               | F.                 | Intra-uterine asphyxia. P.M.                        | Rh. -               | Labour lasted 26 hours.                                     |
| 34                | M 539    | M.  | Spontaneous. R.O.A.             | —                               | M.                 | Obscure   | —                   |   |
| 35                | M 771    | M.  | Spontaneous. L.O.A.             | —                               | M.                 | Cord tightly around neck                            | —                   | Movements ceased 48 hours before labour.                    |



# INFANT DEATHS

17 Cases

The infant death rate for Booked cases was 15 per 1,000; for Non-booked cases, 167 per 1,000; for Private cases, 4 per 1,000; and for all In-patients 13 per 1,000 live births. 14 babies died within ten days of birth.

| Case No.          | Reg. No. | Birth Weight lb. oz. | Sex | Method of Delivery         | Maternal Complication       | Cause of Death.                              | P.M.                       | Age      | Mother's Blood       | Remarks                       |
|-------------------|----------|----------------------|-----|----------------------------|-----------------------------|--|----------------------------|----------|----------------------|-------------------------------|
| <b>BOOKED</b>     |          |                      |     |                            |                             |  |                            |          |                      |                               |
| 1                 | W 37     | 1 15                 | F.  | Spontaneous, Face to pubes | —                           | Prematurity (27 weeks)                       | ...                        | 1 day    | Rh. —                |                               |
| 2                 | W263     | 4 14                 | M.  | Cesarean Section           | Central placenta praevia    | Prematurity (31 weeks), Atelectasis. P.M.    | ...                        | 5 hours  | Rh. +                |                               |
| 3                 | W287     | 6 3                  | M.  | Spontaneous vertex         | Post-maturity               | Subarachnoid hemorrhage.                     | P.M.                       | 4 days   | Rh. — no anti-bodies | Infant Rh. +                  |
| 4                 | W454     | 4 15                 | F.  | Forceps ...                | Eclampsia                   | Intra-cranial hemorrhage.                    | P.M.                       | 10 hours | Rh. +                |                               |
| 5                 | —        | 5 1                  | F.  | Forceps ...                | —                           | Intra-cranial hemorrhage.                    | P.M.                       | 1 hour   | Rh. +                |                               |
| 6                 | W462     | 2 3                  | F.  | Spontaneous, Breech        | Twins                       | Prematurity (33 weeks)                       | ...                        | 3 days   | Rh. — no anti-bodies | Infant Rh. +                  |
| 7                 | M 1      | 7 14                 | M.  | Spontaneous, Vertex        | Disproportion, Hypertension | Acute nephritis.                             | P.M.                       | 21 days  | Rh. +                | Neuroblastoma of sympathetic. |
| 8                 | M175     | 7 12                 | M.  | Surgical induction 37 wks. | Hemolytic disease           | Icterus gravis                               | ...                        | 3 days   | Rh. —                | Rh. anti-bodies 1 in 96.      |
| 9                 | M199     | 4 9                  | M.  | Spontaneous, Vertex        | —                           | Prematurity (36 weeks)                       | ...                        | 13 days  | Rh. +                |                               |
| 10                | M250     | 7 7                  | F.  | Spontaneous, Vertex        | —                           | Hydrocephaly and spina bifida                | ...                        | 11 days  | Rh. — no anti-bodies | Infant Rh. +                  |
| 11                | M452     | 3 10                 | M.  | Spontaneous, Vertex        | —                           | Cerebral hemorrhage, Prematurity (31 weeks). | P.M.                       | 8 hours  | Rh. +                |                               |
| 12                | M629     | 4 11                 | M.  | Spontaneous, Vertex        | —                           | Atelectasis, Immaturity.                     | P.M.                       | 9 hours  | Rh. +                |                               |
| 13                | M691     | 7 0                  | F.  | Spontaneous, Vertex        | Epilepsy. P.P.H.            | Meningitis due to meningocele.               | ...                        | 10 days  | Rh. +                |                               |
| 14                | M713     | 3 9                  | M.  | Surgical induction, Vertex | Eclampsia, P.P.H.           | Cerebral hemorrhage.                         | Prematurity 32 weeks, P.M. | 34 hours | Rh. —                |                               |
| 15                | M757     | 4 4                  | F.  | Spontaneous, Vertex        | —                           | Atelectasis, Immaturity.                     | P.M.                       | 9 hours  | Rh. +                |                               |
| <b>NON-BOOKED</b> |          |                      |     |                            |                             |  |                            |          |                      |                               |
| 16                | W 94     | 3 5                  | M.  | Surgical induction, L.O.A. | Verging on eclampsia        | Prematurity (32 weeks)                       | ...                        | 1 day    | Rh. +                | Previous eclampsia            |
| <b>PRIVATE</b>    |          |                      |     |                            |                             |  |                            |          |                      |                               |
| 17                | M341     | 8 0                  | F.  | Spontaneous, Vertex        | —                           | Subarachnoid hemorrhage, Atelectasis. P.M.   | ...                        | 3 days   |                      |                               |

## FŒTAL AND INFANT ABNORMALITIES

| Case No.   | Reg. No. | Abnormality  | Result |
|------------|----------|--|--------|
| BOOKED     |          |  |        |
| 1          | W 54     | Scalp abscess  | L.     |
| 2          | W 66     | Rh. Hæmagglutination   | M.     |
| 3          | W 71     | Intracranial hæmorrhage  | SB.    |
| 4          | W 72A    | Hydrocephaly. Ascites. Talipes                                       | M.     |
| 5          | W126     | Cephalhæmatoma   | L.     |
| 6          | W129     | Talipes  | L.     |
| 7          | W136     | Congenital open-scrotum with exposed right testis (sutured)          | L.     |
| 8          | W206     | Anencephaly and exomphalos   | SB.    |
| 9          | W213     | Acute pyelitis. Transferred to Great Ormond Street Hospital for S.C. | L.     |
| 10         | W224     | Duodenal stenosis. Transferred to Great Ormond Street Hosp. for S.C. | L.     |
| 11         | W233     | Asphyxia pallida   | L.     |
| 12         | W250     | Talipes  | L.     |
| 13         | W287     | Cerebral hæmorrhage  | D.     |
| 14         | W346     | Breast abscess   | L.     |
| 15         | W364     | Mongolism  | L.     |
| 16         | W405     | Abscess labium majus   | L.     |
| 17         | W408     | Pyloric stenosis   | L.     |
| 18         | W440     | Talipes  | L.     |
| 19         | W442     | Talipes  | L.     |
| 20         | W502     | Anencephaly  | SB.    |
| 21         | W516     | Vaginal bleeding   | L.     |
| 22         | M 19     | Jaundice   | L.     |
| 23         | M 29     | Jaundice. Maternal antibodies present                                | L.     |
| 24         | M 42     | Jaundice. Mother Rh. negative. Child Rh. positive. Antibodies absent | L.     |
| 25         | M117     | Pyloric stenosis   | L.     |
| 26         | M140     | Blepharitis  | L.     |
| 27         | M163     | Hare lip   | L.     |
| 28         | M175     | Icterus gravis. Rhesus-sensitized. Transfused                        | D.     |
| 29         | M228     | Breast abscess   | L.     |
| 30         | M230     | Pneumonia  | L.     |
| 31         | M239     | Cephalhæmatoma   | L.     |
| 32         | M250     | Hydrocephaly and spina bifida...                                     | D.     |
| 33         | M337     | Talipes  | L.     |
| 34         | M333     | Nuchal fold. Oedema of feet  | L.     |
| 35         | M349     | Severe jaundice developed at home. To Belgrave Hospital              | D.     |
| 36         | M420     | Inguinal hernia  | L.     |
| 37         | M448     | Talipes  | L.     |
| 38         | M452     | Cerebral hæmorrhage  | D.     |
| 39         | M523     | Severe jaundice. Rh. positive. Mother, Rh. negative                  | L.     |
| 40         | M540     | Congenital atresia of tear duct                                      | L.     |
| 41         | M554     | Pyloric stenosis   | L.     |
| 42         | M584     | Dehydration fever  | L.     |
| 43         | M642     | Cephalhæmatoma   | L.     |
| 44         | M670     | Staph. aureus parotitis  | L.     |
| 45         | M672     | Cephalhæmatoma   | L.     |
| 46         | M691     | Meningocele  | D.     |
| 47         | M708     | Rhesus jaundice  | L.     |
| 48         | M789     | Pyloric stenosis   | L.     |
| NON-BOOKED |          |  |        |
| 49         | M651     | Hydrocephaly, spina bifida, exomphalos, imperforate anus             | SB.    |
| PRIVATE    |          |  |        |
| 50         | M536     | Fractured humerus (breech labour)                                    | L.     |
| 51         | M545     | Pneumonia  | L.     |
| 52         | M692     | Gross oedema of feet   | L.     |
| 53         | W218     | Mongolism  | L.     |
| 54         | W372     | Hydrocele  | L.     |
| 55         | M116     | Talipes  | L.     |

## OPHTHALMIA NEONATORUM

No case.

## PEMPHIGUS NEONATORUM

No case.



## POST-NATAL SUPERVISION

It will be seen from the numerical summary of cases on page 12 that numbers of patients were treated during the lying-in period for abnormal conditions which necessitated a prolongation of their stay in hospital. Every Booked patient, on discharge from hospital, was given an appointment for attendance at the Post-natal Clinic. The proportion of mothers who attended for examination six weeks after delivery was 72%.

|                              |     |     |     |     |     |     |     |
|------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Number of sessions held      | ... | ... | ... | ... | ... | ... | 48  |
| Number of patients attending | ... | ... | ... | ... | ... | ... | 733 |
| Total attendances            | ... | ... | ... | ... | ... | ... | 978 |

All cases treated to their termination during the year were classified into the following groups—

Result I: Health unimpaired as a result of recent confinement (*i.e.*, no symptoms and no anatomical or functional disability).

Result II: Health slightly impaired as a result of recent confinement (*i.e.*, no symptoms or disability, but anatomical damage, likely to lead to disability in the future, particularly if increased by further pregnancies. This group includes cases impaired by previous confinements, and further damaged by the recent confinements so as to make the total impairment due to all previous confinements equal to that described in Result III).

Result III: Health seriously impaired as a result of recent confinement (*i.e.*, symptoms or disability present due to trauma, infection, etc., or damage to vital organs as in chronic nephritis).

|            |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|
| Result I   | ... | ... | ... | ... | 92% |
| Result II  | ... | ... | ... | ... | 8%  |
| Result III | ... | ... | ... | ... | 0%  |

Post natal retroversion, see page 10

## BACTERIOLOGY AND PATHOLOGY

The systematic bacteriological examinations of patients and staff carried out by Dr. R. Irene Hutchinson at the Ministry of Health Laboratory at Downe throughout 1946 were continued during January and February, 1947. At the beginning of March the work was taken over by our own laboratory.

The object of the routine examinations was to try to discover when pathogenic organisms were introduced into the maternity department. All patients on admission had throat, nose and vaginal swabs taken. Each fortnight nasal and throat swabs were taken from all nursing, domestic and ambulance staff.

Any patients showing pyrexia, however mild, during the puerperium, had urine, breast milk and vaginal swabs examined bacteriologically and the nose and throat examinations were repeated.

In the ten months (March to December, 1947) no fewer than 5,461 swabs were examined from cases in the Maternity Units.

All blood agar plates showing hæmolytic streptococci or suspicious hæmolytic colonies were isolated and grouped from subculture by Lancefield's precipitation method, and hæmolysin tests were undertaken as well in most of the cases.

The numbers of specimens giving positive cultures may be summarised as follows:—

## WIDMORE UNIT

| Haemolytic<br>streptococci— | Patients |      |        | Staff  |      |
|-----------------------------|----------|------|--------|--------|------|
|                             | Throat   | Nose | Vagina | Throat | Nose |
| Group A ... ..              | 39       | 2    | 9      | 50     | 13   |
| Group B ... ..              | 16       | 2    | 1      | 16     | 1    |
| Group C ... ..              | 22       | —    | —      | 24     | 2    |
| Group D ... ..              | —        | —    | 2      | 1      | —    |
| Group G ... ..              | 63       | —    | 5      | 56     | 5    |
| Not A, B, C, D or G         | 21       | 1    | 2      | 6      | 1    |
| Staph. aureus ...           | 60       | 170  | 85     | 37     | 202  |

## MASONS HILL UNIT

| Haemolytic<br>streptococci— | Patients |      |        | Staff  |      |
|-----------------------------|----------|------|--------|--------|------|
|                             | Throat   | Nose | Vagina | Throat | Nose |
| Group A ... ..              | 54       | 3    | 10     | 35     | 5    |
| Group B ... ..              | 23       | 7    | 1      | 22     | —    |
| Group C ... ..              | 29       | —    | 6      | 23     | 2    |
| Group D ... ..              | —        | —    | 1      | 1      | —    |
| Group G ... ..              | 64       | 4    | 12     | 58     | 3    |
| Not A, B, C, D or G         | 20       | —    | —      | 11     | 1    |
| Staph. aureus ...           | 71       | 281  | 143    | 30     | 192  |

From the above tables, which relate to specimens rather than cases, although the figures after allowing for a few repeat specimens are roughly comparable for cases, the chief haemolytic streptococcus isolated was Group G. This was found almost equally throughout the year in the patients of both Units as well as in their staffs.

Group A haemolytic streptococcus took second place in order of incidence. The carrier rate among the staff at the Widmore Unit proved rather higher than that at Masons Hill.

Group C followed next in order, then Group B. Less common was the residue of those which did not react with sera of A, B, C, D or G, and which were counted up for convenience under this one heading.

Group D proved extremely rare, for in only three cases was it recovered from the vaginas of patients and twice from the throats of the staff.

As a matter of further interest, the incidence of pathogenic (coagulase positive) staphylococcus aureus has been examined and brought into this review. As was expected, it was found much more frequently in the nose than in the throat or vagina. Indeed, there were large numbers of nose carriers in both Units. The presence of this organism in throat, nose and vagina of patients, and in carriers among the nursing staff may well become of greater interest in the near future in view of recent findings of a growing percentage of penicillin fast staphylococcus aureus strains.

Great credit is due to the efficient staff of the maternity department, who carried out the large number of swabbings, and also to Mr. P. G. R. Browne, F.I.M.L.T., the Senior Technician, for his work in undertaking the bacteriological investigations.



The Pathology facilities were largely used by the maternity department. Throughout 1947 all patients booking for delivery as hospital cases have had their blood examined in early pregnancy. The tests undertaken at the time of booking were the group, Rhesus factor, haemoglobin estimation, Wassermann reaction and Kahn test. Further blood tests in those requiring them were quite numerous, and the tests for antibodies and agglutinins detailed in the table "Rhesus Negative Mothers" on page 30 called for the examination of a large number of specimens.

This work was done by the Kent County Council Laboratory, Farnborough Hospital, until mid-June, when our own Hospital laboratory took it over.

From June to December, 714 Rhesus factor investigations were undertaken, and 124 samples of serum were examined for antibodies, fourteen of these yielding positive results.

The department has undertaken the examination of numerous specimens, including the physical, chemical and microscopic examination of some hundreds of samples of urine, several histological sections, and nineteen post-mortem examinations of the bodies of foetuses and new-born babies.

I should like to place on record the debt the Maternity Department and the Pathological Laboratory of the Hospital owe to the National Blood Transfusion Service for their help and criticism in the carrying out of the Rhesus work, more especially the antibody determinations, and for supplying the blood for transfusion of our patients.

Our thanks are also due to the Pathologists and staff of the Pathological Laboratory of the County Hospital, Farnborough, for the assistance they gave when investigations could not be undertaken in the early days of the establishment of our Pathological Laboratory.

JOHN KEALL,  
*Pathologist.*



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