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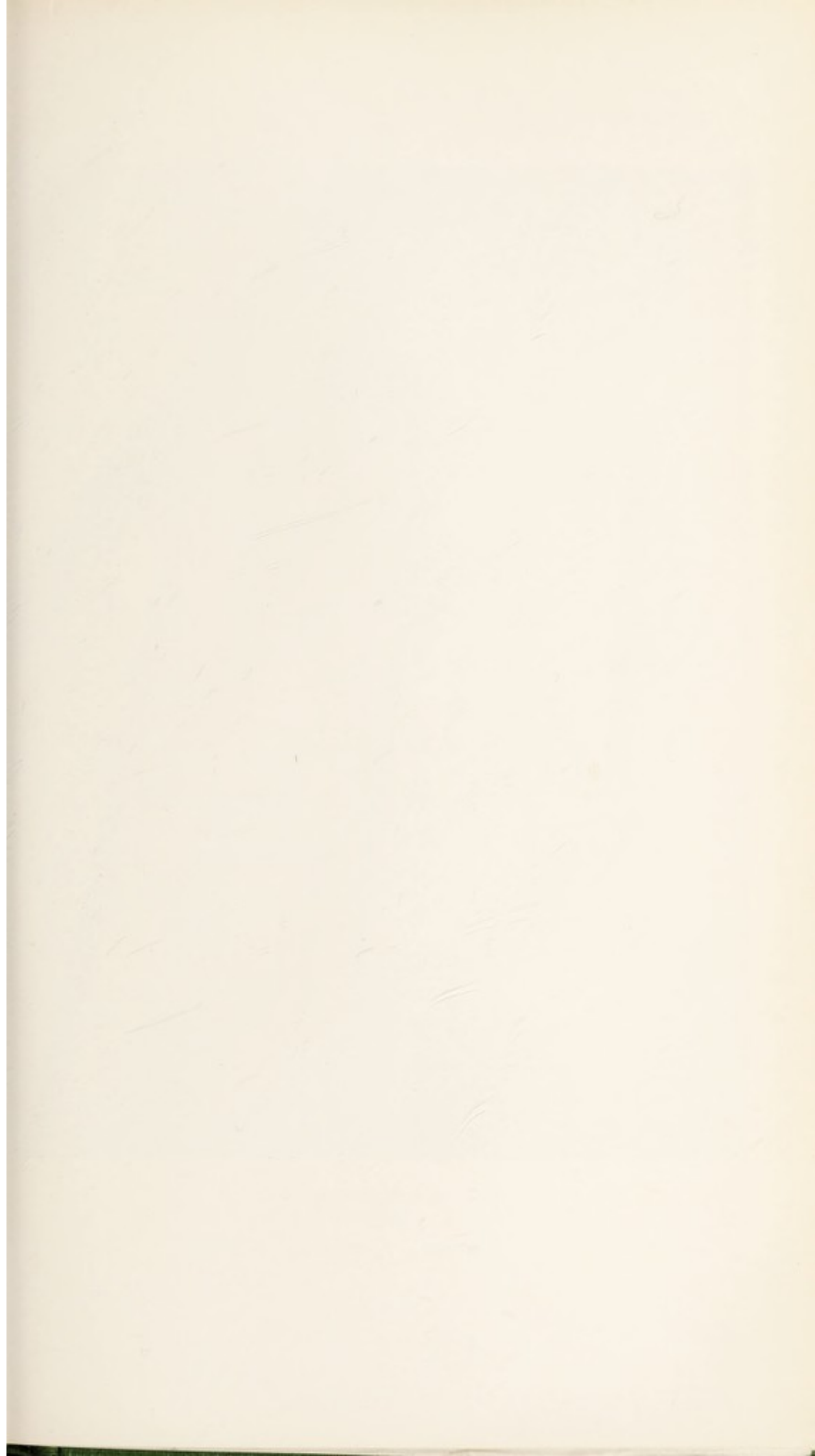
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As a matter of interest . . . !



CITY OF NOTTINGHAM

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NINETY-FOURTH  
ANNUAL REPORT

OF THE

HEALTH SERVICES

1966

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MEDICAL OFFICER OF HEALTH  
WILLIAM DODD, M.D.

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NOTTINGHAM

DERRY AND SONS LIMITED , PRINTERS





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## FOREWORD

The introduction of all Annual Reports, here and elsewhere, falls in the opening sentences into a certain pattern. This one does not break with tradition.

As a matter of record it is stated that the Annual Report for this City has been the first County Borough report to be published for about 15 years.

★ ★ ★

The statistics—some up, some down. It seems now that factors other than medical and nursing are hampering progress to further substantial improvement.

★ ★ ★

The outstanding factor of the year, foreshadowed to a degree in 1964 and 1965, was the explosive interest shown in the development of health centres. This fact is stated without attempt at explanation.

“The urge for health centres” as written a year ago in my foreword, now seems to be well under way, and as the script of the report states, the Health Committee is ready to meet the change. Moreover, it is ready to take advantage of it, and fulfil its obligations.

★ ★ ★

Preventive measures do not always arouse enthusiasm.

Nevertheless, the introduction of a screening service beginning with cervical cytology was, as the figures show, appreciated and well used. In this regard special reference should be made to the introduction of evening clinics, which were fully occupied, as the letter on page 90 indicates. On this occasion there were 89 attendances. This is not a boast, but simply a matter of record for subsequently these figures were surpassed when, on another occasion, 136 were seen.

★ ★ ★

Looking back over now nearly two decades, the alteration of the figures for tuberculosis—mainly the pulmonary form—have shown a tremendous change.



What was phthisis, galloping consumption, or the 'white scourge', is no longer seen. Whole families, father, mother and four or five siblings all dying within a space of less than five years, is now unknown. Certainly it has not been seen here for many years.

But though this aspect of human tragedy is very much reduced, the hardship and anxiety of other chest diseases—notably in this valley—bronchitis—is more and more frequently encountered.

★ ★ ★

Looking back over the alterations of the last twenty years, when in 1947, authorities—then Local Health Authorities designate—were projecting their thoughts into the future, and preparing proposals under the various sections, 21 to 28, of the National Health Service Act, the alterations are seen to be vast.

Inevitably it was then not only a case of forward looking, but as in most states of anticipation, it was one with an abundance of hope and quite considerable promise.

How far have these been fulfilled? The National Reports of the country's health point to accomplishments of more hospitals, more consultants (and better distribution of them) taller and heavier children, etc.

As a matter of plain fact also, it must be stated that the birthrate of committees, sub-committees, liaison committees and consultative committees, etc., etc., has risen considerably.

To appraise all this is something of a painful labour, for seen in the field improvements appear disproportionate to the effort required to produce them.

★ ★ ★

Alongside this must be considered financial outlay, which, in every year from 1949/50, when the annual budget for the Health Services here was in the region of £275,000 has increased—with one sole exception. Now the revenue estimate for the financial year 1967/68 is £1,063,000.

★ ★ ★



Against that there was little in the way of capital expenditure. Nevertheless, after a period when nothing new has been built, the year under review saw almost the completion of the permanent John Ryle Health Centre and also the new Radford Welfare Centre. At the time of writing plans are advanced for a Junior Training Centre, a Midwives' Hostel and a new Health Centre, these buildings to be followed by others between now and 1970, always providing that the national financial position permits. Should the programme be fulfilled, it will represent a major step forward. With the resultant closer identification of the multiple branches of the Health Services, it is understandably anticipated that increased working efficiency, with greater benefits to the public, will accrue.

★ ★ ★

On 15th April Dr. J. V. Whitaker retired after 27 years' service as Senior Chest Physician at the Nottingham and District Chest Centre.

After a length of 25 years' service for the Health Committee, Dr. Freda M. Chalkley retired in July, after a notable career.

Dr. Duncan MacMillan, the Psychiatric Adviser, retired at the end of August, and a new appointment had not been made by the end of the year.

All who have known and worked with them offer their best wishes for a long, useful and happy retirement.

★ ★ ★

*Footnote to Foreword:* The frontispiece harks back to a past Nottingham, though the photograph was in fact taken in December 1966.

WILLIAM DODD.

6th March, 1967

HEALTH DEPARTMENT,  
HUNTINGDON HOUSE,  
NOTTINGHAM.

TELEPHONE No. 50551

## PART I

### VITAL STATISTICS

## VITAL STATISTICS\*

|                  |    |    |    |    | 1966    | 1965    |
|------------------|----|----|----|----|---------|---------|
| POPULATION       | .. | .. | .. | .. | 310,280 | 310,990 |
| AREA IN ACRES    | .. | .. | .. | .. | 18,364  | 18,364  |
| NO. OF MARRIAGES | .. | .. | .. | .. | 2,863   | 2,677   |

## LIVE BIRTHS

|   |  |               |    |       |       |
|---|--|---------------|----|-------|-------|
| LEGITIMATE                              | MALES 2,479                                    | FEMALES 2,608 | .. | 5,087 | 5,187 |
| ILLEGITIMATE                            | „ 424  | „ 407         | .. | 831   | 883   |
| „                                       | births expressed as a percentage of all births |               |    |       |       |
|   | ..   | ..            | .. | 14.04 | 14.55 |
| TOTAL NO. OF BIRTHS                     |  |               |    | 5,918 | 6,070 |
| Live Birth Rate per 1,000 of population |  |               |    | 19.08 | 19.52 |

## STILLBIRTHS

|  |          |            |    |       |       |
|--|----------|------------|----|-------|-------|
| LEGITIMATE                                     | MALES 46 | FEMALES 38 | .. | 84    | 95    |
| ILLEGITIMATE                                   | „ 2      | „ 5        | .. | 7     | 21    |
| TOTAL NO. OF STILLBIRTHS                       |          |            |    | 91    | 116   |
| Stillbirth Rate per 1,000 live and stillbirths |          |            |    | 15.14 | 18.75 |
| TOTAL NO. OF LIVE AND STILLBIRTHS              |          |            |    | 6,009 | 6,186 |

## INFANT DEATHS

|   |    |                       |    |       |       |
|---|----|-----------------------|----|-------|-------|
| ..  | .. | ..                    | .. | 167   | 165   |
| Infant Mortality Rate                             |    | TOTAL                 | .. | 28.22 | 27.18 |
| „   | „  | „ legitimate births   | .. | 27.72 | 26.22 |
| „   | „  | „ illegitimate births | .. | 30.08 | 32.84 |
| Neo-Natal Mortality Rate—first four weeks of life |    |                       |    | 17.07 | 17.96 |
| Early Neo-Natal Mortality Rate—first week of life |    |                       |    | 14.87 | 15.32 |
| Peri-Natal Mortality Rate                         |    |                       |    | 29.79 | 33.79 |

## MATERNAL DEATHS (see page 21)

|  |    |      |   |
|--|----|------|---|
| ..   | .. | 2    | 0 |
| Maternal Mortality Rate per 1,000 live and stillbirths |    | 0.33 | — |

## DEATHS AT ALL AGES

|                                    |               |    |       |       |
|------------------------------------|---------------|----|-------|-------|
| MALES 1,956                        | FEMALES 1,920 | .. | 3,876 | 3,656 |
| Death Rate per 1,000 of population |               | .. | 12.49 | 11.76 |

\* Provisional. See page 11.



# POPULATIONS, BIRTH, DEATH, INFANT AND MATERNAL MORTALITY RATES

|              | Estimated<br>Population | Birth-rate           | Death-rate | Infant<br>mortality                             | Maternal<br>mortality |
|--------------|-------------------------|----------------------|------------|---|-----------------------|
|              |                         | per 1,000 population |            | rate per 1,000<br>live births      total births |                       |
| 1851-1855 .. | 55,883                  | —                    | —          | —   | —                     |
| 1856-1860 .. | 59,741                  | 36.8                 | 27.2       | 209   | —                     |
| 1861-1865 .. | 75,765                  | 34.8                 | 24.9       | 192   | —                     |
| 1866-1870 .. | 88,040                  | 31.3                 | 23.8       | 200   | —                     |
| 1871-1875 .. | 89,510                  | 34.1                 | 24.9       | 192   | —                     |
| 1876-1880 .. | 142,756*                | 34.6                 | 21.7       | 175   | —                     |
| 1881-1885 .. | 208,937*                | 36.6                 | 20.9       | 174   | —                     |
| 1886-1890 .. | 229,762                 | 30.4                 | 17.9       | 168   | —                     |
| 1891-1895 .. | 219,770                 | 29.5                 | 18.3       | 174   | —                     |
| 1896-1900 .. | 235,200                 | 28.9                 | 18.5       | 191   | —                     |
| 1901-1905 .. | 246,020                 | 27.7                 | 17.2       | 170   | —                     |
| 1906-1910 .. | 260,483                 | 26.1                 | 15.8       | 152   | 4.54                  |
| 1911-1915 .. | 264,316                 | 22.9                 | 15.1       | 137   | 3.66                  |
| 1916-1920 .. | 264,151                 | 19.1                 | 16.0       | 113   | 4.66                  |
| 1921-1925 .. | 268,900                 | 20.4                 | 12.9       | 90  | 3.34                  |
| 1926-1930 .. | 266,000                 | 17.5                 | 13.6       | 88  | 3.78                  |
| 1931 ..      | 270,900                 | 17.2                 | 13.6       | 82  | 4.1                   |
| 32 ..        | 270,700                 | 16.4                 | 12.5       | 80  | 3.0                   |
| 33 ..        | 283,030†                | 15.8                 | 13.4       | 85  | 3.5                   |
| 34 ..        | 281,850                 | 15.6                 | 12.3       | 69  | 2.4                   |
| 35 ..        | 280,200                 | 15.7                 | 12.5       | 81  | 4.4                   |
| 36 ..        | 279,400                 | 15.2                 | 13.2       | 89  | 4.5                   |
| 37 ..        | 278,800                 | 16.0                 | 13.4       | 80  | 2.8                   |
| 38 ..        | 278,300                 | 15.6                 | 12.7       | 71  | 1.8                   |
| 39 ..        | 278,800                 | 15.8                 | 13.3       | 66  | 1.3                   |
| 40 ..        | 263,600                 | 16.5                 | 15.5       | 61  | 2.7                   |
| 41 ..        | 258,100                 | 16.0                 | 14.0       | 80  | 2.8                   |
| 42 ..        | 255,900                 | 18.2                 | 13.1       | 62  | 2.5                   |
| 43 ..        | 265,400                 | 19.1                 | 14.3       | 65  | 1.38                  |
| 44 ..        | 262,310                 | 21.7                 | 13.2       | 56  | .85                   |
| 45 ..        | 265,090                 | 19.7                 | 12.9       | 53  | 1.33                  |
| 46 ..        | 283,160                 | 22.0                 | 12.5       | 42  | 1.09                  |
| 47 ..        | 291,150                 | 23.9                 | 12.3       | 50  | 1.26                  |
| 48 ..        | 296,900                 | 19.8                 | 10.9       | 44  | .49                   |
| 49 ..        | 300,640                 | 18.9                 | 11.8       | 38  | .51                   |
| 50 ..        | 307,000                 | 17.4                 | 11.1       | 31  | .37                   |
| 51 ..        | 306,600                 | 16.97                | 11.98      | 33  | .57                   |
| 52 ..        | 310,700†                | 16.71                | 10.74      | 28  | .38                   |
| 53 ..        | 311,500                 | 16.64                | 11.01      | 27  | .77                   |
| 54 ..        | 311,500                 | 16.05                | 10.61      | 24  | .59                   |
| 55 ..        | 312,000                 | 15.67                | 11.28      | 28  | .60                   |
| 56 ..        | 312,500                 | 16.50                | 11.15      | 22  | .76                   |
| 57 ..        | 312,600                 | 17.52                | 10.82      | 23  | .36                   |
| 58 ..        | 313,000                 | 17.82                | 10.93      | 22  | 1.05                  |
| 59 ..        | 313,300                 | 17.95                | 11.48      | 24  | .35                   |
| 60 ..        | 313,760                 | 18.26                | 10.97      | 23  | .51                   |
| 61 ..        | 313,280                 | 18.59                | 12.29      | 27  | .34                   |
| 62 ..        | 314,360                 | 19.86                | 12.14      | 25  | .47                   |
| 63 ..        | 315,050                 | 20.29                | 11.96      | 26  | .15                   |
| 64 ..        | 311,850                 | 19.95                | 11.56      | 23  | .16                   |
| 65 ..        | 310,990                 | 19.52                | 11.76      | 27  | —                     |
| 66 ..        | 310,280                 | 19.08                | 12.49      | 28  | .33                   |

\* Borough Boundary Extension.

† City Boundary Extension.



## ANALYSIS OF DEATHS FROM BIRTH TO 5 YEARS\*

| REGISTERED<br>CAUSES OF DEATH                               | 0—6 days | 7—13 days | 14—20 days | 21—27 days | TOTAL<br>UNDER 28 DAYS | TOTAL UNDER<br>1 YEAR | 1 year | 2 years | 3 years | 4 years | TOTAL<br>1—4 YEARS |
|---|----------|-----------|------------|------------|------------------------|-----------------------|--------|---------|---------|---------|--------------------|
| Prematurity .. ..   | 42       | 1         | —          | —          | 43                     | 43                    | —      | —       | —       | —       | —                  |
| Congenital malforma-<br>tions .. ..                         | 13       | 3         | 1          | 1          | 18                     | 29                    | —      | —       | —       | —       | —                  |
| Birth injuries .. ..  | 17       | —         | —          | —          | 17                     | 17                    | —      | —       | —       | —       | —                  |
| Atelectasis .. ..   | 3        | —         | —          | —          | 3                      | 3                     | —      | —       | —       | —       | —                  |
| Haemolytic disease of<br>the newborn .. ..                  | 4        | —         | —          | —          | 4                      | 4                     | —      | —       | —       | —       | —                  |
| Bronchitis .. ..  | —        | —         | —          | —          | —                      | 6                     | 3      | 4       | —       | —       | 7                  |
| Pneumonia, all forms ..                                     | 1        | 1         | 1          | 2          | 5                      | 26                    | 1      | —       | —       | —       | 1                  |
| Other respiratory<br>diseases and<br>conditions .. ..       | 2        | —         | —          | —          | 2                      | 8                     | 2      | —       | —       | —       | 2                  |
| Gastro-intestinal<br>infection including<br>dysentery .. .. | —        | —         | —          | 1          | 1                      | 8                     | —      | —       | —       | —       | —                  |
| Whooping Cough .. ..  | —        | —         | —          | —          | —                      | 1                     | —      | —       | —       | —       | —                  |
| Meningococcal<br>infection .. ..                            | —        | —         | —          | 1          | 1                      | 1                     | —      | —       | —       | —       | —                  |
| Non-meningococcal<br>meningitis .. ..                       | —        | —         | —          | —          | —                      | 2                     | —      | 1       | —       | —       | 1                  |
| Tuberculosis .. ..  | —        | —         | —          | —          | —                      | 1                     | 1      | —       | —       | —       | 1                  |
| Malignant neoplasms ..                                      | 1        | —         | —          | —          | 1                      | 1                     | 1      | —       | 1       | —       | 2                  |
| Abdominal<br>emergencies .. ..                              | 3        | —         | —          | —          | 3                      | 4                     | —      | —       | —       | —       | —                  |
| Accident (a) motor ..                                       | —        | —         | —          | —          | —                      | —                     | —      | 1       | 1       | 1       | 3                  |
| (b) other ..  | —        | —         | —          | —          | —                      | 1                     | 1      | 1       | 1       | —       | 3                  |
| Suffocation .. ..   | —        | —         | —          | —          | —                      | —                     | —      | —       | —       | —       | —                  |
| Other conditions .. ..                                      | 2        | 1         | —          | —          | 3                      | 12                    | —      | —       | —       | 1       | 1                  |
| TOTALS .. ..  | 88       | 6         | 2          | 5          | 101                    | 167                   | 9      | 7       | 3       | 2       | 21                 |

\*Compiled from Local Registrars' Death Returns.

## FINAL STATISTICS

|                          | 1966    | 1965    | 1964    | 1963    | 1962    |
|--------------------------|---------|---------|---------|---------|---------|
| POPULATION .. .. .       | 310,280 | 310,990 | 311,850 | 315,050 | 314,360 |
| AREA IN ACRES .. .. .    | 18,364  | 18,364  | 18,364  | 18,364  | 18,364  |
| NO. OF MARRIAGES .. .. . | 2,863   | 2,677   | 2,656   | 2,682   | 2,606   |

## Live Births

|   |        |        |        |        |        |
|---|--------|--------|--------|--------|--------|
| LEGIT. M. 2,627 F. 2,518 ..                               | 5,145  | 5,187  | 5,378  | 5,535  | 5,484  |
| ILLEGIT. M. 450 F. 426 ..                                 | 876    | 883    | 843    | 857    | 759    |
| ILLEGIT. expressed as percentage of<br>all births .. .. . | 14.54% | 14.55% | 13.55% | 13.41% | 12.16% |
| TOTAL BIRTHS .. .. .                                      | 6,021  | 6,070  | 6,221  | 6,392  | 6,243  |
| LIVE BIRTH RATE .. .. .                                   | 19.40  | 19.52  | 19.95  | 20.29  | 19.86  |

## Stillbirths

|                               |       |       |       |       |       |
|-------------------------------|-------|-------|-------|-------|-------|
| LEGIT. M. 50 F. 35 ..         | 85    | 95    | 111   | 92    | 106   |
| ILLEGIT. M. 4 F. 2 ..         | 6     | 21    | 18    | 14    | 15    |
| TOTAL STILLBIRTHS .. .. .     | 91    | 116   | 129   | 106   | 121   |
| STILLBIRTH RATE .. .. .       | 14.88 | 18.75 | 20.31 | 16.31 | 19.04 |
| Total Live and Stillbirths .. | 6,112 | 6,186 | 6,350 | 6,498 | 6,364 |

## Infant Deaths

|                                   |       |       |       |       |       |
|-----------------------------------|-------|-------|-------|-------|-------|
|                                   | 170   | 165   | 144   | 164   | 154   |
| Infant Mort. Rate—Total ..        | 29.89 | 27.18 | 23.15 | 25.66 | 24.67 |
| „ „ „ —legit. births ..           | 27.40 | 26.22 | 20.45 | 24.57 | 25.35 |
| „ „ „ —illegit. births ..         | 33.10 | 32.84 | 40.33 | 32.67 | 19.76 |
| Neo-Natal Mortality Rate ..       | 17.27 | 17.96 | 15.75 | 15.49 | 15.54 |
| Early Neo-Natal Mortality Rate .. | 15.11 | 15.32 | 13.82 | 12.20 | 13.78 |
| Peri-Natal Mortality Rate ..      | 29.78 | 33.79 | 33.86 | 28.32 | 32.53 |

## Maternal Deaths

|                            |   |   |      |      |      |
|----------------------------|---|---|------|------|------|
|                            | 0 | 0 | 1    | 1    | 3    |
| MATERNAL MORTALITY RATE .. | — | — | 0.16 | 0.15 | 0.47 |

## Deaths at all Ages

|                      |       |       |       |       |       |
|----------------------|-------|-------|-------|-------|-------|
| M. 2,002 F. 1,936 .. | 3,938 | 3,656 | 3,604 | 3,767 | 3,817 |
| DEATH RATE .. .. .   | 12.69 | 11.76 | 11.56 | 11.96 | 12.14 |



## ANALYSIS OF DEATHS

|  | 1966         | 1965         | 1964         | 1963         | 1962         |
|--|--------------|--------------|--------------|--------------|--------------|
| <b>Total Deaths</b> .. ..                              | <b>3,938</b> | <b>3,656</b> | <b>3,604</b> | <b>3,767</b> | <b>3,817</b> |
| Deaths under 1 year .. ..                              | <b>170</b>   | 165          | 144          | 164          | 154          |
| " 1—4 years .. ..                                      | <b>21</b>    | 22           | 24           | 23           | 17           |
| " 5—44 " .. ..   | <b>184</b>   | 175          | 205          | 185          | 173          |
| " 45—64 " .. ..  | <b>912</b>   | 881          | 859          | 848          | 850          |
| " 65 and over .. ..                                    | <b>2,651</b> | 2,413        | 2,372        | 2,547        | 2,623        |
| <b>Causes of Deaths:—</b>                              |              |              |              |              |              |
| Coronary disease, angina .. ..                         | <b>626</b>   | 606          | 553          | 535          | 496          |
| Vascular lesions of nervous system .. ..               | <b>520</b>   | 521          | 445          | 502          | 496          |
| *Heart disease .. ..                                   | <b>387</b>   | 407          | 448          | 518          | 534          |
| Bronchitis .. ..                                       | <b>365</b>   | 259          | 291          | 301          | 403          |
| Defined and ill-defined diseases—<br>various .. ..     | <b>354</b>   | 318          | 322          | 337          | 341          |
| *Malignant and lymphatic neoplasms .. ..               | <b>336</b>   | 310          | 300          | 332          | 318          |
| Pneumonia .. ..  | <b>252</b>   | 200          | 219          | 207          | 217          |
| *Circulatory disease .. ..                             | <b>200</b>   | 185          | 165          | 192          | 174          |
| Malignant neoplasm, lung, bronchus .. ..               | <b>184</b>   | 193          | 201          | 181          | 186          |
| Accidents, other than motor vehicle<br>accidents .. .. | <b>91</b>    | 95           | 85           | 91           | 64           |
| Hypertension with heart disease .. ..                  | <b>75</b>    | 66           | 45           | 77           | 74           |
| Malignant neoplasm, stomach .. ..                      | <b>66</b>    | 87           | 98           | 80           | 76           |
| Malignant neoplasm, breast .. ..                       | <b>58</b>    | 60           | 68           | 63           | 44           |
| Influenza .. ..  | <b>50</b>    | 6            | 19           | 5            | 29           |
| Motor vehicle accidents .. ..                          | <b>48</b>    | 33           | 47           | 40           | 41           |
| Congenital malformations .. ..                         | <b>47</b>    | 32           | 33           | 32           | 41           |
| *Diseases of respiratory system .. ..                  | <b>39</b>    | 33           | 35           | 28           | 39           |
| Suicide .. ..  | <b>37</b>    | 45           | 33           | 43           | 42           |
| Diabetes .. ..   | <b>37</b>    | 30           | 14           | 24           | 22           |
| Ulcer of stomach and duodenum .. ..                    | <b>32</b>    | 30           | 40           | 42           | 28           |
| Malignant neoplasm, uterus .. ..                       | <b>31</b>    | 25           | 28           | 31           | 40           |
| Gastritis, enteritis and diarrhoea .. ..               | <b>29</b>    | 21           | 12           | 22           | 23           |
| Nephritis and nephrosis .. ..                          | <b>17</b>    | 22           | 20           | 16           | 22           |
| Leukaemia, aleukaemia .. ..                            | <b>13</b>    | 25           | 30           | 21           | 9            |
| Hyperplasia of prostate .. ..                          | <b>11</b>    | 12           | 17           | 16           | 18           |
| Tuberculosis, respiratory .. ..                        | <b>11</b>    | 12           | 16           | 14           | 26           |
| Other infective and parasitic diseases .. ..           | <b>9</b>     | 4            | 8            | 2            | —            |
| Homicide and operations of war .. ..                   | <b>5</b>     | 4            | 2            | 2            | 4            |
| Syphilitic disease .. ..                               | <b>3</b>     | 7            | 4            | 8            | 1            |
| Tuberculosis, non respiratory .. ..                    | <b>3</b>     | 5            | 1            | 2            | 2            |
| Meningococcal infection .. ..                          | <b>1</b>     | 1            | 1            | 1            | 2            |
| Whooping cough .. ..                                   | <b>1</b>     | —            | —            | 1            | 1            |
| Measles .. ..  | —            | 2            | 3            | —            | 1            |
| Pregnancy, childbirth, abortion .. ..                  | —            | —            | 1            | 1            | 3            |
| Acute poliomyelitis .. ..                              | —            | —            | —            | —            | —            |
| Diphtheria .. ..                                       | —            | —            | —            | —            | —            |

\* Not given otherwise in table.

## PART II

# THE PERSONAL HEALTH SERVICES

National Health Service Acts 1946-1961

Public Health Acts 1936-1961

Mental Health Act 1959

HEALTH CENTRES

MATERNAL AND CHILD HEALTH

HOME NURSING

INFECTIOUS DISEASE CONTROL

AMBULANCE

PREVENTION OF ILLNESS, CARE AND  
AFTER-CARE

HOME HELP

MENTAL HEALTH



## HEALTH CENTRES

### JOHN RYLE HEALTH CENTRE

Ministry approval to this scheme and agreement of a cost limit of £34,500 enabled building to reach an advanced stage by the end of the year. This purpose-built health centre, now being erected in the centre of Clifton Estate, was designed to replace temporary accommodation which, with the growth of the estate since 1952, had become eccentrically sited.

### BESTWOOD PARK HEALTH CENTRE

This project made considerable headway in the planning stages, leading to agreement on site layout and detailed design of the Centre. The building is to provide four general practitioner suites and one treatment room in addition to clinic facilities; in all, nine doctors have shown a readiness to practise there.

At the time of writing, the Ministry of Health had approved the scheme, and agreement on a cost limit reached.

### HYSON GREEN HEALTH CENTRE

Progress on the Hyson Green health centre project was marked by two important developments.

The first was confirmation in July, by the Ministry of Health, of a compulsory purchase order in connection with the acquisition of properties on the site.

The second had wider implications. In September, following representations, the Minister of Health decided to amend the General Dental Services Regulations to allow dentists practising in the health centre to choose whether to be paid by salary or,

subject to the approval of the Executive Council, by fees in the same way as dentists practising elsewhere. Consequently, it was decided to include a dental suite comprising two dental surgeries and ancillary accommodation for general dental practitioner use, in addition to a similar suite for local authority purposes.

★ ★ ★

Preliminary discussions also took place about the phasing, the siting and the type and extent of accommodation needed in schemes in the following areas:—

Bulwell,  
Sneinton,  
St. Ann's Well Road,  
The Civic Centre, and  
The Meadows

In the case of Sneinton a site was reserved early in the 1950's when the Welfare Centre was constructed.



## MATERNAL AND CHILD HEALTH

**Live Births.** There were 5,918 live births to city mothers during 1966, a decrease of 2·50 per cent on the figure of 6,070 for the previous year. The live birth rate was 19·08 compared with 19·52 for 1965.

**Stillbirths.** The number of stillbirths was 91, giving a rate of 15·14 per 1,000 total births, a decrease on the figure of 18·75 for the previous year.

The enquiry into the history of each stillbirth was continued and an analysis of the results is given in the table on page 22.

| Year    | Live Births |       |                 | Stillbirths |       |                 |
|---------|-------------|-------|-----------------|-------------|-------|-----------------|
|         | Nottingham  |       | England & Wales | Nottingham  |       | England & Wales |
|         | Number      | Rate  | Rate            | Number      | Rate  | Rate            |
| 1950 .. | 5,363       | 17·47 | 15·8            | 107         | 19·5  | 22·7            |
| 51 ..   | 5,203       | 16·97 | 15·5            | 114         | 22·72 | 23·0            |
| 52 ..   | 5,191       | 16·71 | 15·3            | 120         | 22·58 | 22·7            |
| 53 ..   | 5,185       | 16·64 | 15·5            | 107         | 18·97 | 22·5            |
| 54 ..   | 5,001       | 16·05 | 15·2            | 101         | 19·79 | 23·5            |
| 55 ..   | 4,893       | 15·67 | 15·0            | 125         | 24·91 | 23·2            |
| 56 ..   | 5,155       | 16·50 | 15·6            | 125         | 23·67 | 22·9            |
| 57 ..   | 5,478       | 17·52 | 16·1            | 109         | 19·51 | 22·5            |
| 58 ..   | 5,577       | 17·82 | 16·4            | 131         | 22·95 | 21·6            |
| 59 ..   | 5,624       | 17·95 | 16·5            | 114         | 19·87 | 21·0            |
| 60 ..   | 5,729       | 18·26 | 17·1            | 115         | 19·68 | 19·8            |
| 61 ..   | 5,823       | 18·59 | 17·4            | 119         | 20·03 | 19·1            |
| 62 ..   | 6,243       | 19·86 | 18·0            | 121         | 19·04 | 18·1            |
| 63 ..   | 6,392       | 20·29 | 18·1            | 106         | 16·31 | 17·2            |
| 64 ..   | 6,221       | 19·95 | 18·4            | 129         | 20·31 | 16·3            |
| 65 ..   | 6,070       | 19·52 | 18·1            | 116         | 18·75 | 15·8            |
| 66 ..   | 5,918       | 19·08 | 17·7            | 91          | 15·14 | 15·3            |

**Infant Mortality.** An increase occurred in the number of infant deaths which totalled 167, giving an infant mortality rate of 28·22. In 1965, the rate was 27·18.

The registered causes of death obtained from the local registrars' returns have been coded and are shown on page 10. An analysis is summarised in the following table in comparison with the experience of previous years.

| Death due to                 | Number of deaths |      |      |      |      |      |      |      |
|------------------------------|------------------|------|------|------|------|------|------|------|
|                              | 1966             | 1965 | 1964 | 1963 | 1962 | 1961 | 1960 | 1959 |
| Prematurity .. ..            | 43               | 67   | 49   | 49   | 50   | 63   | 38   | 34   |
| Congenital malformations     | 29               | 24   | 21   | 25   | 30   | 31   | 21   | 27   |
| Birth injuries .. ..         | 17               | 12   | 9    | 2    | 8    | 6    | 8    | 15   |
| Atelectasis .. ..            | 3                | 3    | 11   | 8    | 14   | 11   | 14   | 8    |
| Respiratory diseases ..      | 40               | 28   | 31   | 41   | 27   | 24   | 25   | 35   |
| Gastro intestinal infections | 8                | 6    | 2    | 9    | 4    | 4    | 4    | 1    |
| Other causes .. ..           | 27               | 25   | 21   | 30   | 21   | 22   | 23   | 16   |
|                              | 167              | 165  | 144  | 164  | 154  | 161  | 133  | 136  |

| Comparison of Local and National Rates |            |       |                 |
|--|------------|-------|-----------------|
| Year                                   | Nottingham |       | England & Wales |
|  | Number     | Rate  | Rate            |
| 1951 ..                                | 170        | 32.7  | 29.7            |
| 52 ..                                  | 146        | 28.13 | 27.6            |
| 53 ..                                  | 140        | 27.00 | 26.8            |
| 54 ..                                  | 122        | 24.35 | 25.4            |
| 55 ..                                  | 137        | 28.00 | 24.9            |
| 56 ..                                  | 113        | 21.92 | 23.7            |
| 57 ..                                  | 126        | 23.00 | 23.1            |
| 58 ..                                  | 123        | 22.05 | 22.6            |
| 59 ..                                  | 136        | 24.18 | 22.2            |
| 60 ..                                  | 133        | 23.22 | 21.9            |
| 61 ..                                  | 161        | 27.65 | 21.6            |
| 62 ..                                  | 154        | 24.67 | 21.6            |
| 63 ..                                  | 164        | 25.66 | 21.1            |
| 64 ..                                  | 144        | 23.15 | 19.9            |
| 65 ..                                  | 165        | 27.18 | 19.0            |
| 66 ..                                  | 167        | 28.22 | 18.9            |

**Neo-Natal Mortality.** There were 101 deaths of infants in the neo-natal period, giving a mortality rate of 17.07 compared with 17.96 in the previous year.



| Death rates per 1,000 live births |               |                        |
|-----------------------------------|---------------|------------------------|
| Year                              | Under 4 weeks | From 4 weeks to 1 year |
| 1954 ..                           | 14.80         | 9.55                   |
| 55 ..                             | 16.76         | 11.24                  |
| 56 ..                             | 15.13         | 6.79                   |
| 57 ..                             | 15.15         | 7.85                   |
| 58 ..                             | 15.42         | 6.63                   |
| 59 ..                             | 17.25         | 6.93                   |
| 60 ..                             | 15.36         | 7.86                   |
| 61 ..                             | 20.61         | 7.04                   |
| 62 ..                             | 15.54         | 9.13                   |
| 63 ..                             | 13.92         | 10.17                  |
| 64 ..                             | 15.75         | 7.40                   |
| 65 ..                             | 17.96         | 9.22                   |
| 66 ..                             | 17.07         | 11.15                  |

## NEO-NATAL MORTALITY RATES

| Cause of Death              | 1966 | 1965 | 1964 | 1963 | 1962 | 1961 |
|-----------------------------|------|------|------|------|------|------|
| Prematurity .. ..           | 4.4  | 9.1  | 5.7  | 6.1  | 5.6  | 9.0  |
| Congenital malformations .. | 3.7  | 2.1  | 2.6  | 1.9  | 3.5  | 4.9  |
| Other causes .. ..          | 8.9  | 6.8  | 7.4  | 5.9  | 6.4  | 6.7  |

**Early Neo-Natal Mortality.** A decrease occurred in the number of children dying during the first week of life; 88 infants died and the mortality rate was 14.87 compared with 15.32 per 1,000 live births in 1965.

**Peri-natal Mortality.** The decrease in the number of stillbirths and early neo-natal deaths resulted in a lower peri-natal mortality than in the previous year when the rate was 33.79. The total stillbirths and early neo-natal deaths was 179, giving a peri-natal mortality rate of 29.79.

The following table is derived from the combined results of the stillbirth and neo-natal death enquiry.

| Primary factors in causation           | Deaths |                   |
|--|--------|-------------------|
|  | Total  | Premature infants |
| Ante-natal causes:                     |        |                   |
| Toxaemia including haemorrhage .. .. . | 14     | 12                |
| A.P.H. without toxaemia .. .. .        | 16     | 13                |
| Rh. incompatibility .. .. .            | 10     | 4                 |
| Intra-natal causes:                    |        |                   |
| Injury .. .. .                         | 23     | 14                |
| Asphyxia .. .. .                       | 10     | 3                 |
| Atelectasis .. .. .                    | 4      | —                 |
| Post-natal causes:                     |        |                   |
| Infection only .. .. .                 | 2      | 1                 |
| Congenital malformation .. .. .        | 38     | 27                |
| Prematurity only .. .. .               | 28     | 28                |
| Hyaline Membrane Disease .. .. .       | 5      | 5                 |
| Other causes .. .. .                   | 29     | 14                |
| All causes .. .. .                     | 179    | 121               |

**Illegitimate Births.** Of the 5,918 live births to city mothers, 831 or 14·04 per cent were illegitimate. The statistics for Nottingham and for England and Wales are compared with those for previous years in the next table. A comparison of illegitimacy rates according to country of origin of the mother is shown on page 21.

| Year    | Illegitimate Live births |            |                 |
|---------|--------------------------|------------|-----------------|
|         | Nottingham               |            | England & Wales |
|         | Number                   | % of total | % of total      |
| 1952 .. | 382                      | 7·4        | 4·8             |
| 53 ..   | 366                      | 7·1        | 4·7             |
| 54 ..   | 375                      | 7·5        | 4·7             |
| 55 ..   | 354                      | 7·2        | 4·7             |
| 56 ..   | 384                      | 7·4        | 4·8             |
| 57 ..   | 457                      | 8·3        | 4·8             |
| 58 ..   | 514                      | 9·2        | 4·9             |
| 59 ..   | 547                      | 9·7        | 5·1             |
| 60 ..   | 524                      | 9·1        | 5·4             |
| 61 ..   | 646                      | 11·09      | 5·9             |
| 62 ..   | 759                      | 12·16      | 6·6             |
| 63 ..   | 857                      | 13·41      | 6·5             |
| 64 ..   | 843                      | 13·55      | 7·2             |
| 65 ..   | 830                      | 13·77      | N.A.            |
| 66 ..   | 831                      | 14·04      | N.A.            |

There were 25 deaths of illegitimate children during the first year of life, 14 occurring in the neo-natal period.



## MORTALITY RATES

| Year    | Neo-Natal    |            | Infant       |            |
|---------|--------------|------------|--------------|------------|
|         | Illegitimate | Legitimate | Illegitimate | Legitimate |
| 1962 .. | 15·81        | 16·05      | 19·76        | 25·35      |
| 63 ..   | 23·34        | 12·47      | 32·67        | 24·57      |
| 64 ..   | 30·86        | 13·40      | 40·33        | 20·45      |
| 65 ..   | 27·71        | 16·74      | 32·84        | 26·22      |
| 66 ..   | 16·85        | 17·10      | 30·08        | 27·72      |

**Prematurity.** In 1966, 8·03 per cent of all live births were premature compared with 7·91 in the previous year.

The total number of premature live births was 475 of whom 68 died in the first month of life and 16 in the age group one month to one year.

The neo-natal mortality rate was 143·16 per 1,000 premature births compared with 6·06 for mature infants. The rate for those between one month and one year of age was 33·68 for premature babies and 9·19 for mature babies.

## Neo-Natal Mortality of Premature Babies

| Birth weight                  | Born at home |                         |      |       |                |      |       | Born in hospitals and nursing homes |          |       |
|-------------------------------|--------------|-------------------------|------|-------|----------------|------|-------|-------------------------------------|----------|-------|
|                               | No. born     | Transferred to hospital |      |       | Nursed at home |      |       | No. born                            | No. died | %     |
|                               |              | No.                     | Died | %     | No.            | Died | %     |                                     |          |       |
| Up to & incl. 3 lb. 4 oz. . . | 3            | 2                       | 1    | 50·00 | 1              | 1    | 100·0 | 56                                  | 43       | 76·78 |
| 3 lb. 5 oz.—                  |              |                         |      |       |                |      |       |                                     |          |       |
| 4 lb. 6 oz.                   | 13           | 12                      | —    | —     | 1              | 1    | 100·0 | 73                                  | 13       | 17·81 |
| 4 lb. 7 oz.—                  |              |                         |      |       |                |      |       |                                     |          |       |
| 4 lb. 15 oz.                  | 27           | 10                      | 1    | 10·00 | 17             | —    | —     | 74                                  | 4        | 5·33  |
| 5 lb. 0 oz.—                  |              |                         |      |       |                |      |       |                                     |          |       |
| 5 lb. 8 oz.                   | 61           | 8                       | —    | —     | 53             | —    | —     | 168                                 | 4        | 2·38  |
| TOTALS ..                     | 104          | 32                      | 2    | 6·25  | 72             | 2    | 2·70  | 371                                 | 64       | 17·25 |



### Live Births and Infant Mortality Related to Country of Origin of Mother

| Country of origin of mother           | Total Live Births | Premature | % Premature | Illegitimate | % Illegitimate | Infant Deaths |
|---------------------------------------|-------------------|-----------|-------------|--------------|----------------|---------------|
| Great Britain and Northern Ireland .. | 5,018             | 408       | 8.1         | 699          | 13.9           | 145           |
| Eire .. .. .                          | 178               | 10        | 5.6         | 17           | 9.5            | 4             |
| West Indies .. ..                     | 419               | 21        | 5.0         | 106          | 25.3           | 9             |
| India .. .. .                         | 90                | 14        | 15.6        | 2            | 2.2            | 3             |
| Pakistan .. .. .                      | 61                | 10        | 16.4        | —            | —              | 2             |
| Others .. .. .                        | 152               | 12        | 7.9         | 7            | 4.6            | 4             |
| TOTALS .. .. .                        | 5,918             | 475       | 8.0         | 831          | 14.1           | 167           |

**Maternal Deaths.** Only two deaths were recorded of mothers resident in the city; the maternal mortality rate was 0.33 per 1,000 total births. The cause of death certified was as follows:—

- (1) (a) Infarction of the liver
- (b) Sick cell disease 25 years
- (2) (i) Post mortem examination and inquest
  - (a) Pulmonary oedema
  - (b) Acute staphylococcal endocarditis 38 years
  - (c) Rheumatic heart disease
- (ii) Associated normal pregnancy 30 weeks

## ANALYSIS OF STILLBIRTHS

|                               | Total | Born at  |      |              | Legitimate | Sex |    | Premature | Maceration | Place in family |    |    |    |           | Age of mother |       |       |       |       |       |
|-------------------------------|-------|----------|------|--------------|------------|-----|----|-----------|------------|-----------------|----|----|----|-----------|---------------|-------|-------|-------|-------|-------|
|                               |       | Hospital | Home | Nursing Home |            | M.  | F. |           |            | 1               | 2  | 3  | 4  | 5 or over | 15-19         | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
| Ante-natal causes:            |       |          |      |              |            |     |    |           |            |                 |    |    |    |           |               |       |       |       |       |       |
| (a) Toxaemia ..               | 13    | 13       | —    | —            | 13         | 7   | 6  | 11        | 9          | 5               | 4  | 3  | 1  | —         | 1             | 4     | 2     | 2     | 4     | —     |
| (b) *A.P.H.; no toxaemia      | 12    | 12       | —    | —            | 12         | 10  | 2  | 10        | 3          | 1               | 3  | 2  | 3  | 3         | —             | 4     | 5     | 1     | 2     | —     |
| (c) Rhesus incompatibility .. | 6     | 6        | —    | —            | 5          | 3   | 3  | 2         | 4          | —               | 1  | —  | 3  | 2         | —             | —     | 4     | 1     | 1     | —     |
| Intra-natal causes:           |       |          |      |              |            |     |    |           |            |                 |    |    |    |           |               |       |       |       |       |       |
| (a) Injury ..                 | 2     | 2        | —    | —            | 1          | 1   | 1  | —         | —          | 1               | —  | —  | —  | 1         | —             | 1     | —     | —     | —     | 1     |
| (b) Asphyxia ..               | 8     | 6        | 2    | —            | 7          | 5   | 3  | 1         | 1          | 2               | 2  | 2  | 1  | 1         | 1             | 2     | 3     | 2     | —     | —     |
| Prematurity only ..           | 3     | 3        | —    | —            | 3          | 2   | 1  | 3         | 1          | 1               | —  | —  | 1  | 1         | 1             | —     | 2     | —     | —     | —     |
| Congenital malformation       | 21    | 19       | 2    | —            | 20         | 6   | 15 | 17        | 3          | 9               | 6  | 3  | 1  | 2         | 2             | 5     | 9     | 1     | 3     | 1     |
| Other causes ..               | 26    | 21       | 5    | —            | 20         | 15  | 11 | 14        | 14         | 9               | 3  | 4  | 2  | 8         | 2             | 6     | 5     | 7     | 6     | —     |
| TOTAL ..                      | 91    | 82       | 9    | —            | 81         | 49  | 42 | 58        | 35         | 28              | 19 | 14 | 12 | 18        | 7             | 22    | 30    | 14    | 16    | 2     |

\* Ante-partum haemorrhage.



## ANALYSIS OF NEO-NATAL DEATHS

|                               | Total | Born at  |      |              | Legitimate | Sex |    | Premature | Age at death |            |          |           | Place in family |    |    |    |           | Age of mother |       |       |       |       | Not Known |       |
|-------------------------------|-------|----------|------|--------------|------------|-----|----|-----------|--------------|------------|----------|-----------|-----------------|----|----|----|-----------|---------------|-------|-------|-------|-------|-----------|-------|
|                               |       | Hospital | Home | Nursing Home |            | M.  | F. |           | 0-23 hrs.    | 24-47 hrs. | 2-6 days | 7-27 days | 1               | 2  | 3  | 4  | 5 or over | 15-19         | 20-24 | 25-29 | 30-34 | 35-39 |           | 40-44 |
|                               |       |          |      |              |            |     |    |           |              |            |          |           |                 |    |    |    |           |               |       |       |       |       |           |       |
| Ante-natal causes:            | 1     | 1        | —    | —            | 1          | —   | 1  | 1         | —            | —          | —        | 1         | —               | —  | —  | —  | —         | 1             | —     | —     | —     | —     | —         |       |
| (a) Toxaemia ..               | 4     | 4        | —    | —            | 4          | 1   | 3  | 3         | 1            | 2          | 1        | —         | 1               | 2  | 1  | —  | 1         | 2             | 1     | —     | —     | —     |           |       |
| (b) *A.P.H. ; no toxaemia ..  | 4     | 4        | —    | —            | 4          | 3   | 1  | 2         | 3            | —          | 1        | —         | —               | 1  | 2  | —  | 1         | —             | 1     | 1     | 1     | —     |           |       |
| (c) Rhesus incompatibility .. |       |          |      |              |            |     |    |           |              |            |          |           |                 |    |    |    |           |               |       |       |       |       |           |       |
| Intra-natal causes:           | 21    | 20       | 1    | —            | 17         | 14  | 7  | 14        | 13           | 5          | 3        | —         | 9               | 5  | 2  | 4  | 1         | 4             | 8     | 6     | 2     | 1     | —         |       |
| (a) Injury ..                 | 2     | 1        | 1    | —            | 1          | 2   | —  | 2         | 2            | —          | —        | —         | 1               | 1  | —  | —  | —         | 1             | 1     | —     | —     | —     |           |       |
| (b) Asphyxia ..               | 4     | 3        | 1    | —            | 3          | 3   | 1  | —         | 1            | 2          | 1        | —         | 2               | —  | 2  | —  | —         | 1             | 1     | 1     | 1     | —     |           |       |
| (c) Atelectasis ..            |       |          |      |              |            |     |    |           |              |            |          |           |                 |    |    |    |           |               |       |       |       |       |           |       |
| Prematurity only ..           | 26    | 24       | 2    | —            | 23         | 13  | 13 | 26        | 20           | 2          | 3        | 1         | 8               | 2  | 6  | 3  | 7         | 4             | 7     | 5     | 5     | 3     | 1         |       |
| Congenital malformation ..    | 22    | 18       | 4    | —            | 19         | 11  | 11 | 10        | 9            | 2          | 6        | 5         | 9               | 6  | 1  | 2  | 4         | 5             | 1     | 8     | 3     | 3     | 2         |       |
| Hyaline Mem. Dis.             | 5     | 4        | 1    | —            | 4          | 3   | 2  | 5         | 2            | 2          | 1        | —         | 5               | —  | —  | —  | —         | 2             | 2     | 1     | —     | —     | —         |       |
| Infection:                    |       |          |      |              |            |     |    |           |              |            |          |           |                 |    |    |    |           |               |       |       |       |       |           |       |
| (a) Respiratory ..            | 6     | 5        | 1    | —            | 5          | 2   | 4  | 2         | —            | —          | 2        | 4         | —               | —  | 4  | —  | 2         | 1             | 3     | 2     | —     | —     | —         |       |
| (b) Gastro-intestinal         | 1     | 1        | —    | —            | —          | —   | 1  | —         | —            | —          | —        | 1         | —               | —  | —  | —  | 1         | —             | —     | 1     | —     | —     | —         |       |
| (c) Other ..                  | 2     | 1        | 1    | —            | 2          | —   | 2  | 1         | —            | —          | —        | 2         | —               | —  | 1  | 1  | —         | —             | 1     | 1     | —     | —     | —         |       |
| Other causes ..               | 3     | 2        | 1    | —            | 3          | 2   | 1  | —         | 1            | —          | 2        | —         | 1               | —  | 1  | —  | 1         | 1             | —     | 1     | 1     | —     | —         |       |
| TOTAL ..                      | 101   | 88       | 13   | —            | 86         | 54  | 47 | 66        | 53           | 15         | 20       | 13        | 37              | 17 | 20 | 10 | 17        | 20            | 28    | 28    | 13    | 8     | 3         |       |

\*Ante-partum haemorrhage.



## MIDWIFERY SERVICE

There were 99 fewer domiciliary confinements than in 1965; these numbered 2,497 or 42·1 per cent of the total births to city mothers. In addition, 18 mothers living in the county were delivered by city midwives.

Because of the continued shortage of hospital beds, 1,434 or 41·7 per cent of women confined there were discharged early for nursing at home, an increase of 1·3 per cent. This included 1,154 mothers who were booked for hospital delivery and early discharge, 272 who were booked for home delivery and admitted to hospital because of abnormality during pregnancy or labour, and eight unbooked cases.

Midwives' clinics were held weekly at ten centres when there were 14,477 attendances at 527 sessions, the average attendance being 27·5; these sessions did not include instruction in relaxation which was given weekly at seven centres and was designed for mothers expecting to be confined at home, the hospitals making provision for their own patients. Altogether, 853 mothers attended a total of 567 classes, the average attendance being 5·6 as compared with 6·1 last year.

Midwives continued to assist at the surgeries of four general practitioners.

### CONSULTATIONS BY MIDWIVES

|                                    |        |
|------------------------------------|--------|
| Ante-natal .. .. .                 | 17,037 |
| Post-natal .. .. .                 | 43,912 |
| Special .. .. .                    | 9,368  |
| Social emergency investigations .. | 784    |

**Hospital Confinements on Social Grounds.** Because of unsatisfactory home conditions, arrangements were made for 554 mothers to be delivered in hospital from a total of 758 requests; 37·0 per cent of those accepted were not natives of the British Isles, a decrease of 3·2 per cent.

| Country of origin     | Number of applicants |      |      |      |      |
|-----------------------|----------------------|------|------|------|------|
|                       | 1966                 | 1965 | 1964 | 1963 | 1962 |
| British Isles .. ..   | 488                  | 475  | 402  | 408  | 407  |
| West Indies .. ..     | 161                  | 183  | 255  | 304  | 302  |
| India and Pakistan .. | 85                   | 55   | 44   | 43   | 42   |
| Others .. ..          | 24                   | 22   | 24   | 41   | 12   |

**Maternity Medical Services.** There was a further rise to 96·9 per cent in the proportion of mothers having their confinement at home who booked general practitioners, but there was a further decrease to 6·3 per cent in the proportion of confinements at which doctors were present.

| Year | Total home confinements | Confinements   |         |                 |         |
|------|-------------------------|----------------|---------|-----------------|---------|
|      |                         | Doctors booked |         | Doctors present |         |
|      |                         | No.            | % total | No.             | % total |
| 1954 | 2,541                   | 1,355          | 53·3    | 352             | 13·9    |
| 55   | 2,521                   | 1,478          | 58·6    | 323             | 12·8    |
| 56   | 2,646                   | 1,705          | 64·4    | 292             | 11·0    |
| 57   | 2,844                   | 1,972          | 69·2    | 308             | 10·8    |
| 58   | 2,863                   | 2,088          | 72·9    | 274             | 9·6     |
| 59   | 2,933                   | 2,105          | 71·8    | 247             | 8·4     |
| 60   | 2,876                   | 2,237          | 77·7    | 214             | 7·4     |
| 61   | 2,858                   | 2,323          | 81·3    | 298             | 10·4    |
| 62   | 3,323                   | 2,755          | 82·9    | 399             | 14·0    |
| 63   | 3,173                   | 2,905          | 91·6    | 311             | 9·8     |
| 64   | 2,969                   | 2,817          | 94·8    | 303             | 10·5    |
| 65   | 2,596                   | 2,496          | 96·0    | 207             | 8·3     |
| 66   | 2,497                   | 2,423          | 96·9    | 153             | 6·3     |

**Consultant Clinic.** The reduction in the number of mothers who attended this clinic reflected a further decline in those receiving their ante-natal care from the Department. The clinic



was held once a fortnight at Edwards Lane Welfare Centre; 52 attended before confinement, none afterwards and there were 66 return visits.

**X-Ray Examination.** In May, X-ray examination of expectant mothers was revised in accordance with recommendations of the Professional Advisory Committee of the Sheffield Regional Hospital Board which suggested that examination should be limited to immigrants and those who had not received B.C.G. vaccination within the last two years, except in exceptional circumstances; 173 expectant mothers were examined, there were 89 defaulters and none was referred for further examination.

**Blood Examinations.** The number of specimens examined is indicated in the following tables and shows a further increase in the number of mothers referred who had been booked under the Maternity Medical Service by general practitioners. The marked reduction in the number of expectant mothers attending the Health Committee's clinics for ante-natal care was reflected in a similar decrease in the number of samples sent from them for examination.

#### BLOOD GROUPING AND RHESUS TYPING

| Year    | Clinic Cases |        | Total | General Practitioner Cases |        | Total | Delivery and Post Natal Samples |
|---------|--------------|--------|-------|----------------------------|--------|-------|---------------------------------|
|         | New          | Repeat |       | New                        | Repeat |       |                                 |
| 1962 .. | 436          | 337    | 773   | 509                        | 252    | 761   | 257                             |
| 63 ..   | 288          | 237    | 525   | 473                        | 333    | 806   | 188                             |
| 64 ..   | 168          | 161    | 329   | 449                        | 271    | 720   | 215                             |
| 65 ..   | 115          | 94     | 209   | 477                        | 280    | 757   | 250                             |
| 66 ..   | 93           | 64     | 157   | 567                        | 307    | 874   | 318                             |

## KHAN AND WASSERMAN REACTION

| Year    | Clinic Cases | Positive | General Practitioner Cases | Positive | Total |
|---------|--------------|----------|----------------------------|----------|-------|
| 1962 .. | 1,101        | 11       | 930                        | 18       | 2,031 |
| 63 ..   | 702          | 12       | 1,168                      | 21       | 1,870 |
| 64 ..   | 461          | —        | 1,137                      | 8        | 1,598 |
| 65 ..   | 338          | 2        | 1,224                      | 4        | 1,562 |
| 66 ..   | 213          | —        | 1,409                      | —        | 1,622 |

## HAEMOGLOBIN ESTIMATION

| Year    | Clinic Cases |        | Total | General Practitioner Cases |        | Total | Blood Films |
|---------|--------------|--------|-------|----------------------------|--------|-------|-------------|
|         | New          | Repeat |       | New                        | Repeat |       |             |
| 1962 .. | 1,205        | 1,160  | 2,365 | 1,568                      | 564    | 2,132 | 906         |
| 63 ..   | 840          | 764    | 1,604 | 1,679                      | 885    | 2,564 | 729         |
| 64 ..   | 510          | 443    | 953   | 1,589                      | 815    | 2,404 | 501         |
| 65 ..   | 342          | 266    | 608   | 1,744                      | 878    | 2,622 | 294         |
| 66 ..   | 199          | 208    | 407   | 1,861                      | 1,047  | 2,908 | 354         |

**Analgesia.** In May 1965 the Central Midwives' Board, in consultation with the Medical Research Council, recommended that equal parts of nitrous oxide and oxygen should replace the 'gas and air' mixture used by midwives as analgesia for women in labour. The machines, made by The British Oxygen Company, were purchased in June but, by the end of the year, the firm was still unable to guarantee a regular supply of cylinders of the mixture.

The following table shows the use of analgesia drugs during labour by city midwives:—



## ANALGESIA

| Drug  | 1966         |                         | 1965         |                         |
|---|--------------|-------------------------|--------------|-------------------------|
|   | No. of cases | Percentage total births | No. of cases | Percentage total births |
| Pethidine only .. ..                        | 306          | 12·3                    | 286          | 11·0                    |
| Pethidine and gas and air ..                | 300          | 12·0                    | 345          | 13·3                    |
| Pethidine and trilene .. ..                 | 368          | 14·7                    | 428          | 16·5                    |
| Pethidine and trilene and gas and air .. .. | 3            | 0·2                     | 1            | 0·04                    |
| Gas and air .. ..                           | 322          | 12·9                    | 349          | 11·9                    |
| Trilene .. ..                               | 432          | 17·3                    | 551          | 21·2                    |
| Nitrous oxygen and oxide ..                 | 100          | 4·0                     | —            | —                       |

**Hospital Admissions.** There were 46 emergency admissions to hospital at midwives' request, an increase of 15 compared with last year; eight of these cases were mothers who had neither sought ante-natal care nor made arrangements for confinement.

**Medical Aid.** There were 1,492 calls to doctors, of which 1,391 were to their own booked cases and 101 or 6·8 per cent were made under the Emergency Medical Service, including the Emergency Treatment Service which was inaugurated on 28th March. The latter is a national scheme devised to meet the shortage of doctors; it is optional, and, in Nottingham, is limited to general practitioner obstetricians. They deputise for one another on rota in order to provide reasonable off-duty time.

The main reasons were rupture of the perineum, prolonged labour, foetal distress, pre-eclamptic toxæmia and premature labour.

**Maternity Emergency Service.** There was a reduction in the number of calls to the mobile obstetric unit based at the City Hospital as compared with last year; an analysis of the calls is shown in the table on page 32.

## CONFINEMENTS IN THE CITY

| PLACE                   | NOTTINGHAM mothers |       |           | OTHERS |       |           | TOTALS |
|-------------------------|--------------------|-------|-----------|--------|-------|-----------|--------|
|                         | Total              | Live  | Stillborn | Total  | Live  | Stillborn |        |
| At home —               |                    |       |           |        |       |           |        |
| Conducted by midwife .. | 2,493              | 2,484 | 9         | 18     | 17    | 1         | 2,511  |
| „ „ Private doctor ..   | 1                  | 1     | —         | —      | —     | —         | 1      |
| „ „ husband ..          | 1                  | 1     | —         | —      | —     | —         | 1      |
| Born in Ambulance ..    | —                  | —     | —         | 1      | 1     | —         | 1      |
| No one in attendance .. | 2                  | 2     | —         | —      | —     | —         | 2      |
|                         | 2,497              | 2,488 | 9         | 19     | 18    | 1         | 2,516  |
| Hospitals—City ..       | 2,220              | 2,167 | 53        | 710    | 684   | 26        | 2,930  |
| Firs ..                 | 490                | 479   | 11        | 603    | 596   | 7         | 1,093  |
| Women's ..              | 440                | 426   | 14        | 1,433  | 1,403 | 30        | 1,873  |
| „ St. Mary's Annexe ..  | 46                 | 45    | 1         | 114    | 114   | —         | 160    |
| Highbury ..             | 246                | 243   | 3         | 1,051  | 1,025 | 26        | 1,297  |
|                         | 3,442              | 3,360 | 82        | 3,911  | 3,822 | 89        | 7,353  |
| TOTALS ..               | 5,939              | 5,848 | 91        | 3,930  | 3,840 | 90        | 9,869  |



## MULTIPLE DELIVERIES

| PLACE OF CONFINEMENT            | Total | Twins |       | Triplets |       |
|---------------------------------|-------|-------|-------|----------|-------|
|                                 |       | City  | Other | City     | Other |
| At home—conducted by midwife .. | 6     | 6     | —     | —        | —     |
| Hospitals—City .. ..            | 59    | 41    | 17    | 1        | —     |
| Firs .. ..                      | 15    | 8     | 7     | —        | —     |
| Women's .. ..                   | 38    | 11    | 26    | —        | 1     |
| „ St. Mary's                    |       |       |       |          |       |
| Annexe .. ..                    | 3     | 1     | 2     | —        | —     |
| Highbury .. ..                  | 12    | 1     | 11    | —        | —     |
| TOTALS .. ..                    | 133   | 68    | 63    | 1        | 1     |

## TOTAL MEDICAL AID CALLS TO DOCTORS

| Mothers                           | 1966  |                        | 1965  |                        | 1964  |                        | 1963  |                        |
|-----------------------------------|-------|------------------------|-------|------------------------|-------|------------------------|-------|------------------------|
|                                   | No.   | % of home confinements | No.   | % of home confinements | No.   | % of home confinements | No.   | % of home confinements |
| Ruptured perineum ..              | 696   | 27.88                  | 617   | 23.87                  | 725   | 24.42                  | 772   | 24.28                  |
| Prolonged labour ..               | 96    | 3.82                   | 117   | 4.53                   | 118   | 3.97                   | 100   | 3.15                   |
| Foetal distress ..                | 65    | 2.59                   | 79    | 3.06                   | 73    | 2.46                   | 76    | 2.39                   |
| Pyrexia ..                        | 45    | 1.79                   | 56    | 2.17                   | 48    | 1.62                   | 47    | 1.48                   |
| Abnormal presentation ..          | 47    | 1.87                   | 58    | 2.24                   | 60    | 2.02                   | 68    | 2.14                   |
| Ante-partum haemorrhage ..        | 50    | 1.99                   | 62    | 2.40                   | 46    | 1.55                   | 53    | 1.67                   |
| Post-partum haemorrhage ..        | 29    | 1.15                   | 39    | 1.51                   | 36    | 1.21                   | 44    | 1.38                   |
| Retained placenta ..              | 19    | 0.76                   | 27    | 1.04                   | 24    | 0.81                   | 29    | 0.91                   |
| Obstetric shock ..                | 1     | 0.04                   | 4     | 0.15                   | 1     | 0.03                   | 3     | 0.09                   |
| Abortion and miscarriage ..       | 4     | 0.16                   | 6     | 0.23                   | 10    | 0.34                   | 18    | 0.57                   |
| Phlebitis ..                      | 9     | 0.36                   | 15    | 0.58                   | 16    | 0.54                   | 25    | 0.79                   |
| Premature labour ..               | 65    | 2.59                   | 61    | 2.36                   | 57    | 1.92                   | 52    | 1.64                   |
| Pre-eclamptic toxæmia ..          | 48    | 1.91                   | 65    | 2.51                   | 39    | 1.31                   | 49    | 1.54                   |
| Hypertension ..                   | 8     | 0.32                   | 12    | 0.46                   | 31    | 1.04                   | 25    | 0.79                   |
| Breast conditions ..              | 13    | 0.52                   | 11    | 0.43                   | 25    | 0.84                   | 23    | 0.72                   |
| Urinary conditions ..             | 5     | 0.20                   | 9     | 0.35                   | 11    | 0.37                   | 10    | 0.31                   |
| Premature rupture of membranes .. | 39    | 1.55                   | 54    | 2.09                   | 46    | 1.55                   | 50    | 1.57                   |
| Anaemia ..                        | 10    | 0.40                   | 15    | 0.58                   | 24    | 0.81                   | 23    | 0.72                   |
| Post maturity ..                  | 14    | 0.56                   | 16    | 0.62                   | 10    | 0.34                   | 12    | 0.38                   |
| Other conditions ..               | 40    | 1.59                   | 62    | 2.40                   | 57    | 1.92                   | 66    | 2.08                   |
| Total ..                          | 1,303 | 51.89                  | 1,385 | 53.47                  | 1,457 | 49.07                  | 1,545 | 48.60                  |

## TOTAL MEDICAL AID CALLS TO DOCTORS

| Infants                  | 1966 |                        | 1965 |                        | 1964 |                        |
|--------------------------|------|------------------------|------|------------------------|------|------------------------|
|                          | No.  | % of home confinements | No.  | % of home confinements | No.  | % of home confinements |
| Prematurity ..           | 14   | 0.56                   | 6    | 0.23                   | 15   | 0.50                   |
| Stillbirths ..           | 2    | 0.08                   | 15   | 0.58                   | 10   | 0.34                   |
| Asphyxia and Cyanosis .. | 35   | 1.39                   | 31   | 1.19                   | 41   | 1.38                   |
| Jaundice ..              | 5    | 0.20                   | 3    | 0.12                   | 8    | 0.27                   |
| Deformity ..             | 19   | 0.76                   | 9    | 0.35                   | 16   | 0.54                   |
| Skin conditions ..       | 9    | 0.36                   | 5    | 0.19                   | 3    | 0.10                   |
| Eye discharges ..        | 33   | 1.31                   | 66   | 2.54                   | 53   | 1.78                   |
| Respiratory disorders .. | 7    | 0.28                   | 15   | 0.58                   | 14   | 0.47                   |
| Alimentary conditions .. | 15   | 0.60                   | 13   | 0.50                   | 13   | 0.44                   |
| Other conditions ..      | 18   | 0.72                   | 20   | 0.77                   | 32   | 1.08                   |
| Total ..                 | 157  | 6.25                   | 183  | 7.05                   | 205  | 6.90                   |

## ADMISSIONS TO CITY HOSPITAL DIRECT FROM CITY MIDWIVES

| Mothers                        | 1966      | 1965      | 1964      | 1963      | 1962      |
|--------------------------------|-----------|-----------|-----------|-----------|-----------|
| Retained placenta ..           | —         | 1         | —         | 3         | —         |
| Premature labour ..            | 7         | 3         | 3         | 5         | 11        |
| Ante-partum haemorrhage ..     | 5         | 6         | —         | 5         | 8         |
| Post-partum ..                 | —         | 2         | —         | —         | —         |
| Threatened abortion ..         | 2         | —         | —         | 3         | 3         |
| Toxaemia ..                    | 2         | 2         | 1         | —         | —         |
| Prolonged labour ..            | 3         | 3         | 1         | —         | 3         |
| Malpresentation ..             | 5         | 2         | 1         | —         | 3         |
| Unbooked social emergency ..   | 9         | 9         | 7         | 4         | 3         |
| Hypertension ..                | —         | —         | —         | —         | —         |
| Foetal distress ..             | 2         | 1         | 1         | 1         | —         |
| Other conditions ..            | 5         | 1         | 2         | 3         | 4         |
| Premature rupture of membranes | 5         | 1         | 2         | 2         | —         |
|                                | <u>45</u> | <u>31</u> | <u>18</u> | <u>26</u> | <u>35</u> |
| <b>Infants</b>                 |           |           |           |           |           |
| Prematurity ..                 | 1         | —         | 1         | 2         | —         |



| USE OF OBSTETRIC UNIT                  |  |      |      |      |
|--|--|------|------|------|
|  |  | 1966 | 1965 | 1964 |
| Post partum haemorrhage, primary .. .. |  | 8    | 5    | 9    |
| " " " secondary .. ..                  |  | —    | 1    | —    |
| " " " with shock .. ..                 |  | 1    | —    | 2    |
| Retained placenta .. ..                |  | 11   | 15   | 15   |
| " " and post partum haemorrhage .. ..  |  | —    | 2    | 3    |
| " " and delay in second stage .. ..    |  | —    | 1    | —    |
| Uterine inertia .. ..                  |  | —    | 1    | —    |
| Severe anaemia .. ..                   |  | —    | —    | —    |
| Prolapsed cord .. ..                   |  | —    | —    | —    |
| Ante partum haemorrhage .. ..          |  | —    | 1    | 1    |
| Malpresentation .. ..                  |  | 4    | —    | —    |
| Foetal distress .. ..                  |  | 1    | —    | —    |
| Obstetric shock .. ..                  |  | 1    | 1    | 1    |
| Asphyxiated baby .. ..                 |  | —    | 1    | —    |
| Eclampsia .. ..                        |  | —    | —    | —    |
| Abortion .. ..                         |  | —    | —    | —    |
| TOTALS .. ..                           |  | 26   | 28   | 31   |

**Oxygen.** Each midwife carried a 'Sparklet' apparatus; oxygen was administered by inhalation to 14 babies.

**Home Care of Premature Babies.** Fewer babies were born prematurely at home than last year. Of eight specially trained midwives, two carried out the nursing of 224 premature and special care babies with the assistance of one part-time midwife. Because of shortage of staff during the month of January, health visitors assisted with the care of 58 babies after their return home from hospital.

#### CARE OF PREMATURE BABIES

|   | 1966  | 1965  | 1964  |
|---|-------|-------|-------|
| Premature babies born at home .. ..                 | 107   | 97    | 112   |
| Subsequently removed to hospital .. ..              | 33    | 34    | 29    |
| Discharged from hospital for domiciliary care .. .. | 198   | 200   | 195   |
| Visits paid during the year .. ..                   | 3,080 | 2,876 | 3,905 |

**Eye Conditions.** There was a decrease in the number of requests for medical aid from midwives for eye conditions, and only one case was notified which was not gonococcal in origin.

**Puerperal Pyrexia.** There were 20 cases notified, 19 of whom were delivered in hospital; of these deliveries, eight lived in the city and 11 in the county.

**Central Sterile Supply Unit.** The scheme has worked smoothly on the whole, but transport of packs proved the greatest problem and still needs constant supervision.

**Night Rota Scheme.** This scheme has worked well with six midwives on duty at night, each averaging six nights on call in 28 days.

**Central Telephone.** The arrangements made by the ambulance control centre for transmitting night calls continued to work smoothly.

**Radio Communications.** The scheme provided for the installation of a system of radio communication, in the first instance covering the whole of the Midwifery Service and part of the Home Nursing Service. If the system proves satisfactory, consideration will be given to its extension to other of the Health Committee's services at a later date.

Advice was taken from certain technical officers of the Corporation and thanks are expressed to the Chief Constable, the City Engineer and the City Transport Manager for their help and co-operation.

After considering this advice, and inspecting certain systems in operation, the Health Committee decided to invite the firm of Pye Telecommunications Ltd. to tender for the equipment



necessary to provide the system required by the Committee. The system contains the necessary base station equipment for the main aerial at Mapperley and other stations at the Ernest Purser Welfare Centre, Wilford Road, and the Transport Committee's garage at Beechdale Road. The control equipment is at the main Ambulance Depot at Beechdale Road. There will then be 50 mobile stations, used as follows:—

|  |       |
|--|-------|
| By Midwives .. .. .                    | 35    |
| Home Nurses .. .. .                    | 6     |
| Chief Ambulance Officer .. .. .        | 1     |
| Deputy Chief Ambulance Officer .. .. . | 1     |
| Reserve .. .. .                        | 7     |
|  | <hr/> |
|  | 50    |
|  | <hr/> |

In the first place it was intended that the mobile stations would be fitted with selective calling devices which would ensure a certain amount of privacy and also mean that users would not have to listen to all the conversations taking place on the system. That meant that certain extra equipment needed to be installed in each mobile station and the cost was higher and delivery dates would have been longer.

After consultations with the firm, therefore, it was decided that a composite scheme should be introduced for a trial period of at least six months. Of the 50 mobile sets, 35 will not include selective calling facilities but the remaining 15 will. As a result of experience arising from the use of the equipment during the trial period, a decision will then be taken whether or not to have selective calling. According to the decision reached, there will either be an additional payment to the firm or a rebate paid to the Corporation relative to the difference in price of the mobile sets.

The firm gave a period of three months as the time within which the base station and control equipment and the 35 mobile sets



without selective calling would be delivered. The remaining 15 mobile sets with selective calling will be delivered some five to six months later. The trial period will start from this later date. First deliveries were made early in December, and the system became operational on Christmas Eve.

The total capital cost was £8,363 15s. 0d. and the estimated annual running costs are as follows:—

|                          |    |    |       |
|--------------------------|----|----|-------|
| Maintenance of equipment | .. | .. | £ 920 |
| Replacement batteries    | .. | .. | 50    |
| G.P.O. Licences          | .. | .. | 108   |
| G.P.O. Land-line rentals | .. | .. | 120   |
| Miscellaneous            | .. | .. | 22    |
| Debt charges ( 7 years)  | .. | .. | 1,552 |
|                          |    |    | <hr/> |
|                          |    |    | 2,772 |
|                          |    |    | <hr/> |

**Staff.** At the end of the year, the staff consisted of two supervisors, 38 full-time midwives and 11 employed on a part-time basis. During the year three midwives retired, two full-time and one part-time midwives left; six joined the staff on a full-time basis and one was enrolled for part-time work, resulting in a full-time equivalent of 44 midwives, each with an overall case load of 70 confinements and 34 early discharges from hospital for nursing at home.

Sickness increased to a total of 929 days, the equivalent of the work of four midwives.

A mid-day meal was available to midwives at small cost at one of the midwives' hostels during the last quarter of the year.

**Transport.** Allowances were made to 39 midwives as essential car users, and to 11 part-time midwives as casual users, also to one full-time midwife using a moped and to one cyclist. The arrangements were continued for the hire of taxis to take one midwife who could not drive and pupil midwives to and from confinements.



**Training.** Statutory courses were arranged for one supervisor and 12 midwives, and two attended courses in parentcraft.

Also, arrangements were made with the Matron of the City Hospital for midwives who had been out of hospital for more than five years to attend the obstetric department for four days in order to gain experience in modern methods in midwifery and the care of the new born. By the end of the year, 14 midwives completed the course, and were grateful for the opportunity to have done so.

In association with the Firs Maternity Hospital, 40 places out of a possible 55 were provided for district training of pupil midwives for Part II of the Certificate of the Central Midwives' Board. No medical students were referred from University College Hospital, London, for training in domiciliary midwifery.

**Distribution of practising midwives at end of year**

|  |    |       |
|--|----|-------|
| Domiciliary service                        | .. | 50    |
| City Hospital                              | .. | 33    |
| Firs Maternity Hospital                    | .. | 14    |
| Women's Hospital                           | .. | 26    |
| Highbury Hospital                          | .. | 14    |
| Nursing homes and<br>Nursing co-operations |    | —     |
| Private practice                           | .. | —     |
|  |    | <hr/> |
|  |    | 137   |

|                                  |    |    |    |    |
|----------------------------------|----|----|----|----|
| Ceasing to practise in this area | .. | .. | .. | 28 |
|----------------------------------|----|----|----|----|

During the year, 54 student nurses from the General Hospital, the City Hospital and the Children's Hospital made visits with domiciliary midwives as part of their general training.

In compliance with the syllabus for the Certificate in General Nursing of the General Nursing Council for England and Wales, 1962, six student nurses undergoing three months' obstetric training spent one day with a health visitor and with a midwife visiting patients' homes.

## HEALTH VISITING

**Home Visits.** Further resignations from staff at the beginning of the year and the deployment of field staff to fill vacancies at administrative level reduced the number of health visitors available for field work. Although there was some assistance from social workers, the number of home visits made again decreased.

## HOME VISITS

| VISITS IN CONNECTION WITH       | 1966   | 1965    | 1964    | 1963    | 1962      | 1961    |
|---------------------------------|--------|---------|---------|---------|-----------|---------|
| Pre-school children:            |        |         |         |         |           |         |
| *Primary visits ..              | 30,641 | 32,365  | 33,624  | 33,518  | } 110,685 | 100,931 |
| Revisits ..                     | 47,225 | 58,278  | 73,662  | 74,574  |           |         |
| Old people:                     |        |         |         |         |           |         |
| Primary visits ..               | 814    | 1,143   | 1,451   | 395     | 498       | 493     |
| Revisits ..                     | 1,347  | 1,930   | 3,993   | 4,536   | 4,418     | 4,078   |
| Expectant mothers:              |        |         |         |         |           |         |
| Primary visits ..               | 156    | 241     | 365     | 402     | 411       | 356     |
| Revisits ..                     | 162    | 231     | 373     | 561     | 669       | 314     |
| Housing ..                      | 18     | 222     | 94      | 82      | 72        | 63      |
| Hospital after-care ..          | 61     | 208     | 200     | 66      | 49        | 74      |
| Diabetes ..                     | 16     | 51      | 83      | 45      | 96        | 106     |
| Vaccination and immunisation .. | 36     | 36      | 103     | 38      | 156       | 209     |
| Infectious disease ..           | 1      | 15      | 10      | 14      | 7         | 6       |
| Eye conditions ..               | —      | 1       | —       | 5       | 19        | 5       |
| B.C.G. vaccination ..           | —      | 1       | 1       | 4       | 13        | 7       |
| Neo-natal enquiry ..            | —      | —       | 1       | 3       | 2         | 16      |
| Stillbirth ..                   | 1      | 2       | 4       | 2       | —         | 7       |
| Other ..                        | 426    | 792     | 581     | 693     | 754       | 584     |
| NUMBER OF HOME VISITS ..        | 80,904 | 95,516  | 114,545 | 114,938 | 117,849   | 107,249 |
| "NO ACCESS" VISITS ..           | 18,147 | 22,171  | 23,748  | 22,049  | 24,014    | 22,550  |
| TOTAL VISITS ..                 | 99,051 | 117,687 | 138,293 | 136,987 | 141,863   | 129,799 |

\*Commencing 1963 "primary visits" comprise first visits in each year



**Care of Premature Babies.** In February, the care of premature babies and the supervision of their environmental surroundings reverted to midwives trained in this work. During January, health visitors supervised the care of 12 babies following discharge from hospital and investigated the home conditions prior to the discharge of nine babies.

**Observation Register.** There was a marked reduction in the number of children registered as "at risk" of abnormalities in development resulting from unfavourable influences operating either before, during or after birth. The figure reported in 1965 represented about 10 per cent of the child population aged under five; more realistic criteria reduced this figure to about 6 per cent.

At the end of the year, the register contained the names of 2,687 children grouped as follows:—

| Category                  |    | No. on register |
|---------------------------|----|-----------------|
| Congenital abnormality    | .. | 150             |
| Family history of defect  | .. | 118             |
| Complication of pregnancy | .. | 1,062           |
| „ „ labour                | .. | 1,162           |
| Post-natal factors        | .. | 187             |
| Symptomatic group         | .. | 8               |

**Congenital Malformations.** Ministry of Health Circular No. 13/63 required notification of congenital malformations observable at birth to the Registrar General.

One hundred and eighty-six malformations, affecting 155 children were notified in 1966; the table following summarises their distribution:—

## CONGENITAL MALFORMATIONS

|                         | 1966 | 1965 | 1964 |
|-------------------------|------|------|------|
| Central nervous system  | 50   | 36   | 25   |
| Eye, ear ..             | 3    | 1    | 6    |
| Alimentary system ..    | 13   | 27   | 31   |
| Heart and great vessels | 8    | 17   | 8    |
| Respiratory system ..   | 2    | —    | —    |
| Uro-genital system ..   | 9    | 9    | 13   |
| Limbs ..                | 55   | 34   | 49   |
| Other skeletal ..       | 4    | 3    | 4    |
| Other systems ..        | 33   | 24   | 17   |
| Other malformations ..  | 9    | 9    | 6    |
|                         | 186  | 160  | 159  |

**Ascertainment of Deafness in Pre-School Children.**

Screening tests of hearing were carried out by health visitors on a total of 2,414 children, a further slight decrease in numbers compared with 2,575 in the previous year. Of the total, 330 were regarded as being at special risk.

Eight children were referred for further investigation of unsatisfactory responses; four of these were considered to have normal hearing, three were incompletely investigated by the end of the year, and one with a family history of deafness was confirmed as being severely deaf and subsequently admitted to a special school.

| Welfare Centre     | 1st Tests | Retests | Total |       |       |       |
|--------------------|-----------|---------|-------|-------|-------|-------|
|                    |           |         | 1966  | 1965  | 1964  | 1963  |
| Aspley ..          | 132       | 1       | 133   | 122   | 227   | 215   |
| Basford ..         | 177       | 1       | 178   | 169   | 210   | 212   |
| Bilborough ..      | 159       | 1       | 160   | 241   | 281   | 269   |
| Bulwell ..         | 163       | 5       | 168   | 136   | 189   | 211   |
| Clifton            |           |         |       |       |       |       |
| Southchurch Dr. .. | 55        | —       | 55    | 55    | 74    | 54    |
| Edwards Lane ..    | 213       | 13      | 226   | 253   | 336   | 319   |
| Ernest Purser ..   | 248       | 40      | 288   | 277   | 336   | 296   |
| Hyson Green ..     | 288       | 1       | 289   | 274   | 326   | 262   |
| John Ryle H.C. ..  | 86        | —       | 86    | 137   | 145   | 263   |
| Radford ..         | 248       | 4       | 252   | 306   | 377   | 238   |
| Sherwood Rise ..   | 310       | 11      | 321   | 332   | 168   | 223   |
| Sneinton ..        | 235       | 4       | 239   | 257   | 332   | 775   |
| Wollaton ..        | 100       | —       | 100   | 98    | 123   | 82    |
| TOTAL ..           | 2,414     | 81      | 2,495 | 2,657 | 3,124 | 3,419 |



**Phenylketonuria.** This congenital metabolic defect is easy to detect in the new-born by a simple urine test. It is normally performed when the baby is between four and six weeks old.

The defect, which without adequate dietetic treatment may result in subnormal mental development, is rare but, during 1966, a case was reported and the necessary remedial measures applied. The child, now approaching one year of age, appears to be developing normally. It is of interest to record that another child in the same family, who is attending the training centre, was found to have the same defect; routine testing in infancy was not practised at the time of birth of this second child as the condition was not recognised generally then. During 1966, a total of 6,737 children were screened for the defect by the urine test.

**Co-operation with General Practitioners and with Hospitals.** It has still proved impossible to make formal arrangements for the attachment of health visitors to general practitioners, though one visitor continued to conduct mothercraft classes at the ante-natal clinic held in a group practice surgery. Many requests continued to be received from general practitioners for the assistance of health visitors on a case-to-case basis; the elderly living alone, the difficult family and the unmarried mother, in particular, received help as a result of an approach from the family doctor.

Health visitors went to the Firs Maternity Hospital to give talks to expectant mothers at relaxation clinics, the City Hospital post-natal clinic, the Children's Hospital to discuss the after-care arrangements of children being discharged, and both the General and City Hospitals for consultation on the domiciliary supervision of diabetics.

The Superintendent Nursing Officer received many requests for community health services for patients discharged from hospital.



**Visitors to the Department.** Visits to welfare centres and to individual homes with health visitors were arranged for 467 students representing the Nottingham and Nottinghamshire Joint Training Course for Health Visitors, home nurses studying for admission to the Queen's Roll, student nurses from the General, City and Children's Hospitals, and pupil nurses from Highbury Hospital. Visitors also came from Nottingham University, Nottingham Regional College of Technology, London University, Manchester University and the City of Nottingham Welfare Department.

**Welfare Centres.** Due to an increase in the attendances over the past five years, the Health Committee authorised the increase of clinic sessions at the Wollaton Centre to two each week. The second session, on a Monday afternoon, started in November.

Infant clinics were attended by 61·0 per cent of babies born in 1966, a decrease of 1·2 per cent on 1965. At the end of the year, there were 27 infant sessions and 11 toddler sessions each week at the 13 welfare centres. Attendances at infant sessions, detailed on page 47, showed a decrease of 1·7 per cent compared with the previous year.

**Ante-Natal Clinics.** Although the number of ante-natal sessions continued unchanged, the decrease in attendances reported in previous years continued. Three sessions were combined with the clinics for cervical cytology.

**Consultant Clinics.** The consultant paediatrician attended the Ernest Purser Welfare Centre weekly and saw 28 new cases with 180 visits. One session was held by the consultant ear, nose and throat surgeon at the Edwards Lane Welfare Centre.

**Dental Care of Expectant and Nursing Mothers.**  
*Documentation:* Following the Estimates Committee reports on the



Dental Services, as from 1st January, 1966, the statistical returns of the year's work of the local health authority dental services must be presented to the Ministry of Health in a different form from those of previous years. The object of this is to integrate the main treatment statistics of this service with those provided by the Dental Estimates Board so that an overall picture of the treatment given to maternal and child health patients may become available.

Suitable recording forms have been incorporated in all dental surgery day books since 1st January, 1966, and the system is working smoothly.

Exact comparison of 1966 figures with those of previous years is not, therefore, easy, but the figures for 1965, where known, have been put in brackets.

*Part A—Attendances and Treatment*

| Number of Visits for Treatment during year:—  | Children<br>0-4 (incl.) | Expectant<br>and Nursing<br>Mothers |
|---|-------------------------|-------------------------------------|
| First visit .. .. .   | 342 (369)               | 172 (241)                           |
| Subsequent visits .. .. .   | 50                      | 322                                 |
| Total visits .. .. .  | 392                     | 494                                 |
| Number of additional courses of treatment other<br>than the first course commenced during year .. | —                       | 2                                   |
| Treatment provided during the year—   |                         |                                     |
| Number of fillings .. .. .  | 18 (4)                  | 126 (139)                           |
| Teeth filled .. .. .  | 16                      | 117                                 |
| Teeth extracted .. .. .   | 761 (866)               | 694 (701)                           |
| General anaesthetics given .. .. .  | 343 (390)               | 127 (159)                           |
| Emergency visits by patients .. .. .  | 331                     | 80                                  |
| Patients X-rayed .. .. .  | 2                       | 12                                  |
| Patients treated by scaling and/or removal of<br>stains from the teeth (Prophylaxis) .. .. .      | 6 (Nil)                 | 50 (69)                             |
| Teeth otherwise conserved .. .. .   | 4 (1)                   |                                     |
| Teeth root filled .. .. .   |                         | Nil                                 |
| Inlays .. .. .  |                         | Nil                                 |
| Crowns .. .. .  |                         | Nil                                 |
| Number of courses of treatment completed during<br>the year .. .. .                               | 42 (45)                 | 70 (85)                             |

*Part B—Prosthetics*

|  |          |
|--|----------|
| Patients supplied with full upper or full lower (first time) .. .. . | 22       |
| Patients supplied with other dentures .. .. .                        | 35       |
| Number of dentures supplied .. .. .                                  | 84 (105) |

*Part C—Anaesthetics*

|  |    |
|--|----|
| General anaesthetics administered by Dental Officers | 14 |
|--|----|

*Part D—Inspections*

|  | Children<br>0-4 (incl.) | Expectant<br>and Nursing<br>Mothers |
|--|-------------------------|-------------------------------------|
| Number of patients given first inspections during year | 360 (389)               | 190 (231)                           |
| Number of patients who required treatment ..           | 354                     | 190                                 |
| Number of patients who were offered treatment ..       | 344                     | 188                                 |

*Part E—Sessions*

|  |     |
|--|-----|
| Number of Dental Officer Sessions (i.e. equivalent complete half-days) devoted to Maternity and Child Welfare Patients:— |     |
| For treatment .. .. .  | 86  |
| For health education .. .. .   | Nil |

*Inspection and Treatment*

Comparing the statistics for 1966 with those known for 1965, it may be seen that there is a fall in the numbers of maternal and child health patients dentally inspected and treated. There is a consequential fall in the amount of treatment given.

One disquieting factor which the statistics presented do not show, is the rate of absenteeism in dental treatment attendances:—

|  | Children<br>0-4 (inclusive) | Expectant and<br>Nursing Mothers |
|--|-----------------------------|----------------------------------|
| Appointments made .. .. .              | 438                         | 639                              |
| Absences without prior notification .. | 46                          | 145                              |
| Percentage absentee rate .. .. .       | 10.5%                       | 22.7%                            |

This would appear to show a lack of appreciation by the general public of the value of these services and also of their cost to public funds.



The whole volume of dental treatment is inadequate when related to the population of the City. This is in large measure due to shortage of professional and ancillary staff. It could also be due, at least in part, to the isolation of the dental services from existing welfare centres. In this respect it is gratifying to know that, towards the end of the year, accommodation for dental use was proposed to be provided in the planned Hyson Green Health Centre and that the local authority dental services may have a suite there. As an example of planning policy, this is undoubtedly sound and could even be considered to be repeated in the planning of other Health Centres in the city in the years to come.

**Welfare Foods.** Welfare foods were available for sale at centres attended by mothers and young children and at the distribution centre in Mansfield Road. With the exception of orange juice, the decrease in sales reported in the previous two years continued. Sales of a proprietary milk food and vitamin concentrates showed a rise, partially offsetting the decrease in consumption of the preparations made available through the Ministry's scheme.

| Amounts distributed                | 1966   | 1965   | 1964   | 1963   | 1962   |
|------------------------------------|--------|--------|--------|--------|--------|
| National dried milk—20 oz. tins .. | 40,147 | 48,774 | 59,031 | 70,389 | 75,056 |
| Orange juice—6 oz. bottles ..      | 54,703 | 53,198 | 48,757 | 51,088 | 47,963 |
| Cod liver oil—6 oz. bottles ..     | 4,202  | 4,484  | 4,160  | 5,370  | 6,103  |
| Vitamin tablets—packets of 20 ..   | 4,176  | 4,878  | 5,636  | 6,764  | 6,960  |

**Family Planning.** Facilities were granted by the Health Committee to the Nottingham Women's Welfare, to hold sessions in Welfare Centres.

This voluntary body have for many years provided a service, mainly at the General Dispensary.

Now weekly sessions are held at the Radford, Ernest Purser and Bilborough Welfare Centres, as well as at the John Ryle Health Centre. In addition three evening sessions are held each week at the General Dispensary.

|  |    |    |    |       |
|--|----|----|----|-------|
| Number of sessions held                          | .. | .. | .. | 138   |
| Referred from Maternal and Child Welfare Clinics |    |    |    | 18    |
| Referred from Chest Clinic                       | .. | .. | .. | 4     |
| Referred from General Practitioners              | .. | .. | .. | 28    |
| Attendance on own initiative                     | .. | .. | .. | 1,026 |
| Total attendances                                | .. | .. | .. | 1,076 |

The Family Planning Association started a clinic at the General Hospital in December and obtained Health Committee approval for an additional clinic at the new John Ryle Health Centre in Clifton in 1967.

**Staff.** The vacancy in the post of Deputy Superintendent Health Visitor, reported in 1965, was filled by the promotion of a centre superintendent to an acting position. At the beginning of the year, the Supervisor of Day Nurseries was absent from duty owing to illness for six months; another centre supervisor assisted in this department.

A health visitor was seconded to the Public Health Nursing Administration Course at the Royal College of Nursing and National Council of Nurses.

Seven health visitors joined the staff, six from the Joint Training Course for Health Visitors' session of 1965/66.

One centre supervisor retired and three health visitors left the department. At the end of the year, there remained 29 full-time health visitors and one part-time, including six centre supervisors.

Clinic nurses assisted at ante-natal, midwives', cervical cytology and infant welfare clinics.



Two health visitors undertook the field training of health visitor students.

Sickness among staff accounted for the loss of 142 working days, a decrease of 80 on the previous year and the equivalent of half the work of one member of staff.

Though no social worker was seconded to assist the work of health visitors, there was close co-operation with social workers engaged in other fields, especially in relation to the elderly and problem families. Tuberculosis visitors continued to undertake the visiting of newly arrived immigrants.

**Transport.** Sixteen health visitors were entitled to essential user car allowances.

**Refresher Courses.** One health visitor attended a Field Work Instructors' Course at Southlands College, Wimbledon; another attended a course at Paignton arranged by the Royal College of Nursing and the National Council of Nurses.

**Health Visitors' Training Course.** Of the 14 students who took the examination of the Royal Society of Health in July, all were successful.

Accommodation at the Adult Education Centre in Shakespeare Street was used as before and nine students joined the 1966/67 course at its commencement in October. The City Council of Nottingham sponsored two of the students, four were sponsored by Nottinghamshire County Council and three by other authorities.

Training institutions are now responsible for the conduct of the qualifying examination and the Council for the Training of Health Visitors will grant certificates to successful students.

## ATTENDANCES AT WELFARE CENTRES

|                                   | ANTE-NATAL AND POST-NATAL CLINICS |              |                                    |                           |                    |              |                           |                    |                           |   | INFANT CLINICS     |              |                           | TODDLER CLINICS    |              |                           |
|-----------------------------------|-----------------------------------|--------------|------------------------------------|---------------------------|--------------------|--------------|---------------------------|--------------------|---------------------------|---|--------------------|--------------|---------------------------|--------------------|--------------|---------------------------|
|                                   | Doctors' Clinics                  |              |                                    |                           | Midwives' Clinics  |              |                           | Relaxation Clinics |                           | Attend-<br>ances<br>for<br>blood<br>samples<br>only | No. of<br>sessions | New<br>cases | Total<br>attend-<br>ances | No. of<br>sessions | New<br>cases | Total<br>attend-<br>ances |
|                                   | No. of<br>sessions                | New<br>cases | Post-<br>natal<br>attend-<br>ances | Total<br>attend-<br>ances | No. of<br>sessions | New<br>cases | Total<br>attend-<br>ances | Clinics            |                           |   |                    |              |                           |                    |              |                           |
|                                   |                                   |              |                                    |                           |                    |              |                           | No. of<br>sessions | Total<br>attend-<br>ances |   |                    |              |                           |                    |              |                           |
| Aspley                            | 51                                | 31           | 7                                  | 311                       | 48                 | 277          | 953                       | —                  | —                         | 101   | 97                 | 273          | 2,488                     | 43                 | 3            | 564                       |
| Basford                           | 50                                | 38           | 13                                 | 242                       | 49                 | 365          | 1,243                     | 51                 | 644                       | 164   | 98                 | 232          | 3,470                     | 51                 | 3            | 718                       |
| Bilborough                        | 52                                | 16           | 10                                 | 159                       | 40                 | 144          | 368                       | 36                 | 333                       | 45  | 50                 | 156          | 1,407                     | 49                 | 12           | 569                       |
| Bulwell                           | 51                                | 37           | 14                                 | 327                       | 24                 | 278          | 1,103                     | —                  | —                         | 213   | 100                | 287          | 3,988                     | 49                 | 16           | 704                       |
| Clifton<br>(Southchurch<br>Drive) | —                                 | —            | —                                  | —                         | —                  | —            | —                         | —                  | —                         | —   | 52                 | 144          | 1,811                     | —                  | —            | —                         |
| Edwards Lane                      | 48                                | 21           | 4                                  | 142                       | 51                 | 339          | 1,364                     | 52                 | 302                       | 173   | 99                 | 428          | 3,858                     | 49                 | 4            | 1,037                     |
| Ernest Purser                     | 49                                | 9            | 2                                  | 69                        | 49                 | 417          | 1,307                     | 47                 | 214                       | 159   | 101                | 462          | 3,628                     | 48                 | 18           | 1,422                     |
| Hyson Green                       | 52                                | 1            | —                                  | 8                         | —                  | —            | —                         | —                  | —                         | 147   | 101                | 397          | 6,126                     | 24                 | 12           | 413                       |
| John Ryle H.C.                    | 51                                | 3            | 2                                  | 50                        | 52                 | 409          | 1,613                     | 49                 | 528                       | 516   | 147                | 271          | 2,725                     | 50                 | 18           | 880                       |
| Radford                           | 53                                | 7            | 3                                  | 52                        | 48                 | 603          | 1,766                     | 47                 | 465                       | 518   | 152                | 509          | 4,473                     | 61                 | 38           | 1,025                     |
| Sherwood Rise                     | 46                                | 27           | 9                                  | 252                       | 47                 | 469          | 1,818                     | —                  | —                         | 445   | 102                | 526          | 3,449                     | 31                 | 53           | 1,037                     |
| Sneinton                          | 99                                | 75           | 25                                 | 658                       | 52                 | 639          | 2,235                     | 51                 | 522                       | 432   | 152                | 592          | 4,942                     | 47                 | 32           | 678                       |
| Wollaton                          | —                                 | —            | —                                  | —                         | —                  | —            | —                         | —                  | —                         | —   | 57                 | 171          | 2,827                     | —                  | —            | —                         |
|                                   | 602                               | 265          | 89                                 | 2,270                     | 460                | 3,940        | 13,770                    | 333                | 3,008                     | 2,913   | 1,308              | 4,448        | 45,192                    | 502                | 209          | 9,047                     |
| Consultant                        | 25                                | 52           | —                                  | 118                       |                    |              |                           |                    |                           | Paediatric Clinic<br>E.N.T. Clinic                  | ...                | ...          | ...                       | 35                 | 28           | 180                       |
|                                   |                                   |              |                                    |                           |                    |              |                           |                    |                           |   | ...                | ...          | ...                       | 1                  | 1            | 3                         |



## DAY NURSERIES

The total number of places available for pre-school children remained unchanged at 269. There was an increased number of applications, resulting in rather longer waiting lists for most of the seven nurseries; the greatest total number awaiting admission during the year was 110.

Reasons for admission are shown in the table.

| Reason for admission                       | 1966 | 1965 | 1964 | 1963 | 1962 | 1961 |
|--|------|------|------|------|------|------|
| Parent sole bread-winner                   | 56%  | 58%  | 59%  | 52%  | 46%  | 49%  |
| Family income insufficient                 | 19%  | 18%  | 18%  | 20%  | 23%  | 17%  |
| Mother a nurse, teacher,<br>etc. . . . .   | 12%  | 8%   | 10%  | 9%   | 11%  | 4%   |
| Bad housing conditions . .                 | 1%   | 5%   | 4%   | 8%   | 6%   | 9%   |
| Temporary special requests                 | 5%   | 4%   | 5%   | 6%   | 6%   | 11%  |
| Parent invalid, in prison,<br>etc. . . . . | 7%   | 7%   | 4%   | 5%   | 8%   | 10%  |

**Attendances.** The total for the year was 46,657.

| Age Groups                     | Average daily attendance |            |            |            |            |            |            |
|--------------------------------|--------------------------|------------|------------|------------|------------|------------|------------|
|                                | 1966                     | 1965       | 1964       | 1963       | 1962       | 1961       | 1960       |
| 0-6 months . .                 | 7                        | 8          | 7          | 7          | 7          | 7          | 10         |
| 6 months-2 years               | 62                       | 65         | 66         | 62         | 67         | 64         | 75         |
| 2 years-5 years . .            | 128                      | 136        | 132        | 128        | 129        | 133        | 129        |
| TOTALS . .                     | <u>197</u>               | <u>209</u> | <u>205</u> | <u>197</u> | <u>203</u> | <u>204</u> | <u>214</u> |
| Percentage total<br>places . . | 73                       | 78.2       | 76.1       | 73.9       | 75.8       | 76.2       | 79.1       |

**Charges.** The standard daily charge of 8s. 0d. and the minimum rate of 1s. 6d. remained unchanged. Reduced charges according to means were granted to 167 of 173 who applied.

**Infectious Disease.** An outbreak of infection with two distinct organisms both causing intestinal symptoms—the organisms of Sonne dysentery and Salmonella food-poisoning—occurred during March at the Sycamore Road Nursery. It seemed likely in retrospect that both infections were introduced at or about the same time, but no evidence was found to incriminate any food-stuff, and the exact origin of the episode remained uncertain. In all, 17 children and one staff member were found to be infected with Salmonella stanley, and 12 children and three staff members with Shigella sonnei.

New admissions were suspended, all excretors, symptomless or not, were excluded until three negative specimens had been received, and the nursery returned to normal activity by early May.

Other figures of infectious diseases are given below:—

| Infectious Disease | Number of cases |      |      |      |      |      |      |
|--------------------|-----------------|------|------|------|------|------|------|
|                    | 1966            | 1965 | 1964 | 1963 | 1962 | 1961 | 1960 |
| Measles ..         | 24              | 47   | 42   | 44   | 24   | 54   | 43   |
| Chicken pox ..     | 3               | —    | 15   | 9    | 27   | 7    | 15   |
| German measles ..  | —               | 1    | 1    | 9    | 2    | 9    | —    |
| Sonne dysentery    | 15              | —    | 1    | 6    | 6    | 4    | 51   |
| Mumps ..           | 22              | —    | —    | 5    | —    | —    | 1    |
| Whooping cough     | 1               | —    | —    | —    | 1    | —    | 1    |
| Scarlet fever ..   | —               | 1    | 1    | —    | 1    | 1    | 1    |
| Gastro-enteritis   | —               | —    | —    | —    | —    | —    | —    |
| Tuberculosis ..    | —               | —    | —    | —    | —    | —    | —    |

**Staff.** Nine vacancies which had arisen between January and August were filled in September by newly qualified nursery nurses.



**Training.** Six of the nurseries provided places for students taking the two years' training course for nursery nurses; 32 students commenced the course in September, 1966.

Of 58 who entered for the examination of the Nursery Nurses' Examination Board, 53 were successful, and three students recently tried again.

**Visits to Nurseries.** Twenty-three visits were made to nurseries by various organised groups.

### NURSERIES AND CHILD MINDERS (REGULATION) ACT, 1948

One new application was approved for registration as a daily minder. Several registrations were withdrawn or allowed to lapse, usually due to removal, and the resulting number of registered minders was only two, caring for a total of eight children.

One application for registration of premises for a playgroup for 15 children was approved, and another was under consideration by the end of the year.

At the end of the year there were nine nursery or playgroup premises registered for a total of 221 children.

## ATTENDANCES AT DAY NURSERIES

|              | BULWELL |       |       | DOWSON |     |       | HEATHCOAT STREET |       |       | PIERREPONT |       |       | 95 QUEEN'S DRIVE |       |       | RADFORD |       |       | SYCAMORE ROAD |       |       |
|--------------|---------|-------|-------|--------|-----|-------|------------------|-------|-------|------------|-------|-------|------------------|-------|-------|---------|-------|-------|---------------|-------|-------|
|              | A       | B     | C     | A      | B   | C     | A                | B     | C     | A          | B     | C     | A                | B     | C     | A       | B     | C     | A             | B     | C     |
| JANUARY ..   | 28      | 108   | 400   | —      | 67  | 483   | 73               | 227   | 254   | 5          | 152   | 492   | 29               | 171   | 115   | 18      | 179   | 441   | 15            | 229   | 352   |
| FEBRUARY ..  | 18      | 143   | 431   | —      | 64  | 496   | 71               | 243   | 274   | 2          | 132   | 447   | 23               | 179   | 125   | 9       | 178   | 424   | 15            | 196   | 298   |
| MARCH ..     | 25      | 173   | 528   | —      | 91  | 610   | 46               | 306   | 268   | 50         | 170   | 574   | 34               | 234   | 139   | —       | 235   | 602   | —             | 229   | 379   |
| APRIL ..     | 5       | 114   | 339   | —      | 69  | 463   | 41               | 223   | 243   | 36         | 130   | 390   | 42               | 132   | 115   | —       | 170   | 390   | 5             | 93    | 180   |
| MAY ..       | —       | 200   | 540   | —      | 98  | 495   | 60               | 280   | 242   | 40         | 166   | 447   | 53               | 142   | 155   | —       | 183   | 401   | 20            | 166   | 272   |
| JUNE ..      | —       | 193   | 485   | —      | 117 | 579   | 43               | 236   | 248   | 11         | 222   | 477   | 70               | 166   | 178   | 9       | 178   | 395   | 54            | 165   | 373   |
| JULY ..      | —       | 161   | 423   | —      | 121 | 543   | 78               | 276   | 277   | —          | 214   | 513   | 69               | 144   | 135   | 1       | 151   | 336   | 78            | 144   | 296   |
| AUGUST ..    | —       | 67    | 178   | —      | 31  | 256   | 36               | 138   | 124   | —          | 91    | 252   | 30               | 62    | 40    | —       | 65    | 154   | 15            | 76    | 152   |
| SEPTEMBER .. | 12      | 189   | 493   | —      | 109 | 610   | 64               | 275   | 296   | —          | 247   | 526   | 50               | 153   | 148   | —       | 167   | 413   | 54            | 165   | 409   |
| OCTOBER ..   | 5       | 214   | 458   | —      | 90  | 572   | 52               | 311   | 250   | —          | 217   | 585   | 41               | 281   | 114   | 31      | 183   | 394   | —             | 297   | 400   |
| NOVEMBER ..  | 8       | 199   | 434   | —      | 58  | 611   | 35               | 343   | 264   | —          | 241   | 516   | 9                | 318   | 126   | 43      | 138   | 543   | —             | 317   | 484   |
| DECEMBER ..  | 15      | 142   | 355   | —      | 50  | 498   | 37               | 288   | 212   | —          | 186   | 435   | —                | 274   | 95    | 31      | 76    | 408   | 9             | 225   | 344   |
| TOTALS ..    | 116     | 1,903 | 5,114 | —      | 965 | 6,216 | 636              | 3,146 | 2,952 | 144        | 2,168 | 5,654 | 450              | 2,256 | 1,485 | 142     | 1,903 | 4,901 | 265           | 2,302 | 3,939 |
|              | 7,133   |       |       | 7,181  |     |       | 6,734            |       |       | 7,966      |       |       | 4,191            |       |       | 6,946   |       |       | 6,506         |       |       |

Age Groups A: 0-6 months. B: 6 months-2 years. C: 2 years-5 years.  
 Total Attendances 1,753 14,643 30,261

Grand Total: 46,657.



## THE CARE OF ILLEGITIMATE CHILDREN

There were 831 illegitimate births in 1966, 14·04 per cent of all births. The infant mortality rate for this group was 30·08 per 1,000 illegitimate births.

All expectant mothers applying on social grounds for admission to hospital for their confinements attended the Health Department when the unmarried ones among them were interviewed by a senior health visitor or a social worker for advice concerning ante-natal care, the confinement and arrangements for the care of the baby. Those requiring admission to mother and baby homes were referred to the Southwell Diocesan Board of Moral Welfare.

An analysis of the ages of unmarried mothers interviewed showed that, of the total of 140, 69 were under 20 years of age and none was under 16.

During the year, 267 city expectant unmarried mothers were interviewed by the moral welfare workers of the Southwell Diocesan Board and the Corporation accepted financial responsibility for the maintenance in mother and baby homes of 29 of them, as well as two under the supervision of the Catholic Children's Society. A grant was paid to the Board for the moral welfare work carried out on behalf of the Corporation.

The table following gives the ages of mothers for whom vacancies were obtained at mother and baby homes:—

AGE DISTRIBUTION

| Age Group    | 1966 | 1965 | 1964 | 1963 | 1962 | 1961 |
|--------------|------|------|------|------|------|------|
| Under 15 ..  | —    | 2    | —    | 1    | 3    | 1    |
| 15 and 16 .. | 4    | 5    | 15   | 18   | 7    | 11   |
| 17 and 18 .. | 4    | 11   | 25   | 15   | 17   | 12   |
| 19 and 20 .. | 7    | 9    | 10   | 8    | 6    | 11   |
| Over 20 ..   | 16   | 15   | 11   | 13   | 11   | 13   |

## HOME NURSING SERVICE

Compared with the previous year, the number of new patients in the care of the Home Nursing Service decreased, but their distribution into types of illness and into age groups was proportionately similar. Similarly, the number of patients remaining on the register at the end of the year showed a decrease.

The figures, summarised in the tables on page 55, reflected the increasing emphasis of the home nurse's work amongst the handicapped and elderly towards prophylaxis and after-care in a supervisory capacity with less visiting for traditional nursing procedures. Increased use of auxiliary staff for simple nursing care both during the day and the late evening reduced the average number of visits made by trained staff. Auxiliary staff paid 687 visits to 189 patients.

Prophylactic measures included the routine screening of all new patients for evidence of glycosuria; seven patients found to be excreting sugar required further investigation and treatment.

After-care included regular visiting of patients no longer requiring nursing care but felt to be in need of further observation and the visiting of relatives in the household who were bereaved.

The provision of incontinence pads was extended to adults and children not requiring nursing care; each was visited to assess their requirements and the opportunity was used for giving advice in overcoming the domestic difficulties associated with the disablement. The collecting service for pads and soiled dressings increased as a result of the introduction of new smokeless zones as well as the extra demand for disposable products. The advantage of the pre-packed sterile dressings was recognised by the Ministry's approval of a standard pack obtainable through general practitioners' prescription. The standard pack was limited in use, however, and required the separate sterilisation of instruments and enamel-ware for dressings to be carried out in the home. The experiment in the supply of composite disposable



sterile dressing packs reported last year indicated that meeting the demand of the whole service would involve the full-time work of one state-registered nurse and one auxiliary nurse.

The decrease in the load of daily visits permitted the home nurse more time to establish contact with the family doctor and regular personal liaison became possible. The regular visits of an assistant superintendent to Sherwood Hospital were extended to other hospitals so that patients' needs could be assessed before they returned home.

**Staff.** Recruitment of staff improved, especially in the latter half of the year. Seventeen nurses were appointed and 15 resigned. Absence through sickness and special leave represented a loss equivalent to the work of six full-time nurses. Resignations often reflected the incompatibility of full-time duty with domestic responsibilities. As the result of resignations and absence from duty, it proved impossible to increase the period of weekly off-duty to the remaining staff.

**Transport.** Forty-four nurses were eligible for car allowances for their own vehicles as either essential users or casual users. Twelve scooters and one mini-van were provided by the Corporation for the use of nurses and three nurses claimed allowances for using their own scooters.

**Training.** Nine nurses were successful in the examination for the Queen's Roll and National Certificate of the Ministry of Health. Eleven nurses commenced training in 1966.

**Refresher Courses.** Two nurses attended a residential course at Canterbury Hall, London. One assistant superintendent attended a one-week course at William Rathbone Staff College and another took the three months' Administration Course at William Rathbone Staff College, Liverpool.

**Conferences.** Administrative Nursing Officers attended four conferences including the Queen's Institute of District Nursing Study Day and Conference for Superintendents.

## Comparative index of work over 7 years

|   | 1966    | 1965    | 1964    | 1963    | 1962    | 1961    | 1960    |
|---|---------|---------|---------|---------|---------|---------|---------|
| Register 1st January ..                 | 1,865   | 1,837   | 1,828   | 1,736   | 1,707   | 1,719   | 1,621   |
| New patients ..                         | 3,912   | 3,962   | 3,893   | 4,185   | 4,372   | 4,605   | 4,989   |
| Total visited ..                        | 5,777   | 5,799   | 5,721   | 5,921   | 6,079   | 6,324   | 6,610   |
| Register 31st Dec, ..                   | 1,801   | 1,865   | 1,837   | 1,828   | 1,736   | 1,707   | 1,719   |
| Total nursing visits                    | 192,386 | 203,953 | 203,802 | 207,987 | 207,483 | 217,491 | 224,594 |
| Total supervisory visits ..             | 2,883   | 2,298   | 1,720   | 1,944   | 2,474   | 1,447   | 2,366   |
| Case load—visits per month per nurse .. | 250     | 259     | 262     | 269     | 264     | 279     | 276     |
| <b>Type of illness</b>                  |         |         |         |         |         |         |         |
| Cardio-vascular                         | 1,197   | 1,324   | 1,414   | 1,431   | 1,271   | 1,261   | 1,229   |
| Central nervous                         | 732     | 816     | 735     | 712     | 864     | 824     | 900     |
| Alimentary ..                           | 615     | 520     | 513     | 663     | 757     | 801     | 1,041   |
| Respiratory ..                          | 508     | 516     | 616     | 614     | 689     | 860     | 785     |
| Malignant diseases                      | 594     | 566     | 534     | 527     | 497     | 506     | 537     |
| Senility ..                             | 415     | 398     | 350     | 330     | 285     | 344     | 241     |
| Skin diseases ..                        | 362     | 296     | 254     | 296     | 218     | 104     | 120     |
| Rheumatism, Arthritis ..                | 288     | 274     | 266     | 286     | 239     | 264     | 130     |
| Trauma ..                               | 370     | 334     | 275     | 279     | —       | —       | —       |
| Diabetes ..                             | 269     | 289     | 265     | 269     | 277     | 272     | 275     |
| Genito-urinary ..                       | 221     | 219     | 228     | 243     | 336     | 355     | 401     |
| Tuberculosis ..                         | 100     | 113     | 131     | 137     | 159     | 191     | 210     |
| Infectious fevers ..                    | 2       | 3       | 2       | 6       | 11      | 13      | 7       |
| Other ..                                | 104     | 137     | 138     | 128     | 476     | 529     | 734     |
| TOTALS ..                               | 5,777   | 5,799   | 5,721   | 5,921   | 6,079   | 6,324   | 6,610   |
| <b>Age groups of Patients</b>           |         |         |         |         |         |         |         |
| 4 years and under                       | 0·9%    | 0·9%    | 0·9%    | 0·9%    | 1·2%    | 1·2%    | 1·8%    |
| 5—14 years ..                           | 1·5%    | 2·3%    | 1·8%    | 1·7%    | 1·3%    | 1·8%    | 2·2%    |
| 15—44 „ ..                              | 10·0%   | 11·7%   | 10·9%   | 12·1%   | 10·8%   | 13·9%   | 15·5%   |
| 45—64 „ ..                              | 23·7%   | 23·1%   | 23·9%   | 23·9%   | 24·6%   | 24·7%   | 26·1%   |
| 65 and over ..                          | 63·9%   | 61·9%   | 62·5%   | 61·4%   | 62·1%   | 58·4%   | 54·4%   |



## LOAN OF NURSING EQUIPMENT

### Issued by Home Nursing Service

| Article               | 1966         | 1965         | 1964         | 1963         | 1962         | 1961         |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Air rings .. ..       | 257          | 263          | 277          | 242          | 248          | 279          |
| Bed pans .. ..        | 768          | 789          | 785          | 856          | 886          | 896          |
| Back rests .. ..      | 326          | 492          | 455          | 499          | 462          | 509          |
| Barrier outfits ..    | 371          | 316          | 322          | 400          | 441          | 659          |
| Cradles .. ..         | 155          | 125          | 103          | 110          | 99           | 96           |
| Crutches .. ..        | 31           | 20           | 15           | 25           | 26           | 23           |
| Draw sheets .. ..     | 85           | 97           | 218          | 255          | 197          | 196          |
| Elbow crutches ..     | 10           | 16           | 17           | 7            | 15           | —            |
| Feeding cups .. ..    | 76           | 71           | 65           | 77           | 65           | 64           |
| Incontinent gowns ..  | 16           | 16           | 32           | 53           | 32           | 12           |
| Infectious outfits .. | 7            | 6            | 6            | 8            | 6            | 7            |
| Lifting apparatus ..  | 5            | 13           | 10           | 7            | —            | —            |
| Mackintosh sheets ..  | 265          | 489          | 636          | 780          | 843          | 809          |
| Midwifery outfits ..  | 7            | 8            | 8            | 13           | 15           | 16           |
| Sorbo cushions .. ..  | 318          | 319          | 367          | 496          | 478          | 492          |
| Syringes 5cc. T.B. .. | 307          | 346          | 319          | 387          | 426          | 649          |
| Syringes 2cc. .. ..   | —            | —            | —            | 1            | 1            | 8            |
| Syringes others .. .. | 3            | —            | 4            | 6            | 14           | 14           |
| Urinals .. ..         | 445          | 400          | 409          | 437          | 393          | 425          |
| Walking tripods .. .. | 171          | 139          | 100          | 68           | 24           | 6            |
| <b>TOTALS .. ..</b>   | <b>3,623</b> | <b>3,925</b> | <b>4,148</b> | <b>4,727</b> | <b>4,671</b> | <b>5,160</b> |

### Issued from Health Service Store

| Article               | 1966       | 1965       | 1964       | 1963       | 1962       | 1961       |
|-----------------------|------------|------------|------------|------------|------------|------------|
| Air beds .. ..        | —          | 1          | —          | —          | —          | —          |
| Bed tables .. ..      | 3          | 2          | 4          | 4          | 4          | 2          |
| Bedsteads .. ..       | 99         | 65         | 66         | 89         | 62         | 57         |
| Commodore .. ..       | 351        | 295        | 271        | 196        | 196        | 222        |
| Invalid chairs .. ..  | 142        | 152        | 190        | 140        | 129        | 178        |
| Mattresses .. ..      | 101        | 72         | 76         | 104        | 75         | 64         |
| Self lifting poles .. | 20         | 14         | 9          | —          | —          | —          |
| Walking frames .. ..  | 9          | 7          | —          | —          | —          | —          |
| <b>TOTALS .. ..</b>   | <b>725</b> | <b>608</b> | <b>616</b> | <b>533</b> | <b>466</b> | <b>523</b> |

In addition to the above, the following disposable equipment was issued.

| Article                 | 1966   | 1965   | 1964 | 1963 | 1962 | 1961 |
|-------------------------|--------|--------|------|------|------|------|
| Draw sheets .. ..       | 670    | 780    | 866  | 473  | 451  | —    |
| Polythene sheets ..     | 960    | 436    | 360  | 200  | 48   | —    |
| Incontinence pads—thick | 24,492 | 17,520 | 325  | —    | —    | —    |
| —thin                   | 8,208  | 13,680 | 21   | —    | —    | —    |

# INFECTIOUS DISEASE CONTROL

## INFECTIOUS DISEASE

The table below is compiled from statutory notifications and reports furnished by the Director of the Public Health Laboratory.

|                     | 1966  | 1965  | 1964  | 1963  | 1962  | 1961  | 1960  |
|---------------------|-------|-------|-------|-------|-------|-------|-------|
| Dysentery ..        | 141   | 93    | 64    | 53    | 50    | 133   | 261   |
| Food poisoning ..   | 36    | 8     | 79    | 29    | 29    | 63    | 33    |
| Paratyphoid fever   | 1     | —     | —     | —     | 1     | —     | 1     |
| Typhoid fever ..    | —     | 1     | —     | —     | 1     | 1     | —     |
| Measles ..          | 2,389 | 2,622 | 2,650 | 3,853 | 1,917 | 4,083 | 3,054 |
| Pneumonia ..        | 79    | 49    | 66    | 102   | 99    | 206   | 152   |
| Tuberculosis ..     | 128   | 145   | 175   | 162   | 207   | 208   | 205   |
| Whooping cough      | 183   | 117   | 137   | 216   | 70    | 115   | 232   |
| Scarlet fever ..    | 133   | 191   | 92    | 75    | 69    | 124   | 198   |
| Erysipelas ..       | 8     | 6     | 18    | 6     | 9     | 8     | 12    |
| Puerp. pyrexia ..   | 20    | 29    | 24    | 23    | 20    | 33    | 15    |
| Cero-spin. fever .. | 6     | 1     | 1     | 4     | 4     | 5     | 4     |
| Poliomyelitis:      |       |       |       |       |       |       |       |
| paralytic ..        | —     | —     | 1     | —     | —     | 4     | 3     |
| non-paralytic ..    | —     | —     | —     | —     | —     | —     | 1     |
| Encephalitis:       |       |       |       |       |       |       |       |
| infectious ..       | 11    | 2     | 1     | —     | —     | 2     | 1     |
| post infective ..   | 2     | 3     | 3     | 6     | 1     | 1     | 8     |
| Ophth. neonat. ..   | 1     | 6     | 14    | 5     | 5     | 6     | 7     |

**Food Poisoning.** The number of cases notified and confirmed bacteriologically showed an increase, particularly in the second quarter of the year. Of the 32 cases confirmed in the quarter, 24 were related to an outbreak at a day nursery. This outbreak was discovered as a result of the investigation of cases of dysentery and the clinical features of the incident were obscured by the



occurrence of infection by both organisms during the period. In some children both organisms, *Shigella sonnei* and *Salmonella stanley*, were isolated at the same time. In only two cases, the isolation of *Salmonellae* was made at the time that the patient had clinical symptoms. The illness was mild and only one case was admitted to hospital, for social reasons. The origin and vehicle of the infection were not established.

All the other cases confirmed were sporadic, isolated incidents. The causative organisms were:—

|                               |    |    |
|-------------------------------|----|----|
| <i>Salmonella stanley</i>     | .. | 34 |
| <i>Salmonella typhimurium</i> | .. | 1  |
| <i>Salmonella brandenburg</i> | .. | 1  |

Twenty-one notifications of food poisoning investigated could not be confirmed bacteriologically.

**Dysentery.** The number of cases of bacillary dysentery increased substantially, all but two being caused by *Shigella sonnei*. Eighteen cases occurred in connection with the outbreak at a day nursery referred to above. In several incidents, more than one member of a household was affected at the same time but in the majority of cases, the infection was confined to a single person. Three deaths, all of women over the age of 65, were attributed to Sonne dysentery as the primary cause. Two cases of infection with *Shigella flexneri* were ascertained. One, a child four years of age, was attending the nursery class at the Special Care Unit; no other person at the unit was affected.

**Paratyphoid Fever.** In August, a person was admitted to the Isolation Hospital with a paratyphoid B infection shortly after returning from a tour of Asia. Although contacts at several addresses were investigated, the case appeared to be isolated and no transmission to others was detected.

Six contacts of cases of paratyphoid fever occurring in the area of other local health authorities were investigated but none was found to be infected.

**Typhoid Fever.** No case of typhoid infection was reported but two hospital patients found to have a high antibody titre to *Salmonella typhi* were investigated; no *Salmonellae* were being excreted by either patients or contacts. One contact of a case of typhoid fever occurring in the area of another local health authority was found to be free from infection.

**Measles.** The number of notifications during 1966 was 2,389 compared with 2,622 in 1965. No deaths were known to have occurred as a result of measles infection or its complications.

**Whooping Cough.** Notifications of whooping cough increased over those of the previous year and again, a proportion of the children contracting the infection were known to have received the primary immunising course. Of 183 notifications received, 63 records of primary immunisation were held by the department.

At the beginning of November, the Public Health Laboratory Service started an investigation into the cause of whooping cough diagnosed clinically in children previously immunised. City health visitors assisted in the collection of material for laboratory examination from cases of whooping cough or suspected whooping cough and from house contacts under the age of five who may have been incubating the infection. This survey was planned to continue for a period of six months.

One death was reported in an infant who had not been immunised. The cause of death confirmed by post mortem examination was broncho-pneumonia complicating the whooping cough.



|                  | 1966  | 1965  | 1964  | 1963  | 1962  | 1961  | 1960  | 1959  | 1958  |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Notifications .. | 183   | 117   | 137   | 216   | 70    | 115   | 232   | 206   | 153   |
| Deaths ..        | 1     | —     | —     | 1     | 1     | —     | —     | —     | —     |
| No. immunised .. | 4,044 | 4,301 | 4,118 | 4,046 | 4,241 | 5,118 | 4,183 | 3,677 | 3,565 |

## ANALYSIS BY AGES

|                 | M. | F.  | Total |
|-----------------|----|-----|-------|
| Under 1 year .. | 10 | 10  | 20    |
| 1— 4 years ..   | 45 | 67  | 112   |
| 5— 9 „ ..       | 25 | 24  | 49    |
| 10—14 „ ..      | —  | 1   | 1     |
| 15+ „ ..        | —  | 1   | 1     |
| TOTALS ..       | 80 | 103 | 183   |

**Poliomyelitis.** No case of poliomyelitis occurred in the city during 1966. Only one has been recorded since 1962.

|         | Paralytic | Non-Paralytic | Total | Deaths |
|---------|-----------|---------------|-------|--------|
| 1957 .. | 17        | 3             | 20    | —      |
| 58 ..   | 4         | —             | 4     | 1      |
| 59 ..   | 9         | —             | 9     | 1      |
| 60 ..   | 3         | 1             | 4     | —      |
| 61 ..   | 4         | —             | 4     | —      |
| 62 ..   | —         | —             | —     | —      |
| 63 ..   | —         | —             | —     | —      |
| 64 ..   | 1         | —             | 1     | —      |
| 65 ..   | —         | —             | —     | —      |
| 66 ..   | —         | —             | —     | —      |

| Age Group | 1966 |    | 1965 |    | 1964 |    | 1963 |    | 1962 |    | 1961 |    | 1960 |    | 1959 |    | 1958 |    |
|-----------|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|
|           | M.   | F. | M.   | F. | M.   | F. | M.   | F. | M.   | F. | M.   | F. | M.   | F. | M.   | F. | M.   | F. |
| 0- 4 ..   | -    | -  | -    | -  | 1    | -  | -    | -  | -    | -  | 2    | -  | 1    | 1  | 3    | 2  | -    | 1  |
| 5- 9 ..   | -    | -  | -    | -  | -    | -  | -    | -  | -    | -  | 1    | -  | -    | -  | -    | -  | -    | -  |
| 10-14 ..  | -    | -  | -    | -  | -    | -  | -    | -  | -    | -  | -    | -  | 1    | -  | -    | -  | -    | -  |
| 15-24 ..  | -    | -  | -    | -  | -    | -  | -    | -  | -    | -  | -    | -  | -    | -  | 1    | -  | -    | 1  |
| 25+ ..    | -    | -  | -    | -  | -    | -  | -    | -  | -    | -  | 1    | -  | 1    | -  | 2    | 1  | 2    | -  |
| TOTALS .. | -    | -  | -    | -  | 1    | -  | -    | -  | -    | -  | 4    | -  | 4    | -  | 9    | -  | 4    | -  |

**Diphtheria.** The last case in the city was notified in 1949.

**Encephalitis.** Six cases of virus encephalitis or encephalomeningitis were reported and three deaths were recorded, one in an infant, one in a young adult and the third in a person over 65. In all of these cases, the infecting agent was not identified. Of the five post-infective cases reported, measles was the primary infection in two and mumps in the other three; none of this group proved fatal.

By arrangement with the Director of the Public Health Laboratory, house contacts of all cases of virus meningitis admitted to hospital were examined for the excretion of pathogenic virus and in two cases Coxsackie B<sub>3</sub> was isolated from the material obtained.

**Meningococcal Infections.** The number of cases notified was the highest for the last five years. Half of these notifications were concentrated in the first quarter and from information received from the laboratory, they formed part of a similar rise in the district around the city. On investigation a common source of infection for these cases was not found. One death in an elderly



person was reported later in the year and there were two deaths ascribed to pneumococcal meningitis. None of these deaths was notified under statutory procedure.

**Venereal Disease.** It is interesting that the figures for contagious syphilis and gonorrhoea were down in Nottingham for the year 1966, compared with 1965, but increased in the area served by clinics as a whole.

The incidence of gonorrhoea fell from 703 in 1965 to 628. Of this total 442 occurred in males, 186 in females.

The number of new cases of syphilis fell from 49 in 1965 to 31 in 1966, only three cases, two male and one female, presenting at an early stage of the disease.

Of 13 women found to be suffering from syphilis as against 18 last year, nine were pregnant.

**Hookworm Infection.** The survey referred to in 1965 was completed in June. In over 200 persons examined, over half showed worm infestation and 40 per cent were infested with Hookworm. No child born in this country was found to be affected.

The sanitary condition of the buildings occupied by the affected households, often houses in multiple occupation, showed a fairly high standard.

The control of this infection continued by the examination of household contacts where new infestation was discovered as part of routine examination.

## IMMUNISATION

The programme of immunising procedures carried out in clinics continued unchanged during the year, as follows:—

|                                     |   |
|-------------------------------------|---|
| Diphtheria, whooping cough, tetanus | at 2, 3, 4 and 12 months of age                 |
| Poliomyelitis                       | at 6, 7 and 8 months of age and at school entry |
| Smallpox                            | at 13 months                                    |
| Diphtheria and tetanus              | reinforcement at school entry                   |
| Tuberculosis                        | at 13 years                                     |

The agents used routinely in infancy were triple vaccine and oral poliomyelitis vaccine.

**Poliomyelitis.** The table shows the number of courses completed during 1966 and the number of reinforcing doses given.

|           | 0—4<br>years | 5—14<br>years | 15—39<br>years | Others | Total |
|-----------|--------------|---------------|----------------|--------|-------|
| Third ..  | 4,323        | 604           | 591            | 66     | 5,584 |
| Fourth .. | 34           | 2,402         | 1              | —      | 2,437 |

## IMMUNITY INDEX

|                      | Number of persons given primary courses at 31.12.66 |               |                |         |
|----------------------|---|---------------|----------------|---------|
|                      | 0—4<br>years  | 5—14<br>years | 15—39<br>years | Total   |
| No. of persons ..    | 15,886  | 42,099        | 77,602         | 135,587 |
| Estimated population | 28,400  | 46,400        | 113,500        | 188,300 |
| % Immunised          | 55·9  | 90·7          | 68·4           | 72·0    |



**Diphtheria.** The following tables show the number of injections performed and of children up to 14 years who had received at least a primary course of three injections.

**ANALYSIS OF IMMUNISATIONS**  
Numbers carried out

|         | Primary Immunisations |                 |                               |                          | Re-inforcing Injections       |                          |
|---------|-----------------------|-----------------|-------------------------------|--------------------------|-------------------------------|--------------------------|
|         | Pre-school children   | School children | By Health Dept. Medical Staff | By General Practitioners | By Health Dept. Medical Staff | By General Practitioners |
| 1954 .. | 3,436                 | 753             | 2,525                         | 1,664                    | 3,161                         | 227                      |
| 55 ..   | 4,390                 | 1,001           | 3,723                         | 1,668                    | 3,540                         | 218                      |
| 56 ..   | 3,125                 | 787             | 2,586                         | 1,326                    | 2,628                         | 159                      |
| 57 ..   | 3,487                 | 345             | 2,589                         | 1,243                    | 1,266                         | 143                      |
| 58 ..   | 3,595                 | 939             | 3,423                         | 1,111                    | 6,154                         | 160                      |
| 59 ..   | 3,704                 | 662             | 3,186                         | 1,180                    | 3,142                         | 113                      |
| 60 ..   | 4,167                 | 820             | 3,744                         | 1,243                    | 2,483                         | 249                      |
| 61 ..   | 5,022                 | 1,078           | 4,580                         | 1,520                    | 3,135                         | 304                      |
| 62 ..   | 4,250                 | 104             | 3,374                         | 980                      | 2,922                         | 151                      |
| 63 ..   | 4,042                 | 670             | 3,758                         | 954                      | 5,173                         | 153                      |
| 64 ..   | 4,145                 | 674             | 3,954                         | 865                      | 4,788                         | 197                      |
| 65 ..   | 4,303                 | 521             | 3,872                         | 952                      | 4,888                         | 266                      |
| 66 ..   | 4,039                 | 453             | 3,665                         | 827                      | 4,710                         | 221                      |

**Progressive totals of children who had received a primary course of immunisation by 31st December**

|         | 0—4 years |          | 5—14 years |          | 0—14 years |          |
|---------|-----------|----------|------------|----------|------------|----------|
|         | No.       | Percent. | No.        | Percent. | No.        | Percent. |
| 1954 .. | 13,761    | 53       | 40,731     | 87       | 54,492     | 75       |
| 55 ..   | 14,481    | 57       | 42,063     | 88       | 56,544     | 77       |
| 56 ..   | 14,133    | 57       | 42,980     | 88       | 57,113     | 78       |
| 57 ..   | 14,253    | 59       | 42,832     | 87       | 57,085     | 78       |
| 58 ..   | 14,725    | 60       | 42,840     | 87       | 57,565     | 78       |
| 59 ..   | 16,862    | 68       | 40,658     | 82       | 57,520     | 78       |
| 60 ..   | 17,154    | 68       | 41,398     | 84       | 58,552     | 79       |
| 61 ..   | 19,118    | 73       | 40,724     | 84       | 59,842     | 80       |
| 62 ..   | 19,721    | 74       | 38,855     | 81       | 58,576     | 79       |
| 63 ..   | 19,940    | 72       | 38,602     | 83       | 58,542     | 79       |
| 64 ..   | 20,026    | 73       | 38,707     | 83       | 58,733     | 79       |
| 65 ..   | 18,264    | 65       | 40,989     | 88       | 59,253     | 80       |
| 66 ..   | 18,025    | 63       | 41,606     | 90       | 59,631     | 80       |

**Whooping Cough.** Primary vaccination courses were given to 3,989 children under five years of age, and reinforcing doses at 12 to 18 months to 2,021 of those who had commenced their primary course before the age of four months.

#### ANALYSIS OF VACCINATIONS

|                                     | 1966  | 1965  | 1964  | 1963  | 1962  | 1961  |
|-------------------------------------|-------|-------|-------|-------|-------|-------|
| By Health Dept. medical staff .. .. | 3,226 | 3,350 | 3,263 | 3,092 | 3,272 | 3,637 |
| By general practitioners            | 818   | 951   | 855   | 954   | 969   | 1,481 |
| TOTAL .. ..                         | 4,044 | 4,301 | 4,118 | 4,046 | 4,241 | 5,118 |

**Tetanus.** A course of three injections was given to 4,093 children, of whom 4,030 were in the pre-school age group.

**Smallpox.** An increased number of vaccinations and re-vaccinations among older children was attributable to the small scattered outbreaks of variola minor in the West Midlands during the year, and the consequent more stringent demands by some countries for international certificates of vaccination for travellers from this country. There was no doubt that figures for adults would have been higher still, but records were not required to be kept for those over 17, and so no figures were available.

Neither this episode nor anything else had any effect on the low rate of vaccination in infancy. This latter table has been slightly amended, and now shows for all the years recorded the numbers of all vaccinations in children under the age of two years.



## ANALYSIS OF VACCINATIONS

|                        | Numbers of Persons Vaccinated |              |               |                       |       |   |                                     |
|------------------------|-------------------------------|--------------|---------------|-----------------------|-------|---|-------------------------------------|
|                        | Under<br>1 year               | 1—4<br>years | 5—14<br>years | 15<br>years<br>& over | Total | By<br>Health<br>Dept.<br>Medical<br>Staff | By<br>General<br>Practi-<br>tioners |
| Primary<br>Vaccination | 142                           | 2,107        | 167           | 345                   | 2,761 | 1,726                                     | 1,035                               |
| Re-<br>Vaccination     | —                             | 17           | 185           | 1,205                 | 1,407 | 275                                       | 1,132                               |

## INFANT VACCINATION

|            | Primary<br>vaccinations<br>at recommended age | Percentage<br>of births during<br>same period |
|------------|---|---|
| 1957 .. .. | 2,484   | 48·1  |
| 58 .. ..   | 3,587   | 65·6  |
| 59 .. ..   | 3,623   | 65·8  |
| 60 .. ..   | 2,563   | 45·8  |
| 61 .. ..   | 2,773   | 48·4  |
| 62 .. ..   | 3,643   | 62·1  |
| 63 .. ..   | 574   | 9·3   |
| 64 .. ..   | 1,509   | 23·7  |
| 65 .. ..   | 1,698   | 27·5  |
| 66 .. ..   | 1,605   | 26·6  |

**Tuberculosis.** B.C.G. vaccination was offered to school children of 13 years, and was accepted by 71·3 per cent.

Of those tested, 23·8 per cent were found to be tuberculin positive, a significantly higher proportion than the average (14·0 per cent) of the last six years. There was some reason to think, however, that this apparent increase was at least partly due to variations in interpretation of the tests by different observers.

All positive reactors were offered chest X-ray examination. No case of active tuberculosis was found, but nine were kept under observation because of some X-ray or other abnormality.

#### ANALYSIS OF VACCINATIONS

|                        | 1966   | 1965  | 1964  | 1963  | 1962  | 1961  |
|------------------------|--------|-------|-------|-------|-------|-------|
| Schools visited .. ..  | 45     | 43    | 50    | 52    | 50    | 51    |
| No. of 13 year olds .. | 5,103  | 4,557 | 5,044 | 5,099 | 5,038 | 5,306 |
| ,, acceptances .. ..   | 3,636* | 3,349 | 3,621 | 3,775 | 3,855 | 3,897 |
| ,, refusals .. ..      | 1,321  | 1,059 | 1,274 | 1,191 | 1,076 | 1,297 |
| ,, others .. ..        | 146    | 149   | 149   | 133   | 107   | 112   |
| No. tested .. ..       | 3,875  | 3,428 | 3,592 | 3,562 | 3,608 | 3,674 |
| negative reactors ..   |        |       |       |       |       |       |
| vaccinated .. ..       | 2,533  | 2,639 | 3,019 | 3,001 | 3,044 | 3,308 |
| positive reactors ..   | 924†   | 468   | 401   | 460   | 479   | 307   |

\* Average % of acceptances 1961-1966 was 73.4%.

† Average % of positive reactions 1961-1966 was 14.0%.

**Yellow Fever.** A weekly session was held at 134 Mansfield Road, and a total of 474 persons were vaccinated during the year.

**Anthrax.** At the one firm in the city carrying out work involving a potential risk of infection with anthrax, 48 workers accepted the offer of vaccination and commenced a primary course comprising three injections over a period of eight months.



## AMBULANCE SERVICE

I have pleasure in acknowledging this contribution by Mr. J. C. Wake, A.C.I.S., M.Inst.T., M.I.R.T.E., the General Manager, on the nineteenth year of the Nottingham City Ambulance Service, and also his ready co-operation at all times.

**Administration and Control Staff.** The establishment at the beginning of the year was as follows:—

|                                      |       |
|--------------------------------------|-------|
| Chief Ambulance Officer .. ..        | 1     |
| Deputy Chief Ambulance Officer .. .. | 1     |
| Male staff officers .. ..            | 7     |
| Female staff officer .. ..           | 1     |
| Station officer .. ..                | 1     |
| Shorthand-typists .. ..              | 2     |
| General office clerk .. ..           | 1     |
|                                      | <hr/> |
|                                      | 14    |
|                                      | <hr/> |

Authority was given towards the end of the year for the appointment of an additional female staff officer to operate the two-way radio service for midwives at present being installed. It is anticipated that installation will be completed early in 1967.

One Staff Officer (Mr. R. Berridge) resigned his appointment after only 12 months' service in the Control Room in order to revert to the duties of driver/attendant. He was replaced by Mr. K. Jackson (shift leader), who had been employed in the Service since 1957.

**Operational Staff.** The establishment during the year with comparative figures for last year is set out below:—

|                                | 1966  | 1965  |
|--------------------------------|-------|-------|
| Shift Leaders .. ..            | 7     | 7     |
| Male driver/attendants .. ..   | 66    | 64    |
| Female driver/attendants .. .. | 12    | 9     |
|                                | <hr/> | <hr/> |
|                                | 85    | 80    |
|                                | <hr/> | <hr/> |

In addition the Service employs one general labourer, and one part-time office cleaner.

The five additional driver/attendants were required in order to implement the reduction in the normal working week from 42 hours to 40 hours, which came into effect at the beginning of January, 1966.

Difficulties have been experienced during the year in manning the number of vehicles required to meet the demands on the service, and considerable overtime has had to be worked on a voluntary basis. The position has been aggravated by the increasing number of driver/attendants who become entitled to increased annual leave after five years' service, with further increases after 12 years' service. Regular dependence on voluntary overtime to staff the service adequately is undesirable, and an increase of four further driver/attendants is being sought in the budget for the next financial year.

**Vehicles.** One additional dual-purpose vehicle and four replacement vehicles which were scheduled for delivery in October, 1965, were not delivered until the early part of 1966. One of the replacements was for a vehicle written-off in January, 1965, following extensive damage in an accident.

The vehicle replacement programme for the current financial year is for two ambulances, and two dual-purpose vehicles. One of the dual-purpose vehicles which came into service in November, 1966, was on view at the Commercial Motor Show in London prior to delivery.

The dual-purpose vehicles now being bought are of the larger capacity type with accommodation for 13 patients, and these are proving most advantageous in meeting the demand for transport of out-patients to and from hospitals.

It is planned during 1967 to introduce into the fleet a new type of vehicle in the form of an estate car converted to carry a



stretcher. This will be used wherever possible for long-distance journeys, and in this way avoid having to withdraw an ambulance from day-to-day routine work in the city. Several authorities are already using this type of vehicle with good economic results, and consideration will be given to introducing a further vehicle of this type at a later date in the light of operational experience.

**Driver/Attendant and Vehicle/Patient Ratio**

| Year    | Patients | Driver<br>Attendants | Ratio     | Vehicles | Ratio     |
|---------|----------|----------------------|-----------|----------|-----------|
| 1949 .. | 54,297   | 60                   | 1 : 904   | 22       | 1 : 2,468 |
| 50 ..   | 62,858   | 61                   | 1 : 1,030 | 22       | 1 : 2,857 |
| 55 ..   | 93,405   | 63                   | 1 : 1,482 | 27       | 1 : 3,459 |
| 56 ..   | 95,551   | 70                   | 1 : 1,365 | 29       | 1 : 3,294 |
| 60 ..   | 125,597  | 72                   | 1 : 1,744 | 29       | 1 : 4,330 |
| 61 ..   | 147,843  | 76*                  | 1 : 1,945 | 30       | 1 : 4,928 |
| 62 ..   | 157,736  | 77                   | 1 : 2,048 | 30       | 1 : 5,258 |
| 63 ..   | 167,744  | 77                   | 1 : 2,178 | 30       | 1 : 5,591 |
| 64 ..   | 179,672  | 78                   | 1 : 2,303 | 31       | 1 : 5,796 |
| 65 ..   | 180,901  | 80                   | 1 : 2,261 | 30       | 1 : 6,030 |
| 66 ..   | 190,760  | 85†                  | 1 : 2,244 | 32       | 1 : 5,961 |

\* 42 hour week introduced.

† 40 hour week introduced.

**Mileage and Patients.** There was an increase of 9,859 in the number of patients carried compared with last year and an increase of 40,039 in the number of vehicle miles run. The highest number of patients carried in one day was 793, and the highest number of miles run in one day was 2,660.

Liaison with hospitals and other departments concerned with patients has continued throughout the year in an effort to plan ambulance services in the most efficient and economical manner.

The steady increase in patients and mileage, and the difficulties created by traffic congestion are making it increasingly difficult to transport patients to the various hospitals in time for their appointments. Traffic congestion affects, in particular, the Wilford and Clifton areas in the morning and to some extent on return journeys in the late afternoon.

**Long-distance Journeys.** A total of 364 out-of-town journeys were made—213 to Derby, 74 to Sheffield and 77 to other destinations. This gives some indication of the volume of work available for the new type of vehicle it is proposed to acquire. The majority of the patients carried by road for long distances are stretcher cases which cannot be accommodated on the diesel coach trains.

Arrangements were made for 123 patients to be carried by rail, compared with 99 last year. The principal destinations were Sheffield, London and Skegness. Thirty-five patients were conveyed by bus—two less than last year.

**Emergency Cases.** There were 8,765 emergency cases during the year compared with 8,264 last year. Casualties included 38 killed and 2,329 injured. Forty-three emergency cases had to be dealt with on 25th December, 1966—the highest number in one day.

**Civil Defence.** Instruction to the ambulance and first-aid sections of the Civil Defence Corps has continued throughout the year on four nights a week.

**Open Day.** Beechdale Road Ambulance Station was open to the general public on 24th July, 1966. Assistance was given by the police, the fire brigade, and voluntary organisations in providing visual aid displays in connection with accident



prevention, and the Home Safety Committee provided posters and booklets on the prevention of accidents in the home. Exhibits of equipment were on display and mock incidents were arranged in the station yard to demonstrate ambulance service work. The Civil Defence ambulance section was also represented. The Open Day proved so attractive that the advertised period of opening from 10.00 a.m. to 6.00 p.m. had to be extended because of the number of people present and the number of people still arriving at 6.00 p.m.

It has been decided that the Open Day shall be an annual event.

## APPENDIX A

| Month     | Emergencies |        | Admissions |        | Discharges |        | Outpatients |         | Unclassified |       | Non-Service | Total   |         |
|-----------|-------------|--------|------------|--------|------------|--------|-------------|---------|--------------|-------|-------------|---------|---------|
|           | P.          | M.     | P.         | M.     | P.         | M.     | P.          | M.      | P.           | M.    |             | P.      | M.      |
| 1966      |             |        |            |        |            |        |             |         |              |       |             |         |         |
| JANUARY   | 714         | 3,651  | 1,096      | 7,943  | 1,085      | 5,608  | 12,502      | 33,767  | 44           | 502   | 2,238       | 15,441  | 53,709  |
| FEBRUARY  | 633         | 3,156  | 897        | 6,367  | 1,037      | 5,393  | 11,538      | 31,474  | 47           | 632   | 1,989       | 14,152  | 49,011  |
| MARCH     | 717         | 3,654  | 901        | 6,388  | 1,103      | 5,629  | 14,213      | 36,746  | 34           | 325   | 2,317       | 16,968  | 55,059  |
| APRIL     | 730         | 3,615  | 822        | 5,835  | 1,072      | 5,413  | 12,169      | 32,255  | 36           | 565   | 2,217       | 14,829  | 49,900  |
| MAY       | 794         | 3,911  | 885        | 6,329  | 1,095      | 5,351  | 13,290      | 34,457  | 37           | 486   | 2,296       | 16,101  | 52,830  |
| JUNE      | 769         | 3,981  | 917        | 6,748  | 1,011      | 5,718  | 13,764      | 35,469  | 43           | 410   | 2,537       | 16,504  | 54,863  |
| JULY      | 740         | 3,737  | 839        | 5,997  | 1,040      | 5,314  | 13,467      | 34,781  | 38           | 609   | 2,551       | 16,124  | 52,989  |
| AUGUST    | 737         | 3,884  | 790        | 5,852  | 1,013      | 5,317  | 13,489      | 35,555  | 42           | 864   | 2,296       | 16,071  | 53,768  |
| SEPTEMBER | 690         | 3,740  | 803        | 5,952  | 989        | 5,435  | 13,510      | 35,194  | 43           | 370   | 2,055       | 16,035  | 52,746  |
| OCTOBER   | 735         | 3,887  | 849        | 6,541  | 1,071      | 6,593  | 13,211      | 35,407  | 31           | 542   | 1,895       | 15,897  | 54,865  |
| NOVEMBER  | 734         | 3,988  | 871        | 6,772  | 1,013      | 5,226  | 13,918      | 36,700  | 27           | 152   | 1,899       | 16,563  | 54,737  |
| DECEMBER  | 772         | 4,081  | 894        | 6,604  | 1,022      | 6,117  | 13,351      | 34,992  | 36           | 456   | 1,862       | 16,075  | 54,112  |
| TOTAL     | 8,765       | 45,285 | 10,564     | 77,328 | 12,551     | 67,114 | 158,422     | 416,797 | 458          | 5,913 | 26,152      | 190,760 | 638,589 |

P = Patients. M = Miles.



## APPENDIX B.

## PATIENTS AND MILES BY EACH TYPE OF VEHICLE

| Month    | Ambulances |         | Sitting-Case Cars |       | Dual-purpose Vehicles |         | Total    |         |
|----------|------------|---------|-------------------|-------|-----------------------|---------|----------|---------|
|          | Patients   | Miles   | Patients          | Miles | Patients              | Miles   | Patients | Miles   |
| 1966     |            |         |                   |       |                       |         |          |         |
| Jan. ..  | 6,673      | 27,632  | 180               | 825   | 8,588                 | 25,252  | 15,441   | 53,709  |
| Feb. ..  | 5,902      | 24,561  | 256               | 1,227 | 7,994                 | 23,223  | 14,152   | 49,011  |
| Mar. ..  | 7,342      | 29,104  | 215               | 1,332 | 9,411                 | 24,623  | 16,968   | 55,059  |
| April .. | 5,970      | 24,071  | 180               | 941   | 8,679                 | 24,888  | 14,829   | 49,900  |
| May ..   | 6,533      | 26,263  | 47                | 683   | 9,521                 | 25,884  | 16,101   | 52,830  |
| June ..  | 6,351      | 26,208  | 68                | 990   | 10,085                | 27,665  | 16,504   | 54,863  |
| July ..  | 6,483      | 26,507  | 124               | 789   | 9,517                 | 25,693  | 16,124   | 52,989  |
| Aug. ..  | 5,739      | 25,316  | 34                | 499   | 10,298                | 27,953  | 16,071   | 53,768  |
| Sept. .. | 5,852      | 24,434  | 11                | 135   | 10,172                | 28,177  | 16,035   | 52,746  |
| Oct. ..  | 5,628      | 25,344  | 261               | 1,382 | 10,008                | 28,139  | 15,897   | 54,865  |
| Nov. ..  | 6,093      | 25,623  | 66                | 336   | 10,404                | 28,778  | 16,563   | 54,737  |
| Dec. ..  | 6,064      | 25,382  | 103               | 568   | 9,908                 | 28,162  | 16,075   | 54,112  |
| TOTALS   | 74,630     | 310,445 | 1,545             | 9,707 | 114,585               | 318,437 | 190,760  | 638,589 |

## APPENDIX C. FINANCIAL SUMMARY AND STATISTICAL RECORD FROM 1948 to 1966

| Year ended<br>on 31st<br>December | Total<br>miles | Total<br>patients | Average<br>miles per<br>patient | Patients<br>carried per<br>thousand<br>miles run | Cost per<br>vehicle<br>mile for<br>year ended<br>on preceding<br>31st March | Maximum<br>mileage<br>on any<br>one day | Maximum<br>No. of<br>patients<br>on any<br>one day | Highest<br>No. of<br>emergency<br>calls on<br>any one<br>day | Total<br>expenditure<br>for year<br>ended on<br>preceding<br>31st March |
|-----------------------------------|----------------|-------------------|---------------------------------|--|---|---|--|--|---|
| 1948<br>..<br>(6 months)          | 147,317        | 23,301            | 6.32                            | 158.17   | d.<br>—   | —                                       | —  | —  | £<br>—  |
| 1949 ..                           | 301,426        | 54,297            | 5.55                            | 180.13   | 22.66   | 1,498                                   | 246  | 27   | 28,154<br>(9 months)  |
| 1950 ..                           | 321,673        | 62,858            | 5.12                            | 195.41   | 27.92   | 1,445                                   | 287  | 25   | 37,440  |
| 1955 ..                           | 389,311        | 93,405            | 4.09                            | 244.36   | 34.17   | 1,865                                   | 429  | 34   | 58,578  |
| 1956 ..                           | 397,636        | 95,551            | 4.09                            | 244.41   | 33.45   | 1,658                                   | 425  | 30   | 60,947  |
| 1957 ..                           | 369,790        | 92,798            | 3.93                            | 254.68   | 40.49   | 1,477                                   | 402  | 33   | 68,588  |
| 1958 ..                           | 396,834        | 100,079           | 3.92                            | 255.38   | 42.73   | 1,798                                   | 468  | 33   | 70,521  |
| 1959 ..                           | 453,686        | 111,011           | 4.04                            | 247.28   | 40.80   | 1,957                                   | 528  | 31   | 85,730  |
| 1960 ..                           | 470,140        | 125,597           | 3.71                            | 269.60   | 37.47   | 1,980                                   | 568  | 34   | 85,605  |
| 1961 ..                           | 510,018        | 147,843           | 3.43                            | 291.33   | 39.64   | 2,227                                   | 633  | 34   | 92,247  |
| 1962 ..                           | 503,812        | 157,736           | 3.19                            | 313.48   | 44.77   | 2,246                                   | 672  | 33   | 107,369   |
| 1963 ..                           | 536,735        | 167,744           | 3.20                            | 312.53   | 44.81   | 2,398                                   | 742  | 42   | 108,444   |
| 1964 ..                           | 576,414        | 179,672           | 3.21                            | 311.53   | 44.22   | 2,483                                   | 767  | 59   | 111,570   |
| 1965 ..                           | 598,550        | 180,901           | 3.31                            | 302.23   | 48.45   | 2,644                                   | 744  | 42   | 118,340   |
| 1966 ..                           | 638,589        | 190,760           | 3.36                            | 298.72   | 52.95   | 2,660                                   | 793  | 43   | 134,658   |



## PREVENTION OF ILLNESS, CARE AND AFTER-CARE

### CARE OF OLDER PEOPLE

The number of requests for help in care of the elderly showed a reduction from the previous year; the demands on the Home Nursing Service showed little change, but over 80 per cent of the time of the Home Help Service was devoted to assisting this section of the community. The most difficult problems were those presented by the feeble, uncared-for and confused, for whom hospital accommodation was not readily available.

Suitable patients were admitted for short-term care to Sherwood Hospital by arrangement with the geriatric physician on the recommendation of the family doctors, an arrangement which often gave a welcome period of relief to a hard-pressed family.

An assessment unit was opened on 14th June at St. Francis Hospital for investigation of those elderly people who required residential care, and in whose case there was doubt as to whether they presented psychiatric, geriatric or welfare problems. A team including a psychiatrist, a geriatric physician, a welfare officer, and, more recently, a mental welfare officer, carried out this assessment.

The normal period of observation lasted on average about one month, after which the patient was sent to accommodation appropriate to his need, or was returned to domiciliary care.

**Voluntary Services.** On Friday, 22nd July, Her Majesty the Queen honoured the W.V.S. by adding the word 'Royal' to the title. This well-known organisation is now named the Women's Royal Voluntary Service.

Hot meals were provided twice weekly to an average of 500 people during the course of the year, an increase of 150 more than in 1965. Including those supplied to the Welfare Services Department's Occupational Centre, approximately 40,000 meals were distributed during the year.

Seven more luncheon clubs were opened in various parts of the city where ambulant old people could obtain meals, bringing the total to ten; in all, 7,100 meals were supplied to these clubs. It is anticipated that more will be opened as they have proved popular.

In consultation with a Senior Medical Officer and with the Welfare Services Department, 32 volunteers continued to visit 38 elderly people at home and in hospital weekly or once a fortnight.

Approximately 650 needy families, comprising some 1,500 people, were given help with clothing and more than 8,000 garments were distributed.

Eleven trolley shops were operating in Homes for the Elderly throughout the city.

At the request of the Health Services Department, the Women's Royal Voluntary Service was able to provide a holiday for six mothers in its Holiday Home for Tired Mothers.

The Welfare Food Centre of the Health Services Department continued to distribute various welfare foods to people over the age of retirement on behalf of the Nottingham Council of Social Service.

**Health Visiting.** The sources from which information was received about old people in need and the various agencies through which assistance was arranged by the health visitors are shown in the accompanying tables:—



| Cases reported by            | 1966  | 1965  | 1964  | 1963  | 1962  |
|------------------------------|-------|-------|-------|-------|-------|
| Geriatric unit—after care .. | 25    | 54    | 96    | 111   | 152   |
| "    "    reports ..         | —     | —     | —     | —     | —     |
| Health Department ..         | 41    | 63    | 105   | 94    | 60    |
| General Hospital ..          | 34    | 33    | 60    | 35    | 41    |
| General practitioners ..     | 8     | 19    | 25    | 26    | 40    |
| Welfare Services Department  | 14    | 24    | 12    | 28    | 39    |
| Relations and neighbours ..  | 18    | 47    | 45    | 35    | 35    |
| Health visitors ..           | 10    | 32    | 26    | 47    | 31    |
| Voluntary organisations ..   | —     | 1     | 2     | 1     | 30    |
| Clergy ..                    | —     | —     | 1     | —     | —     |
| Others ..                    | 4     | 9     | 7     | 18    | 70    |
| Total new visits ..          | 154   | 282   | 380   | 395   | 498   |
| Re-visits ..                 | 2,007 | 2,791 | 5,064 | 4,536 | 3,920 |
| Total ..                     | 2,161 | 3,073 | 5,444 | 4,931 | 4,418 |

| Assistance arranged through .. | 1966 | 1965 | 1964 | 1963 | 1962 |
|--------------------------------|------|------|------|------|------|
| Home Help Service ..           | 163  | 173  | 190  | 185  | 164  |
| General practitioner ..        | 84   | 115  | 127  | 145  | 127  |
| Relatives—advice ..            | 33   | 83   | 110  | 96   | 90   |
| Welfare Services Department    | 85   | 74   | 77   | 84   | 72   |
| W.R.V.S.: Meals on wheels ..   | 55   | 51   | 83   | 80   | 67   |
| General Dispensary ..          | 66   | 60   | 59   | 61   | 50   |
| W.R.V.S. clothing ..           | 23   | 35   | 49   | 54   | 49   |
| Housing Department ..          | 26   | 28   | 45   | 45   | 47   |
| Ministry of Social Security .. | 21   | 30   | 42   | 41   | 41   |
| Public health inspector ..     | 16   | 23   | 25   | 30   | 29   |
| Convalescence ..               | 16   | 18   | 26   | 28   | 20   |
| Blind Institute ..             | 8    | 7    | 17   | 16   | 15   |
| Council of Social Service ..   | 13   | 13   | 27   | 16   | 11   |
| Mental Health Services ..      | 27   | 39   | 32   | 12   | —    |
| Total ..                       | 636  | 749  | 909  | 893  | 782  |

**Chiropody.** Treatment of persons in priority groups was provided through the agency of the Nottingham General Dispensary with whom the arrangements continued to work smoothly. New patients were recommended by general practitioners, medical officers, health visitors, home nurses and midwives. With the object of saving extra visits by professional staff, a scheme for the issue, by the Women's Royal Voluntary

Service, of priority cards for treatment was continued and appeared to be working satisfactorily.

The table below shows the number of those treated in each priority group and the number of treatments given.

| Priority Group       | No. of Persons |      |       | No. of treatments |
|----------------------|----------------|------|-------|-------------------|
|                      | Surgery        | Home | Total |                   |
| Aged .. ..           | 3,368          | 755  | 4,123 | 25,285            |
| Handicapped ..       | 198            | 65   | 263   | 1,389             |
| Expectant mothers .. | 4              | —    | 4     | 18                |
| TOTAL .. ..          | 3,570          | 820  | 4,390 | 26,692            |

The totals for 1965 were 4,008 patients and 27,116 treatments.



## NUFFIELD HOUSE

The Octagon Club at Nuffield House continued to serve the needs of those elderly persons at risk of mental breakdown by providing for them a busy and interesting environment.

**Attendance.** There were 42 new admissions and at the end of the year 75 persons were on the register. The average daily attendance was 43. Three men and seven women were unable to settle down and ceased to attend after a few days.

Of the members enrolled during the year, 50 were living alone, including two in bed-sitting rooms, and 31 were living with relatives. Three people became too ill to attend and were cared for by relatives; there was one admission to Highbury Hospital.

In the course of the year, two members were admitted to mental hospitals and subsequently returned, and seven died; one death occurred among members enrolled during 1965. Residential accommodation was arranged for five members who could no longer live alone, and two members who required nursing care were admitted to a mental hospital day centre.

**Transport.** Travelling arrangements continued along similar lines to last year.

## PREVENTION OF BREAK-UP OF FAMILIES

The Co-ordinating Committee of statutory and voluntary social services met on 24 occasions during the year; 70 families were discussed, of whom 53 came under consideration for the first time.

It may perhaps be taken as a measure of the usefulness of this Committee's work that, in the six years since its constitution, no child has had to be taken into care as a result of eviction from Corporation property.

**TUBERCULOSIS****Cases on Clinic Register**

|   | Men | Women | Children | Total        |       |
|---|-----|-------|----------|--------------|-------|
|   |     |       |          | 1966         | 1965  |
| Respiratory .. ..   | 751 | 732   | 133      | <b>1,616</b> | 1,756 |
| Non-Respiratory ..  | 35  | 96    | 27       | <b>158</b>   | 156   |
| New respiratory cases bacteriologically confirmed                   |     |       |          |              |       |
| ★ Group I .. ..   | 11  | 11    | 1        | <b>23</b>    | 34    |
| Group II .. ..  | 16  | 3     | 1        | <b>20</b>    | 27    |
| Group III .. ..   | 7   | 2     | —        | <b>9</b>     | 6     |
| TOTAL .. ..   | 34  | 16    | 2        | <b>52</b>    | 67    |
| New respiratory cases not bacteriologically confirmed               |     |       |          |              |       |
| Group I .. ..   | 16  | 14    | 6        | <b>36</b>    | 37    |
| Group II .. ..  | 3   | 4     | 1        | <b>8</b>     | 5     |
| Group III .. ..   | 2   | 1     | 1        | <b>4</b>     | 3     |
| TOTAL .. ..   | 21  | 19    | 8        | <b>48</b>    | 45    |
| New non-respiratory cases   | 8   | 13    | 1        | <b>22</b>    | 21    |
| Cases having positive broncho-pulmonary secretion during year .. .. |     |       |          | <b>123</b>   | 81    |
| Examination of Contacts:  |     |       |          |              |       |
| No. of contacts investigated New: 1,206 .. ..                       |     |       |          | <b>2,324</b> | 2,782 |
| Old : 1,118 .. ..   |     |       |          |              |       |
| Number found to be tuberculous .. ..                                |     |       |          | <b>7</b>     | 13    |
| Percentage .. ..  |     |       |          | <b>0.30</b>  | 0.47  |
| Deaths from tuberculosis .. ..                                      |     |       |          | <b>10</b>    | 17    |
| Death rate per 1,000 population .. ..                               |     |       |          | <b>0.03</b>  | 0.05  |
| Number of home visits made by health visitors .. ..                 |     |       |          | <b>5,799</b> | 7,280 |

- ★ Group I Cases having an affected area not exceeding in aggregate  $\frac{1}{2}$  of one lung  
 Group II Cases having an affected area not exceeding in aggregate  $\frac{3}{4}$  of one lung  
 Group III Cases having an affected area exceeding  $\frac{3}{4}$  of one lung. This includes miliary tuberculosis



**B.C.G. Vaccination.** Investigation of contacts of cases of tuberculosis was carried out at special sessions at the Chest Centre. Tuberculin testing was performed on 379 contacts and 329 were vaccinated.

**Rehousing.** Applications by patients for rehousing were considered in conjunction with the chest physician, but only one recommendation was made.

**Care Committee.** Meetings were held every six weeks to consider new applications for milk at a reduced rate and to review the cases in which the cheap milk concession was already in use. Assistance with fares for hospital visiting was granted to seven cases. In August it was decided to hold meetings three-monthly due to the reduction in the number of cases needing extra milk.

**Other Social Work.** The decline in the number of notified cases of tuberculosis continued and again more time was available for work with persons suffering from other chest conditions. Thirty-seven new tuberculosis cases were assisted and 22 new non-tuberculous cases. The figures in the table include both tuberculous and non-tuberculous cases.

Patients and their families were supplied with clothing by the Ministry of Social Security and the Women's Royal Voluntary Service, and three cases were given bedding from the Chest Centre.

One new case was sent for convalescence, two old chest cases were provided with employment at home by a local label-manufacturing firm, the children of two families were admitted to day nurseries, and seven new cases were referred to the Women's Royal Voluntary Service for meals on wheels, although

three of these were given assistance of another nature, according to their need.

On 1st April 1966 Newstead and Ransom Hospitals were transferred to the Mansfield and District Hospital Management Committee; from that date, a social worker ceased to attend Newstead Hospital to assist with the social problems of the chest cases there, this work being undertaken by a medical social worker of another hospital under the same management committee.

Several families and individual patients needing special help were visited regularly by social workers in order to give support and advice regarding financial and domestic problems. Some of this help was only needed temporarily, while other families needed the long-term casework.

| Type of Assistance                      | 1966  | 1965  | 1964  | 1963  | 1962  | 1961  |
|---|-------|-------|-------|-------|-------|-------|
|   | Cases | Cases | Cases | Cases | Cases | Cases |
| Milk at reduced rate .. ..              | 5     | 26    | 29    | 36    | 44    | 146   |
| Referred to Ministry of Social Security | 34    | 26    | 61    | 67    | 103   | 160   |
| Loan of bedding .. ..                   | 2     | 3     | 5     | 11    | 33    | 32    |
| Loan of nursing equipment .. ..         | —     | —     | —     | —     | —     | 22    |
| Domestic help } Home Help               | 11    | 8     | 30    | 14    | 11    | 20    |
| } Service                               | 3     | 1     | —     | —     | —     | 2     |
| } Other help                            | 24    | 32    | 56    | 64    | 70    | 58    |
| Financial advice .. ..                  | 12    | 32    | 46    | 31    | 34    | 39    |
| Housing .. ..                           | 17    | 20    | 25    | 15    | 18    | 25    |
| Advice—general .. ..                    | 6     | 29    | 35    | 40    | 37    | 27    |
| Clothing provided .. ..                 | 3     | 2     | 2     | 3     | 5     | 16    |
| Child care arranged .. ..               | 4     | 18    | 43    | 39    | 57    | 102   |
| Employment arrangements .. ..           | 1     | 4     | 8     | 11    | 13    | 14    |
| Training arrangements .. ..             | 2     | 14    | 8     | 7     | 7     | 8     |
| Convalescence .. ..                     | 6     | 45    | 85    | 74    | 55    | 152   |
| Other matters, inc. occup. therapy ..   |       |       |       |       |       |       |
| TOTALS .. ..                            | 130   | 260   | 433   | 412   | 487   | 723   |



**Notification of Tuberculosis in Immigrants.** Notification of tuberculosis was made in respect of 42 immigrants; the table below shows the nationality of persons affected and comparative numbers in recent years. Seven of the 42 had been in this country for less than two years and 13 had been transferred from other areas in England.

| Nationality          | 1966      | 1965      | 1964      | 1963      | 1962      | 1961      |
|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Asian .. .. .        | 29        | 25        | 17        | 14        | 16        | 11        |
| European .. .. .     | 4         | —         | 1         | 3         | 5         | 4         |
| West Indian .. .. .  | 5         | 3         | 4         | 2         | 1         | 7         |
| Eireann .. .. .      | 4         | 2         | 1         | 1         | —         | 2         |
| <b>TOTAL .. .. .</b> | <b>42</b> | <b>30</b> | <b>23</b> | <b>20</b> | <b>22</b> | <b>24</b> |

## HEALTH OF LONG-STAY IMMIGRANTS

In January, 1965, the Ministry of Health made arrangements whereby medical inspectors at the sea and air ports notified to local health authorities the destination address of all long-stay immigrants referred to them. These new immigrants were visited by tuberculosis visitors and were given information about the health services available to them and their dependants. In particular, they were advised to register with general medical practitioners and to avail themselves of X-ray and Heaf testing facilities provided at the chest clinics.

The table following shows the number of notifications received from port health authorities, the country of origin and the number of successful visits made during the year.

| Country of origin                    | Number of notifications received | Number of first successful visits |
|--------------------------------------|----------------------------------|-----------------------------------|
| <i>Commonwealth countries</i>        |                                  |                                   |
| Caribbean ..                         | 179                              | 144                               |
| India ..                             | 29                               | 21                                |
| Pakistan ..                          | 14                               | 10                                |
| Other Asian                          | 15                               | 11                                |
| African ..                           | 5                                | 2                                 |
| Other ..                             | 1                                | 0                                 |
| <i>Non-Commonwealth countries</i> .. |                                  |                                   |
| European ..                          | 43                               | 17                                |
| Other ..                             | 8                                | 7                                 |
| TOTALS ..                            | 294                              | 212                               |

## CONVALESCENCE

There were 134 requests for convalescence during the year, a decrease of six on the previous year, of which 62 were approved.

Cases were referred mainly by general practitioners and health visitors, but also by other social workers in the city.

The Health Committee contributed towards the maintenance of 42 patients at independent convalescent homes, of whom 30 were also helped with fares. Two women paid the entire cost of convalescent holiday themselves, the others contributing according to their financial position. The remaining 18 patients were sent to the Sheffield Regional Hospital Board Homes at Skegness and Matlock, and to the Diabetic Home at Langwith Lodge, near Mansfield.

The pattern of convalescence remained the same, the majority of patients being elderly women suffering from respiratory, rheumatic and cardiovascular complaints. Arrangements were made for five married couples to go away, where both partners



had been ill and were able to enjoy a period of rest together. Where it was not possible to help other applicants, they were referred to the Nottingham Council of Social Service and to the Cripples Guild.

### Convalescence arranged 1962-1966

| Name of Convalescent Home                               | 1966      | 1965      | 1964      | 1963      | 1962      |
|---|-----------|-----------|-----------|-----------|-----------|
| <b>Regional Hospital Board Homes</b>                    |           |           |           |           |           |
| <i>Sheffield Region:</i>                                |           |           |           |           |           |
| Carey House, Skegness .. .. .                           | 7         | 18        | 27        | 30        | 25        |
| Seely House, Skegness .. .. .                           | 7         | 18        | 18        | 15        | 18        |
| Sheffield Works' Conv. Assn.:—                          |           |           |           |           |           |
| Langwith Lodge, Nether Langwith ..                      | 3         | 2         | 3         | 2         | —         |
| Smedley Memorial Hospital, Matlock ..                   | 1         | 2         | —         | —         | —         |
| <b>TOTAL .. .. .</b>                                    | <b>18</b> | <b>40</b> | <b>48</b> | <b>47</b> | <b>43</b> |
| <b>Independent Homes:</b>                               |           |           |           |           |           |
| George Woofinden Home, Mablethorpe ..                   | 21        | 22        | 29        | 35        | 27        |
| Evelyn Devonshire Home, Buxton ..                       | 5         | 4         | 4         | 3         | 5         |
| Hunstanton C. H. .. .. .                                | 11        | 10        | —         | —         | —         |
| Gordon House, Eden Bridge, Kent ..                      | —         | —         | —         | 1         | —         |
| Boarbank Hall, Grange-over-Sands ..                     | —         | —         | —         | 1         | —         |
| Charnwood Forest Children's C. H. ..                    | —         | 3         | 1         | 1         | —         |
| Shoreditch H. and R. H., Copthorne ..                   | —         | —         | —         | —         | 2         |
| Church Army H. H., Bexhill-on-Sea ..                    | —         | —         | —         | —         | 1         |
| Thomas Banting M. H., Bexhill-on-Sea ..                 | —         | —         | —         | —         | 1         |
| Victorian C. H. and Princess Mary M. H., Bognor .. .. . | 1         | —         | 1         | 1         | —         |
| Hillside Nursing Home, Newark ..                        | —         | —         | 1         | —         | —         |
| "Seabright" C. H., St. Annes'-on-Sea ..                 | 1         | —         | 1         | —         | —         |
| W.R.V.S. Holiday Pavilion—Chigwell ..                   | —         | —         | 1         | —         | —         |
| W.R.V.S. Home, Ilkley .. .. .                           | 2         | 3         | —         | —         | —         |
| Mildmay C. H., Worthing .. .. .                         | 2         | —         | —         | —         | —         |
| <b>TOTAL .. .. .</b>                                    | <b>44</b> | <b>42</b> | <b>38</b> | <b>42</b> | <b>36</b> |

## Age Distribution

|           | Regional Hospital Board Homes |        |       | Independent Homes |        |       |
|-----------|-------------------------------|--------|-------|-------------------|--------|-------|
|           | Male                          | Female | Total | Male              | Female | Total |
| 0-5 years | —                             | —      | —     | —                 | —      | —     |
| 5-19 ..   | —                             | —      | —     | —                 | —      | —     |
| 20-29 ..  | —                             | 1      | 1     | —                 | 2      | 2     |
| 30-39 ..  | —                             | 1      | 1     | —                 | —      | —     |
| 40-49 ..  | 1                             | —      | 1     | 4                 | 4      | 4     |
| 50-59 ..  | 3                             | —      | 3     | 2                 | 2      | 4     |
| 60-69 ..  | 1                             | 4      | 5     | 3                 | 12     | 15    |
| 70-79 ..  | 2                             | 5      | 7     | 5                 | 9      | 14    |
| 80-89 ..  | —                             | —      | —     | 2                 | 3      | 5     |
|           | 7                             | 11     | 18    | 12                | 32     | 44    |

## Reasons for convalescence—1966

| Type of Illness    | Numbers sent to Regional Hospital Board Homes |      |      |      |      | Numbers sent to Independent Homes |      |      |      |      |
|--------------------|---|------|------|------|------|-----------------------------------|------|------|------|------|
|                    | 1966  | 1965 | 1964 | 1963 | 1962 | 1966                              | 1965 | 1964 | 1963 | 1962 |
| Debility .. ..     | 2   | 1    | 4    | 7    | 1    | 13                                | 15   | 17   | 15   | 15   |
| Respiratory ..     | 5   | 7    | 10   | 15   | 14   | 8                                 | 4    | 3    | 5    | 4    |
| Cardio-vascular .. | 1   | 10   | 9    | 6    | 9    | 7                                 | 3    | 9    | 7    | 6    |
| Nervous .. ..      | 2   | —    | 3    | 2    | 4    | 4                                 | 11   | 1    | 7    | 4    |
| Rheumatic ..       | —   | 6    | 2    | 1    | 2    | 8                                 | 6    | 5    | 3    | 7    |
| Digestive .. ..    | —   | 5    | 5    | 3    | 2    | 2                                 | 2    | 1    | 1    | —    |
| Reproductive ..    | —   | 3    | 2    | 4    | 1    | —                                 | —    | 1    | —    | —    |
| Injury .. ..       | —   | 2    | 3    | 2    | 1    | —                                 | 1    | —    | 2    | —    |
| Diabetic .. ..     | 3   | 2    | 3    | 4    | 1    | 1                                 | —    | —    | —    | —    |
| Urinary .. ..      | —   | 1    | —    | 2    | 1    | —                                 | —    | —    | —    | —    |
| Others .. ..       | 5   | 3    | 7    | 1    | 7    | 1                                 | —    | 1    | 2    | —    |
| TOTAL .. ..        | 18  | 40   | 48   | 47   | 43   | 44                                | 42   | 38   | 42   | 36   |



## HEALTH EDUCATION

The programme of health education activities during 1966, similar to those of previous years, was carried out by the health education assistant. Visual aids and other material for use in health education were examined by regular conferences of senior medical staff and their application to the programme supervised by a senior medical officer.

In the widest sense, health education was effected continuously during consultations between members of the public and departmental staff attached to welfare centres, clinics and nurseries. Because it was informal, personal and relevant to the time of consultation, this method of education was probably the more effective. Informal talks given to expectant mothers at relaxation classes were also effective because of the situation in which they were offered.

Twelve films and film strips were shown to staff audiences, some on more than one occasion, as part of in-service training or more informally to assess their value to a wider audience. Subjects varied from nutrition and infant management to mental health, cervical cytology and the effect of the severely handicapped child on family relationships.

Window displays were continued at the Welfare Foods Centre in Mansfield Road. The year's programme, usually changed at monthly intervals, was as follows:—

|           |                               |                                 |
|-----------|-------------------------------|---------------------------------|
| January   | Fresh air, exercise and sleep | "For your good health 1966"     |
| February  | Coughs and sneezes            | "Keep your cold to yourself"    |
| March     | Immunisation (various)        | "Immunisation will protect"     |
| April     | Balanced diet                 | "What to eat and why"           |
| May       | Life cycle of the fly         | "Kill that fly"                 |
| June      |                               |                                 |
| 6th-13th  | Mental Health Week            | "Mental health is your concern" |
| 13th-20th | Dental care                   | "How decay spreads in a tooth"  |

|           |                               |                                 |
|-----------|-------------------------------|---------------------------------|
| July      | Keep Britain tidy             | "Don't drop litter"             |
| August    | Noise                         | "Noise matters to health"       |
| September | Fresh air, exercise and sleep | "For your good health"          |
| October   | Immunisation (polio)          | "Immunisation will protect"     |
| November  | Dental care                   | "Take care of your teeth"       |
| December  |                               |                                 |
| 5th-12th  | Medicines and home safety     | "Lock away dangerous medicines" |
| 12th-31st | Christmas greeting            | "Your good health"              |

By courtesy of the manager, four displays, each lasting a fortnight, were shown in the windows of a bank in the city centre:—

|                   |                        |                                 |
|-------------------|------------------------|---------------------------------|
| February 21st-    |                        |                                 |
| March 11th        | Immunisation (various) | "Immunisation will protect"     |
| April 4th-25th    | Dental care            | "Take care of your teeth"       |
| June 6th-11th     | Mental Health Week     | "Mental health is your concern" |
| October 17th-31st | Prevent food poisoning |                                 |

A display on the subject of food hygiene was made available to the Clarendon College School of Cookery early in the year while material on poisonous berries and fungi was loaned to the West Bridgford Home Safety Committee during the summer.

Permanent notices concerning the facilities for treatment of venereal disease and the danger of delay in obtaining advice were displayed in public conveniences in the city.

The health education assistant was also responsible for the design of many notices produced to advise the public of services available to them.



## CERVICAL CYTOLOGY

This preventive screening for the detection of early malignant change in the cervix uteri, was commenced in January 1966. The clinics were held thrice-weekly, one at each of the Edwards Lane, Radford and Sneinton Welfare Centres.

In response to repeated demands for extension of the service to women who were working and unable to attend during the day, evening clinics were organised and commenced at the beginning of November. One clinic weekly to cater for the different parts of the city was arranged at the Edwards Lane, Radford, Sneinton and Ernest Purser Welfare Centres and timed from 6.30 to 8.0 p.m.

The result was immediate, and at the second clinic 89 tests were taken.

The letter which follows speaks for itself:—

“ Dear Sir,

I attended the Radford Boulevard Clinic last evening for the Cervical Cancer test, and would like you to know how much we appreciated the way in which the Doctor and her staff dealt with the large crowd there.

There were 5 or 6 after me, and I left at 11.15 p.m. Women had come from all over the city and although worried about last buses and families, all felt it worth while to stay on.

I hope it will not be necessary in future for staff to stay so late, but we admired the way the doctor said she would see everyone before she packed up for the night.

If you find it possible to convey my appreciation, and that of many others who were strangers to me, to all the staff, I should be grateful.

Yours faithfully,”

Figures as to total attendances and sessional averages are given below, together with the number of smears found positive in 1,000 tests.

There are also interesting total attendances on certain dates. No conclusion can be drawn from these figures at this early stage, but the substantial response might appear to have been related to local and national propaganda.

### Attendances and Results

#### A DAYTIME CLINICS

| Quarter   | Edwards Lane |                   | Radford |                   | Sneinton |                   | All Clinics |                   |
|-----------|--------------|-------------------|---------|-------------------|----------|-------------------|-------------|-------------------|
|           | Total        | Sessional Average | Total   | Sessional Average | Total    | Sessional Average | Total       | Sessional Average |
| 1st ..    | 510          | 39                | 883     | 68                | 338      | 26                | 1,731       | 44                |
| 2nd ..    | 456          | 41                | 709     | 55                | 397      | 33                | 1,562       | 43                |
| 3rd ..    | 234          | 20                | 485     | 37                | 267      | 22                | 986         | 27                |
| 4th ..    | 200          | 17                | 465     | 36                | 245      | 20                | 910         | 25                |
| TOTALS .. | 1,400        | 29                | 2,542   | 49                | 1,247    | 25                | 5,189       | 35                |

Attendance of 100 and over: Edwards Lane 28.2.66 113; 7.3.66 108.  
 Radford 24.2.66 121; 3.3.66 156; 10.3.66 136  
 17.3.66 122; 24.3.66 105

#### B. EVENING CLINICS

| Edwards Lane |                   | Radford |                   | Sneinton |                   | Ernest Purser |                   | All Clinics |                   |
|--------------|-------------------|---------|-------------------|----------|-------------------|---------------|-------------------|-------------|-------------------|
| Total        | Sessional Average | Total   | Sessional Average | Total    | Sessional Average | Total         | Sessional Average | Total       | Sessional Average |
| 55           | 27                | 107     | 53                | 31       | 15                | 66            | 66                | 259         | 37                |

#### No. of positive smears per 1,000 tests

|                    | Edwards Lane | Radford | Sneinton | Ernest Purser | All Clinics |
|--------------------|--------------|---------|----------|---------------|-------------|
| A. DAYTIME CLINICS | 9            | 11      | 20       | —             | 13          |

No rate for positive smears at evening clinics is given as the numbers so far are not significant.



## HOME HELP SERVICE

A review of the work undertaken during the year showed a close similarity to that of the last five years. Requests for help for the elderly remained at a high level and resulted in 83 per cent of all cases helped being in this category. It was apparent during the year that admission to hospital for the ambulant elderly was becoming easier and as a result fewer cases needed daily help. With a decrease in the number of helpers available, it was difficult to allow adequate time to cover the duties they were expected to perform, especially during the winter months.

New requests for help totalled 1,636, nearly one-third of these coming from relatives and friends. The rest came from hospitals, general practitioners, health visitors, home nurses and other statutory and voluntary bodies. Of these requests, 965 were met and in addition 2,004 cases were brought forward from 1965.

Help was provided to 107 maternity cases including four that commenced in 1965. The amount of help given ranged from full-time to as little as two hours per day and in the latter cases the helper was only expected to undertake a limited amount of work.

Eight problem families were helped including five new cases, and these presented only normal problems. Families of seven or eight children, with mother and father in failing health, fell into this category and whilst specially chosen helpers were allocated to these homes the work proved a challenge.

Two new tuberculosis cases were assisted and only three old cases continued to require help. Bearing in mind that helpers are not always happy to attend this type of case, the reduction was welcomed.



Five cases referred by the Mental Health Department received help and these included only one new case. There were many cases of senility among the elderly that presented problems. Forgetfulness on the part of an elderly man or woman often leads to misunderstandings and as a result helpers request frequent changes from these cases, which when effected are not always welcomed by the householder.

The waiting list of 328 in January, particularly high owing to the absence from duty of 44 helpers, was reduced to 160 by the end of the year. Senior and emergency helpers were invaluable in giving the occasional session of help to cases who would otherwise remain on the waiting list.

Helpers employed reduced from 391 at the beginning of the year to 369 at the end, including three male helpers. To assist recruitment, in addition to advertising, posters were displayed in shop windows but this method was not successful. Recruitment, however, improved a little from August onwards, probably as a result of Selective Employment Tax. While new helpers came, others left, and the average number of hours worked fell to 8,250 weekly. The reduction in January of the working week of full-time helpers from 42 to 40 hours also contributed to this fall.

One case worker resigned on marriage and this post was filled. Three clerks resigned; only the vacancy in the wages and accounts office remained unfilled. A male assessment officer commenced duty in June, a new appointment to replace the three junior caseworkers who had left the Service. It had been agreed that a yearly review of non-paying cases was to replace the quarterly reviews previously made. The clerical work dealing with assessments and the financial problems met in the field by the visiting staff, are now dealt with by the assessment officer, giving the organisers and caseworkers more time to deal with the social side of their work.

Initial visits made to cases before help could commence totalled 2,072 whilst those for review purposes were 3,644.



A review of case-loads showed clearly that district boundaries needed adjusting. This was done over a period and was completed at the end of May. The case load in each district by the end of the year had remained very similar, varying between 500 and 530.

**Institute of Home Help Organisers.** The annual conference and weekend school of the Institute held at Brighton in September was attended by the Home Help Organiser and one district organiser.

**Finance.** A wage award to home helps increased the full cost charge by 3d. per hour to 5s. 0d. in January. This gave rise to an increase in income to over £10,000.

The Ministry of Social Security Act, 1966, operative from 28th November, made it necessary to review the assessment scale. It was also considered opportune to revise the method of assessing; it is hoped that new rules will be introduced early next year.

| No. of Helpers at 31st December   |       |       |       |        |        |        |        |
|-----------------------------------|-------|-------|-------|--------|--------|--------|--------|
|                                   | 1966  | 1965  | 1964  | 1963   | 1962   | 1961   | 1960   |
| Full-time .. ..                   | 64    | 78    | 90    | 106    | 124    | 146    | 150    |
| Part-time .. ..                   | 301   | 309   | 315   | 325    | 330    | 304    | 308    |
| Casual .. ..                      | 4     | 4     | 7     | 15     | 19     | 20     | 2      |
| TOTAL .. ..                       | 369   | 391   | 412   | 446    | 473    | 470    | 460    |
| Hours worked                      |       |       |       |        |        |        |        |
| Weekly average ..                 | 8,250 | 8,500 | 9,400 | 10,450 | 10,725 | 11,000 | 11,200 |
| Result of Applications            |       |       |       |        |        |        |        |
| Help supplied ..                  | 965   | 1,020 | 1,098 | 1,092  | 1,114  | 1,292  | 1,254  |
| Awaiting help ..                  | 18    | 13    | 21    | 33     | 27     | 46     | 39     |
| Advance maternity bookings ..     | 34    | 32    | 30    | 26     | 36     | 55     | 49     |
| Not qualifying ..                 | 55    | 45    | 46    | 27     | 42     | 32     | 33     |
| Cancelled or arranged own help .. | 564   | 515   | 564   | 492    | 465    | 471    | 494    |
| TOTAL .. ..                       | 1,636 | 1,625 | 1,759 | 1,670  | 1,684  | 1,896  | 1,869  |

## Analysis of Cases Assisted and Payments made

|                       | Full cost | Part cost | Nil   | Total  |
|-----------------------|-----------|-----------|-------|--------|
| Old Age Pensioners:   |           |           |       |        |
| Chronic illness .. .. | 355       | 182       | 2,028 | 2,565  |
| Acute illness .. ..   | 3         | —         | 3     | 6      |
| Others:               |           |           |       |        |
| Chronic illness .. .. | 38        | 23        | 111   | 172    |
| Blind .. ..           | 1         | —         | 4     | 5      |
| Acute illness .. ..   | 50        | 4         | 42    | 96     |
| Maternity .. ..       | 84        | 21        | 2     | 107    |
| Tuberculosis .. ..    | —         | —         | 5     | 5      |
| Social cases .. ..    | 4         | —         | 4     | 8      |
| Mental disorder .. .. | —         | 1         | 4     | 5      |
| TOTAL .. ..           | 535       | 231       | 2,203 | 2,969* |

\* Includes 2,004 cases carried forward to 1966.

## ANNUAL EXPENDITURE AND INCOME SINCE INCEPTION

| Financial year | Expenditure | Income |
|----------------|-------------|--------|
|                | £           | £      |
| 1944/5 ..      | 50          | 15     |
| 45/6 ..        | 1,343       | 725    |
| 46/7 ..        | 2,647       | 1,408  |
| 47/8 ..        | 5,363       | 2,603  |
| 48/9 ..        | 10,591      | 3,639  |
| 49/50 ..       | 17,672      | 4,621  |
| 50/1 ..        | 27,191      | 3,369  |
| 51/2 ..        | 46,966      | 4,359  |
| 52/3 ..        | 78,342      | 5,249  |
| 53/4 ..        | 93,423      | 5,445  |
| 54/5 ..        | 99,347      | 5,895  |
| 55/6 ..        | 106,444     | 6,818  |
| 56/7 ..        | 115,174     | 8,369  |
| 57/8 ..        | 120,204     | 8,184  |
| 58/9 ..        | 133,328     | 9,391  |
| 59/60 ..       | 133,627     | 8,405  |
| 60/1 ..        | 133,796     | 8,199  |
| 61/2 ..        | 143,058     | 9,427  |
| 62/3 ..        | 136,192     | 8,675  |
| 63/4 ..        | 142,885     | 10,513 |
| 64/5 ..        | 138,683     | 9,967  |
| 65/6 ..        | 137,764     | 10,273 |
| *66/7 ..       | 141,645     | 10,005 |

\* Approximate actual



## MENTAL HEALTH SERVICE

**MENTAL ILLNESS. Admission to Hospital.** Investigation of cases reported with a view to admission to hospital continued to be an important aspect of mental welfare officers' work. The cases that came to attention during the year numbered 974 compared with 955 in 1965. Of these 517 were admitted to hospital compared with 474 in the previous year. Urgent action under Section 29 of the Mental Health Act 1959 was required in 122 cases, 119 were admitted for observation under Section 25, but admission for treatment under Section 26 was only necessary in one case. Advantage of informal admission was taken by 272 patients. Arrangements were made for 38 to attend the day hospital and 55 the psychiatric out-patient clinics. Suitable recommendations were made in nine cases where admission to a welfare home was considered appropriate, and of the remainder 71 were referred to the family doctor.

**Community Care.** The social work service, reorganised in 1965 to provide four complete teams each with its own area of the city, worked at some disadvantage throughout the year. The teams were to consist of a senior mental welfare officer, mental welfare officer and a welfare assistant, with one of the Mapperley Hospital social workers operating in association with each team, but it proved impossible to secure the services of sufficient trained and experienced mental welfare officers and additional trainees had to be engaged. A further handicap was that one mental welfare officer resigned and one of the Mapperley Hospital social workers was away ill for a prolonged period. Consequently the senior staff undertook an increased work load as well as additional training responsibilities.

In all, six new recruits were engaged as trainees. By use of in-service training programmes and secondment to courses for the Certificate in Social Work staffing prospects for the future, however, seemed good.

A total of 11,416 home visits was made during the year, compared with 10,293 in 1965. The number of psychiatric patients receiving after-care at the end of the year was 1,016 compared with 965 at the beginning of the year. Individual case loads of the hospital social workers averaged 133, all psychiatric cases, but each senior mental welfare officer was responsible for a total of 361 including many mentally subnormal. The senior mental welfare officer undertook the case work of special difficulty in each district and allocated suitable cases to the mental welfare officer and mental welfare assistant, ensuring that those most in need had service from fully experienced officers.

A pleasing illustration of the fact that the service continued to be readily accepted by those who suffered from some form of mental illness was that such persons made no less than 1,941 personal calls to the office to discuss their problems and seek advice.

Finding suitable employment for those patients having no work to which to return on discharge from hospital continued to be a problem. Close liaison with the disablement resettlement officer of the Ministry of Labour was maintained and many patients' difficulties were solved in this way, but mental welfare officers were directly concerned in seeking employment for those whose condition offered poor prospects in the labour market and mainly as a result of personal contacts ten such persons were established in employment.



To re-establish discharged patients as useful members of society it was necessary not only to seek employment in necessary cases but also to ensure a stable home background. For those without homes a constant search for suitable living accommodation continued. In an attempt to augment those lodgings found by direct enquiry, the publicity media of press and television were used, resulting in a few additional placements, but many more were needed.

**Nuffield House.** Details of work at Nuffield House in the prevention of mental deterioration in the elderly appear on page 80.

**MENTAL SUB-NORMALITY. Admission to Hospital.** For purposes of providing family relief at times of holidays or domestic crises there were 113 short-term admissions to Balderton or Aston Hall Hospitals. Only 12 were admitted for longer periods.

**Community Care.** At the end of the year community care was being provided for 960 mentally subnormal persons.

Regular home visiting was the basis of this work, 4,743 visits being made, but in addition 477 interviews were held at the Mental Health Department as a result of family initiative.

Admission to the training centres was made available almost immediately to any subnormal likely to benefit from attendance there.

Placement in employment was usually achieved through liaison with the Ministry of Labour and the Youth Employment Service, but in four instances this was obtained directly by mental welfare officers.

**Training Centres.** The work of the training centres continued to develop on the lines indicated in the last report but the adapted buildings were becoming over-crowded and new purpose-built premises, which toward the end of the year were reaching advanced planning stages, were urgently required. It was hoped that building of the new Junior Training Centre would start early in 1967.

On 31st December, 1966, the position was:—

|                        |    |    | <i>No. on register</i> |
|------------------------|----|----|------------------------|
| Junior Training Centre | .. |    | 138                    |
| Special Care Unit      | .. | .. | 48                     |
| Adults                 | .. | .. | 14                     |
| Juniors                | .. | .. | 34                     |
| Advanced Training Unit | .. |    | 58                     |
| Occupations Unit       | .. | .. | 77                     |

A new development during the year was the inclusion of some industrial work to the curriculum in the Occupations Unit. This unit catered for adults of lower grades whose limitations were considered to be such that employment in industry was unlikely and prolonged training, occupation and organised recreation found to be necessary. Nevertheless stimulation was gained from being engaged in "proper" work and the plan was developed for a work pool from which small groups were drawn for training in other skills thus enabling more personal tuition to be given. Staff changes handicapped the work of this department but some progress was made.

The Advanced Training Unit developed in depth projects started in the previous year and added further industrial contracts to the range of its activities.



Efforts were made to strike a balance between basic productions and contract work. The latter fluctuated with the season and it was considered essential to have stand-by occupations to which labour could be turned when there was a slackening in outside contracts. The basics were simple carpentry, the manufacture of chain-link fencing, and horticultural work which included intensive greenhouse work.

Two outside contracts which settled into routine work likely to continue steadily without fluctuation were the packing of sterile kits for midwives, first undertaken experimentally last year, and the additional packing of surgical dressings for the City Hospital. This type of work became a joint project employing women from both the Advanced Training Unit and from the Occupations Unit working side by side as a team. The more seasonal work undertaken for outside agencies was mainly cardboard box making. One contract undertaken by the Occupations Unit consisted of folding precut cardboard into box shapes secured by glueing. In the Advanced Training Unit similar work was undertaken as part of a different contract but in this case the boxes were machine-stitched using automatic stapling machines provided by the firm.

Although an industrial atmosphere was being created within the training centre emphasis was put on the training potential of work undertaken rather than output and financial return. Proffered contract work was therefore closely examined as to its value as a training process and only accepted when the components could be graded to suit the needs of trainees. Similarly, over-large contracts were avoided where after a time there would be only sheer repetition of skills already acquired. As far as possible firm delivery dates were also avoided so that there would be no



danger of undue pressure to complete contracts. The few snags that arose were easily overcome and work proceeded smoothly and satisfactorily with repeat orders coming along regularly and a good relationship was developed with the industrial concerns involved.

The horticultural project expanded well. The enlarged greenhouse was fully used and most plants grown were sold by direct sales to the public and to friends and relatives of trainees. There was a heavy demand for tomato plants and the sale of pot plants was also encouraging. In the autumn large quantities of sturdy wallflower plants found a very ready sale. By the end of the year one or two trainees were showing signs of approaching the stage when employment as gardeners could be contemplated.

The Special Care Unit continued to do valuable work. The junior section took in those children too handicapped for the Junior Training Centre but progress was such that transfer for some was possible at a later stage. The adult section had a particularly heavy task in caring for adults so severely subnormal that training could only be achieved at the simplest levels.

Toward the end of the year use of additional temporary premises was obtained on the site of the Junior Training Centre thereby enabling transfer of most of the children in the Special Care Unit to take place early in 1967 so that juniors would be together at Beechdale Road.

**Staff.** The Mental Health Officer was appointed by the Ministry of Health to a second term as a member of the Council for Training in Social Work.

Mr. F. J. Scott, a mental welfare officer from 1953, resigned to join the Probation Service. His departure was a loss to the department but undoubtedly an asset to the service he joined.



Mr. C. W. Tipton successfully completed the first year of his course for the Certificate in Social Work, and his return in mid-1967 will help to alleviate the staffing situation.

Miss K. Bratley was seconded to the one-year course for the Diploma in Teaching Mentally Subnormal Adults at Hull College of Commerce, and her return will strengthen the staff of the Adult Training Centre.

**Dental Care.** Emergency treatment continued to be available at Education Committee Dental Clinics. During the year, 30 patients were presented for advice or treatment, of whom 26 were treated. Thirty-nine appointments were given, of which 32 were kept. Sixty-six temporary teeth and 23 permanent teeth were extracted, 27 general anaesthetics being given.

## NUMBER OF PERSONS REPORTED AS MENTALLY ILL

|                            |    |    |    |     | Under 65 years |     | Over 65 years |     | Totals |
|----------------------------|----|----|----|-----|----------------|-----|---------------|-----|--------|
|                            |    |    |    |     | M.             | F.  | M.            | F.  |        |
| Reported by:—              |    |    |    |     |                |     |               |     |        |
| Police                     | .. | .. | .. | 65  | 58             | 2   | 13            | 138 |        |
| Hospitals                  | .. | .. | .. | 103 | 92             | 19  | 18            | 232 |        |
| Medical practitioners      | .. | .. | .. | 54  | 67             | 51  | 114           | 286 |        |
| Relatives                  | .. | .. | .. | 36  | 52             | 12  | 28            | 128 |        |
| Others                     | .. | .. | .. | 46  | 60             | 23  | 61            | 190 |        |
| TOTAL .. .. .              |    |    |    |     | 304            | 329 | 107           | 234 | 974    |
| Disposal:—                 |    |    |    |     |                |     |               |     |        |
| Admitted under Sect. 25    | .. |    |    | 45  | 57             | 5   | 12            | 119 |        |
| "    "    " 26             | .. |    |    | —   | 1              | —   | —             | 1   |        |
| "    "    " 29             | .. |    |    | 50  | 57             | 3   | 12            | 122 |        |
| " as informal patient      | .. |    |    | 95  | 68             | 44  | 65            | 272 |        |
| " Sect. 136                |    |    |    | 2   | 1              | —   | —             | 3   |        |
| TOTAL ADMITTED TO HOSPITAL |    |    |    |     | 192            | 184 | 52            | 89  | 517    |
| For community care         | .. | .. |    | 15  | 21             | 28  | 70            | 134 |        |
| Not accepted               | .. | .. |    | 60  | 63             | 10  | 17            | 150 |        |
| Referred to:—              |    |    |    |     |                |     |               |     |        |
| Welfare Services           | .. | .. |    | —   | —              | —   | 9             | 9   |        |
| Family doctor              | .. | .. |    | 16  | 23             | 9   | 23            | 71  |        |
| O/P Clinic                 | .. | .. | .. | 18  | 32             | 2   | 3             | 55  |        |
| Day Hospital               | .. | .. | .. | 3   | 6              | 6   | 23            | 38  |        |
| TOTAL .. .. .              |    |    |    |     | 304            | 329 | 107           | 234 | 974    |



## SUBNORMAL AND SEVERELY SUBNORMAL PERSONS

| New Cases Reported        |    |    |    | Males | Females | Totals |
|---------------------------|----|----|----|-------|---------|--------|
| Reported by:—             |    |    |    |       |         |        |
| Local Education Authority | .. |    |    | 25    | 25      | 50     |
| Other sources             | .. | .. | .. | 20    | 7       | 27     |
|                           |    |    |    | 45    | 32      | 77     |
| Disposal of cases:—       |    |    |    |       |         |        |
| Admitted to hospital      | .. | .. | .. | 5     | 3       | 8      |
| Attending Training Centre | .. | .. | .. | 13    | 12      | 25     |
| Community care            | .. | .. | .. | 27    | 17      | 44     |
|                           |    |    |    | 45    | 32      | 77     |

## TRAINING CENTRES

## Analysis of trainees on the registers on 31st December

| Age Groups        | Intelligence Quotients |                |                |                |                |               | Totals |
|-------------------|------------------------|----------------|----------------|----------------|----------------|---------------|--------|
|                   | Below<br>30            | 30<br>to<br>40 | 41<br>to<br>50 | 51<br>to<br>70 | 71<br>to<br>90 | Not<br>tested |        |
| FEMALES:          |                        |                |                |                |                |               |        |
| Under 7 years ..  | 5                      | —              | —              | —              | —              | 1             | 6      |
| 7 to 11 „ ..      | 14                     | 4              | 3              | 6              | —              | 1             | 28     |
| 12 to 15 „ ..     | 10                     | 2              | 8              | 12             | —              | —             | 32     |
| 16 to 20 „ ..     | 7                      | 3              | 14             | 6              | —              | —             | 30     |
| 21 to 39 „ ..     | 2                      | 6              | 14             | 2              | —              | —             | 24     |
| 40 years and over | 1                      | 1              | 1              | 1              | —              | —             | 4      |
|                   | 39                     | 16             | 40             | 27             | —              | 2             | 124    |
| MALES:            |                        |                |                |                |                |               |        |
| Under 7 years ..  | 10                     | —              | 1              | —              | —              | —             | 11     |
| 7 to 11 „ ..      | 19                     | 8              | 4              | 6              | —              | —             | 37     |
| 12 to 15 „ ..     | 22                     | 1              | 17             | 13             | 2              | —             | 55     |
| 16 to 20 „ ..     | 6                      | 11             | 7              | 13             | 4              | —             | 41     |
| 21 to 39 „ ..     | 14                     | 14             | 6              | 10             | 3              | 3             | 50     |
| 40 years and over | —                      | —              | 1              | 2              | —              | —             | 3      |
|                   | 71                     | 34             | 36             | 44             | 9              | 3             | 197    |

## PART III

### ENVIRONMENTAL SERVICES

Caravan Sites and Control of Development Act 1960

Clean Air Act 1956

Factories Act 1961

Fertilisers and Feeding Stuffs Act 1926

Food and Drugs Act 1955

Housing Acts 1957-1964

Noise Abatement Act 1960

Nottingham Corporation Acts 1923-1952

Offices, Shops and Railway Premises Act 1963

Pharmacy and Poisons Act 1933

Prevention of Damage by Pests Act 1949

Public Health Acts 1936-1961

Rag Flock and Other Filling Materials Act 1951

Rent Act 1957

Shops Act 1950

Slaughter of Animals Act 1958

Slaughterhouses Acts 1954-1958

#### SANITATION

#### HOUSING

#### ATMOSPHERIC POLLUTION

#### FOOD SUPERVISION AND INSPECTION

#### GENERAL



## SANITATION

Various sites, usually on land awaiting development, were occupied by itinerants during the year, resulting in nuisance to nearby residents because of the insanitary conditions created by lack of proper amenities. A permanent solution to this problem was not found by prosecution of the offenders or by evicting them from one site after another. Following the result of a census carried out in 1965 by the Ministry of Housing and Local Government to find out the number of gypsies and other travellers in England and Wales, the Minister sent to all local authorities Circular No. 26/66 urging them to consider providing suitable sites for such persons in the hope that they would eventually settle down and become part of the normal community. Apart from improving the living conditions of such caravan dwellers and reducing the friction which inevitably arises between them and local residents, their children would have an opportunity of receiving education, which, in the long term, might be the means of them taking regular employment. As the Circular suggested, several local authorities could combine to provide properly equipped caravan parks, and this appeared to be the first appropriate step to resolve the difficulty.

The number of site licences still in force under the Caravan Sites and Control of Development Act 1960 was six.

The keeping of animals was a source of numerous complaints. In many instances dogs had been bought for children who soon lost interest in them, and the untrained pets were left to wander, fouling common passages, private yards and public pavements. Rabbits and poultry kept in small yards were also often housed in inadequate and poorly maintained structures with consequent annoyance from smell to neighbours. In one case where a large

number of poultry were kept under unsatisfactory conditions it was necessary to take legal proceedings against the owner for failing to comply with a Nuisance Order and he was fined £10 with £4 19s. 0d. costs.

Much work was done to try to maintain the large number of houses scheduled for future demolition in a reasonable condition for the limited period of occupation. This work was not easy as many of the defects were of a structural character and only the minimum work to keep the houses "wind and weather proof" was usually possible.

Noise was the reason for several complaints from residents living near engineering works, and while a considerable amount of work was done by the various firms to reduce the level of noise, often the type of industry was such that some noise was inevitable, and the complainants were not always satisfied. In this connection it was interesting to note that in the report of the Central Housing Advisory Committee entitled "Our Older Homes: A Call for Action" issued in November, the view was expressed that houses subjected to such unsatisfactory environmental conditions arising from severe noise and vibration might be regarded as unfit for human habitation.

### **WATER**

The city's water supply was satisfactory in quality and quantity throughout the year.

Bacteriological analyses of supplies from each source were undertaken monthly by the City Analyst, and at those works where treatment was carried out, samples of water were examined both prior to and following such treatment. During the year 221 samples were taken and B.coli was absent in 200 mls. of all treated



water put into supply. Of these samples, 55 were of water which was not subsequently treated, and in no case was B.coli present in 100 mls. or less. In addition, samples were taken weekly, 1,091 in all, from the various sources, for bacteriological examination by the Public Health Laboratory.

Bacteriological examination of the water, as it left the consumer's tap, was continued during the year. For this purpose, 132 samples were taken at random and the results of the analyses, which were carried out by the Public Health Laboratory, were satisfactory in all cases.

Chemical analyses were made monthly from each source, and the extent and results of these examinations are indicated by the findings for the month of December, 1966, see table.

The number of houses supplied in the city on 31st December, 1966, was 102,893, and the estimated population 310,280. All were supplied directly from the mains.

No action was taken concerning fluoridation of water supplies.

### SWIMMING BATHS

There were ten public swimming baths in the city, seven being indoor and three open-air pools. Six of the indoor baths were open summer and winter. A total of 20 samples of water were sent to the City Analyst for bacteriological and chemical examination, all of which were found to be satisfactory.

In addition two samples of water taken from the paddling pool at Bulwell Lido were satisfactory.

| Analyses from each source of supply                           |                          |                          |                          |  |                           |                        |                          |                                 |                            |                         |                            | December, 1966 |  |
|---|--------------------------|--------------------------|--------------------------|--|---------------------------|------------------------|--------------------------|---------------------------------|----------------------------|-------------------------|----------------------------|----------------|--|
|   | Basford Pumping Station  | Bestwood Pumping Station | Boughton Pumping Station | Burton Joyce Pumping Station<br>Boreholes 2, 3 and 4 | Eastwood Filtration Works | Halam Pumping Station  | Lambley Pumping Station  | Markham Clinton Pumping Station | Papplewick Pumping Station | Rufford Pumping Station | Salterford Pumping Station |                |  |
| These samples contain per 1,000,000 parts:—                   |                          |                          |                          |  |                           |                        |                          |                                 |                            |                         |                            |                |  |
|   | Water prior to treatment | Water prior to treatment | Water prior to treatment | Water not treated                                    | Water prior to filtration | Water after filtration | Water prior to treatment | Water not treated               | Water prior to treatment   | Water after treatment   | Water after treatment      |                |  |
| Total Solids dried at 180°C.                                  | 472·00                   | 290·00                   | 255·00                   | 326·00   | 122·00                    | 122·00                 | 170·00                   | 150·00                          | 186·00                     | 210·00                  | 228·00                     |                |  |
| Suspended Matter ..   | Absent                   | Absent                   | Absent                   | Absent   | Absent                    | Absent                 | Absent                   | Absent                          | Absent                     | Absent                  | Absent                     |                |  |
| Chlorides as chlorine ..                                      | 53·20                    | 30·10                    | 40·80                    | 14·20  | 17·70                     | 17·70                  | 14·20                    | 16·00                           | 23·10                      | 35·50                   | 24·80                      |                |  |
| Oxidised Nitrogen as nitrate                                  | 11·10                    | 8·65                     | 5·36                     | 0·21   | 0·21                      | 0·21                   | 0·82                     | 0·21                            | 3·09                       | 1·85                    | 3·90                       |                |  |
| Oxidised Nitrogen as nitrite                                  | 0·006                    | Absent                   | Absent                   | Absent   | 0·001                     | 0·001                  | Absent                   | Absent                          | Absent                     | 0·003                   | Absent                     |                |  |
| Free and saline Ammonia ..                                    | 0·004                    | 0·004                    | 0·004                    | 0·004  | 0·016                     | 0·004                  | 0·004                    | 0·004                           | 0·004                      | 0·044                   | 0·004                      |                |  |
| Albuminoid Ammonia ..   | 0·004                    | 0·004                    | 0·004                    | 0·004  | 0·016                     | 0·004                  | 0·004                    | 0·004                           | 0·004                      | 0·004                   | 0·004                      |                |  |
| Temporary Hardness ..   | 160·00                   | 83·00                    | 110·00                   | 180·00   | 18·00                     | 18·00                  | 113·00                   | 117·00                          | 50·00                      | 75·00                   | 55·00                      |                |  |
| Permanent Hardness ..   | 196·00                   | 94·00                    | 78·00                    | 96·00  | 30·00                     | 30·00                  | 7·00                     | 9·00                            | 68·00                      | 59·00                   | 85·00                      |                |  |
| Oxygen absorbed in 4 hrs. @ 27°C. from N/80 KmnO <sub>4</sub> | 0·12                     | 0·06                     | 0·04                     | 0·00   | 0·72                      | 0·40                   | 0·04                     | 0·00                            | 0·04                       | 0·02                    | 0·00                       |                |  |
| pH value ..   | 7·5                      | 7·9                      | 7·7                      | 7·5  | 9·2                       | 9·2                    | 7·9                      | 7·9                             | 7·9                        | 7·7                     | 7·9                        |                |  |
| Odour and Taste ..  | Normal                   | Normal                   | Normal                   | Normal   | Normal                    | Normal                 | Normal                   | Normal                          | Normal                     | Normal                  | Normal                     |                |  |
| Colour-Hazen Units ..   | Less than 5              | Less than 5              | Less than 5              | Less than 5  | Less than 5               | Less than 5            | Less than 5              | Less than 5                     | Less than 5                | Less than 5             | Less than 5                |                |  |
| Heavy Metals ..   | Absent                   | Absent                   | Absent                   | Absent   | Absent                    | Absent                 | Absent                   | Absent                          | Absent                     | Absent                  | Absent                     |                |  |
| Free Chlorine ..  | Absent                   | Absent                   | Absent                   | Absent   | 0·20                      | Absent                 | Absent                   | Absent                          | Absent                     | 0·17                    | 0·12                       |                |  |



### SEWERAGE

The whole of the city's sewerage system is on the combined or separate systems except for approximately 60 cesspools in mainly isolated locations.

The annual programme for the replacement of defective sewers has continued with work in Foxhall Road, Ben Street, Osborne Street, Wallan Street and Player Street.

Progress has been maintained on the River Leen Improvement Scheme, with contract No. 2, the length up to Triumph Road, having started in March.

The main Pumping Station at Sneinton was commissioned in August, and work started on the Dunkirk Pumping Station in June.

### SEWAGE PURIFICATION

The drainage area served by the Sewage Disposal Works was increased to 44,936 acres, with a population of 454,146, through the reception of sewage from Lambley in the Basford Rural District. The average daily flow of sewage and industrial wastes was 34·7 million gallons, varying from a minimum of 19·7 million gallons to a maximum of 65·5 million gallons. Expressed chemically, industrial wastes were equivalent to the domestic sewage from an additional 203,000 persons.

In addition to over 4,500 tons of grit, primary solids from sedimentation tanks amounted to 13,600 tons, which on anaerobic digestion yielded 180,955,800 cubic feet of gas. This was used as the major fuel supply of the works' power station and for space heating purposes in works buildings.

Digested sludge comprising 9,589 tons of dry solids was disposed of on drying beds and farmland without nuisance.

All sewage received passed through treatment processes before discharge to the River Trent, and effluent quality was highly satisfactory.

### PUBLIC HEALTH ACTS

**Workplaces.** No action was necessary at any workplace.

**Common Lodging Houses.** The two establishments in the city run by the Corporation and the Salvation Army respectively were each visited on seven occasions and were found to be satisfactorily conducted.

**Canal Boats.** The canals and other navigable waters within the city were visited on four occasions and 13 boats were inspected; there were no women or children aboard the boats.

It was necessary to serve one notice for repairs to the cabin floor and ceiling of one boat. No case of infectious disease was reported, nor was it necessary to detain any boat for cleansing or disinfection.

During the year five registrations were cancelled and the total number of boats registered with the Authority was 29.

### KNACKERY

There is one knackery of modern construction in the city. It is situated on land owned by the Corporation at the Eastcroft Depot; the premises were supervised and found to be satisfactory.



### RAG FLOCK AND OTHER FILLING MATERIALS

Licences and registrations in force:

|                                |    |    |    |
|--------------------------------|----|----|----|
| Upholstery premises registered | .. | .. | 23 |
| Licences to store rag flock    | .. | .. | 2  |

A total of 47 samples of various filling materials was taken and submitted for analysis. The following were found to be unsatisfactory:

|   | <i>Action Taken</i>   |
|---|---|
| Sample (No. 6) wool felt had a small excess of chlorides.             | Letter from Chief Public Health Inspector to manufacturers.     |
| Sample (No. 8) curled feathers had an excess of extracted matter.     | No action.  |
| Sample (No. 11) curled feathers had an excess of extracted matter.    | No action.  |
| Sample (No. 24) washed flock (loose) had excess oil and soap content. | Letter from Chief Public Health Inspector to supplier.          |
| Sample (No. 36) wool felt (layered) had excess chlorides content.     | Followed by a satisfactory formal sample (No. 44).              |
| Sample (No. 38) rag flock had excess of chlorides content.            | Followed by formal sample (No. 45).                             |
| Sample (No. 45) washed 50% wool flock had slight excess of chlorides. | Letter from Chief Public Health Inspector to the manufacturers. |

Prosecutions were taken in respect of two unsatisfactory samples of filling materials obtained in 1965 resulting in the manufacturers being fined a total of £15 plus £7 costs.

### MEASURES AGAINST RODENT AND INSECT PESTS

The number of requests for rodent control measures rose considerably during the year, and most of the increase was due to infestations of house mice. Many of these infestations presented more difficulty than usual in that prolonged treatment was necessary before the more serious cases were finally cleared.

Over 130 urgent requests were received to deal with rats indoors, but many of these proved to be mice when investigated. In one instance a tenant had been worried by noises behind a disused fireplace for several months and suspected rats, but a very feeble pigeon and 21 pigeon carcasses were eventually discovered lodged in the chimney.

There was a large increase in the number of dwellings infested with spider beetles. Although the source of the trouble may have been the roof space or a disused fireplace the adult stage being very active often penetrated throughout the house. They were sometimes difficult to eliminate, but were quite harmless although undesirable. Of mainly nocturnal habit they were often confused with bed bugs, and only after a specimen had been obtained for identification was it found possible to set tenants' fears at rest. The number of premises actually treated for bugs was the lowest for many years.

| <b>Rodent and<br/>Insect Control</b> | <b>1966</b>   | 1965   | 1964   | 1963   | 1962   | 1961   |
|--------------------------------------|---------------|--------|--------|--------|--------|--------|
| Properties surveyed ..               | <b>5,060</b>  | 4,834  | 5,209  | 4,864  | 4,867  | 6,241  |
| Infestations dealt with:             |               |        |        |        |        |        |
| rats .. ..                           | <b>1,744</b>  | 1,821  | 1,654  | 1,361  | 1,487  | 1,288  |
| mice .. ..                           | <b>917</b>    | 377    | 614    | 469    | 600    | 575    |
| insects .. ..                        | <b>846</b>    | 1,015  | 1,208  | 985    | 1,078  | 1,230  |
| Total visits .. ..                   | <b>12,394</b> | 13,852 | 15,326 | 13,928 | 14,400 | 13,650 |



Insects received by the pests officer for identification included the following:—

| <b>Beetles</b>        |    |    |                       |    |   |
|-----------------------|----|----|-----------------------|----|---|
| Abax parallelipedus   | .. | 2  | Pollenia rudis        | .. | 1 |
| Anobium punctatum     | .. | 5  | Psychoda cinerea      | .. | 1 |
| Attagenus pello       | .. | 6  | Sepsis fulgens        | .. | 1 |
| Carpophilus           | .. | 1  | <b>Larvae</b>         |    |   |
| Cryptophagus          | .. | 3  | Anthrenus             | .. | 1 |
| Dermestes lardarius   | .. | 2  | Attagenus pello       | .. | 2 |
| Enicmus minutus       | .. | 1  | Ceratitis capitata    | .. | 1 |
| Melolontha melolontha | .. | 1  | Drosophila            | .. | 1 |
| Niptus hololeucus     | .. | 5  | Endrosis sarcitrella  | .. | 1 |
| Ocypus olens          | .. | 3  | <b>Miscellaneous</b>  |    |   |
| Ptinus tectus         | .. | 35 | Andrena fulva         | .. | 2 |
| Stegobium paniceum    | .. | 3  | Andrena trimmerana    | .. | 5 |
| Tenebrio molitor      | .. | 8  | Bryobia praetiosa     | .. | 1 |
| <b>Flies</b>          |    |    | Chrysopa perla        | .. | 1 |
| Anisopus fenestralis  | .. | 1  | Ctenocephalides felis | .. | 3 |
| Dilophus febrilis     | .. | 2  | Endrosis sarcitrella  | .. | 1 |
| Drosophila            | .. | 1  | Leptosylla segnis     | .. | 1 |
|                       |    |    | Psocids               | .. | 3 |

## FACTORIES ACT

### PRESCRIBED PARTICULARS ON THE ADMINISTRATION OF THE FACTORIES ACT, 1961

#### PART I OF THE ACT.

1. **Inspections** for the purposes of provisions as to health (including inspections made by public health inspectors).

| Premises<br>(1)  | Number<br>on<br>register<br>(2) | Number of          |                           |                                |
|--|---------------------------------|--------------------|---------------------------|--------------------------------|
|  |                                 | Inspections<br>(3) | Written<br>notices<br>(4) | Occupiers<br>prosecuted<br>(5) |
| (i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities .. ..                     | 103                             | —                  | —                         | —                              |
| (ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority .. ..                     | 1,871                           | 34                 | 15                        | —                              |
| (iii) Other premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) .. .. | 4                               | —                  | —                         | —                              |
| TOTAL .. ..  | 1,978                           | 34                 | 15                        | —                              |



2. Cases in which **Defects** were found.

| Particulars<br>(1)  | Number of cases in which defects were found |                 |                          |                          | Number of cases in which prosecutions were instituted<br>(6) |
|---|---|-----------------|--------------------------|--------------------------|--|
|   | Found<br>(2)                                | Remedied<br>(3) | To H.M. Inspector<br>(4) | By H.M. Inspector<br>(5) |  |
| Want of cleanliness (S.1)   | 2   | 9               | —                        | —                        | —  |
| Ventilation (S.4) ..  | 2   | 1               | —                        | —                        | —  |
| Sanitary conveniences (S.7):  |   |                 |                          |                          |  |
| (a) Insufficient ..   | 1   | 2               | —                        | 1                        | —  |
| (b) Unsuitable or defective ..  | 8   | 15              | —                        | 9                        | —  |
| (c) Not separate for sexes ..   | —   | 1               | —                        | 1                        | —  |
| Other offences against the Act, (not including offences relating to outwork) .. | 17  | 11              | —                        | —                        | —  |
| <b>TOTAL</b> ..   | <b>30</b>                                   | <b>39</b>       | <b>—</b>                 | <b>11</b>                | <b>—</b>   |

PART VIII OF THE ACT  
OUTWORK

## SECTION 133.

| Nature of work                             | No. of out-workers in August list required by Section 133 (1) (c) |              |              |
|--|---|--------------|--------------|
|  | 1966  | 1965         | 1964         |
| Wearing apparel, making, cleaning etc.     | 946   | 1,080        | 822          |
| Lace, lace curtains and nets .. ..         | 663   | 607          | 569          |
| Nets other than wire nets .. ..            | 81  | 77           | 163          |
| Household linen .. ..                      | 76  | 83           | 60           |
| Carding, etc., of buttons, etc. .. ..      | —   | —            | —            |
| Paper bags .. ..                           | —   | —            | —            |
| Curtains and furniture hangings .. ..      | 1   | 1            | 1            |
| Making of boxes from cardboard, etc. .. .. | 1   | 1            | —            |
| Weaving of textile fabrics .. ..           | 1   | 4            | —            |
| <b>TOTAL</b> .. ..                         | <b>1,769</b>  | <b>1,853</b> | <b>1,615</b> |

## SECTION 134.

No instance of work in unwholesome premises was found; no notice was served, nor was any prosecution undertaken.

## INFORMAL NOTICES

|                        | 1966  | 1965  | 1964  | 1963  | 1962  |
|------------------------|-------|-------|-------|-------|-------|
| TOTAL NO. SERVED .. .. | 4,126 | 4,423 | 3,577 | 5,862 | —     |
| „ „ COMPLIED WITH ..   | 4,250 | 3,852 | 3,828 | 5,842 | 5,001 |

|                                       | Nuisances remedied |       |       |       |       |
|---------------------------------------|--------------------|-------|-------|-------|-------|
|                                       | 1966               | 1965  | 1964  | 1963  | 1962  |
| Additional water-closets—provision    | 14                 | 5     | —     | 1     | 28    |
| Closets—cleansing .. ..               | 20                 | 16    | 10    | 7     | 8     |
| Courts, yards and passages:—          |                    |       |       |       |       |
| paving .. ..                          | 41                 | 1     | 2     | 32    | —     |
| cleansing .. ..                       | 16                 | 6     | 4     | 2     | 12    |
| repair .. ..                          | 46                 | 98    | 110   | 151   | 158   |
| Drains—clearance .. ..                | 157                | 256   | 221   | 328   | 237   |
| repair .. ..                          | 167                | 253   | 184   | 211   | 153   |
| Dustbins—provision .. ..              | 451                | 491   | 634   | 647   | 695   |
| Factories with mechanical power ..    | 10                 | 16    | 24    | 51    | 65    |
| Factories without mechanical power .. | —                  | 5     | —     | 3     | 2     |
| Houses—filthy .. ..                   | 4                  | 8     | 11    | 23    | 20    |
| Houses in multiple occupation .. ..   | —                  | —     | 6     | 7     | 15    |
| Nuisance from—pigs .. ..              | —                  | —     | —     | —     | —     |
| fowls .. ..                           | 1                  | 1     | 2     | 1     | 3     |
| other animals .. ..                   | —                  | 1     | 2     | 6     | 6     |
| accumulation of refuse .. ..          | 116                | 91    | 119   | 128   | 88    |
| Panternpits—abolition .. ..           | —                  | 1     | —     | —     | —     |
| Tents, vans and sheds .. ..           | 4                  | 8     | —     | —     | 49    |
| Water-closets—clearance .. ..         | 36                 | 16    | 8     | 29    | 14    |
| repair .. ..                          | 577                | 724   | 1,072 | 2,509 | 1,343 |
| Workplaces .. ..                      | —                  | —     | 7     | 8     | 7     |
| Miscellaneous nuisances .. ..         | 160                | 157   | 58    | 55    | 36    |
| TOTAL .. ..                           | 1,820              | 2,154 | 2,474 | 4,199 | 2,939 |

|   | Housing defects remedied |       |       |       |       |
|---|--------------------------|-------|-------|-------|-------|
|   | 1966                     | 1965  | 1964  | 1963  | 1962  |
| Coppers .. ..                               | 4                        | —     | 2     | 6     | 5     |
| Fireplaces .. ..                            | 147                      | 72    | 113   | 209   | 131   |
| Floors and ceilings .. ..                   | 445                      | 304   | 337   | 518   | 519   |
| Rainwater conductors .. ..                  | 1,515                    | 966   | 631   | 802   | 956   |
| Roofs .. ..                                 | 1,184                    | 754   | 791   | 1,188 | 1,464 |
| Sinks—provision .. ..                       | 31                       | 20    | 10    | 13    | 21    |
| repair .. ..                                | 102                      | 30    | 85    | 169   | 90    |
| Walls .. ..                                 | 681                      | 409   | 543   | 789   | 772   |
| Water pipes and fittings .. ..              | 92                       | 4     | 57    | 241   | 47    |
| Windows .. ..                               | 486                      | 472   | 598   | 907   | 978   |
| Others .. ..                                | 509                      | 561   | 955   | 1,552 | 1,456 |
| TOTAL .. ..                                 | 5,196                    | 3,592 | 4,122 | 6,394 | 6,439 |
| Number of defective houses dealt with .. .. | 2,741                    | 1,801 | 1,807 | 2,786 | 2,622 |



## STATUTORY NOTICES

TOTAL NO. SERVED .. .. . 2,196

| Enactment   | Complied with |              |              |              |              |
|---|---------------|--------------|--------------|--------------|--------------|
|   | 1966          | 1965         | 1964         | 1963         | 1962         |
| <b>Public Health Act, 1936</b>  |               |              |              |              |              |
| Sect. 39 Drainage .. ..   | 374           | 299          | 217          | 416          | 370          |
| „ 44 Inadequate closet accom-<br>modation .. ..                                 | 9             | 11           | 10           | 13           | 9            |
| „ 45 Closets .. ..  | 8             | 7            | 1            | 21           | 22           |
| „ 56 Paving of courts, yards<br>and passages, dwelling-<br>houses .. ..         | 253           | 350          | 157          | 315          | 273          |
| „ 75 Dustbins .. ..   | 95            | 119          | 149          | 149          | 169          |
| „ 83 Dirty houses .. ..   | —             | 1            | 2            | —            | —            |
| „ 84 „ articles .. ..   | —             | 1            | 4            | —            | —            |
| „ 92 Houses .. ..   | 233           | 188          | 153          | 259          | 161          |
| „ 287 Notice of entry ..  | 7             | 2            | 5            | —            | —            |
| <b>Public Health Act, 1961</b>  |               |              |              |              |              |
| Sect. 17 Stopped-up drains ..   | 223           | 256          | 189          | 287          | 137          |
| <b>Nottingham Corporation Act,<br/>1923</b>                                     |               |              |              |              |              |
| Sect. 73. Repair of water-closets   | 139           | 167          | 173          | 501          | 158          |
| <b>Nottingham Corporation Act,<br/>1952</b>                                     |               |              |              |              |              |
| Sect. 72 Cleansing and repair of<br>drains, water-closets,<br>and soil pipes .. | —             | —            | —            | —            | 64           |
| „ 80 Repair of houses ..  | 2             | 6            | 3            | 9            | 12           |
| <b>Housing Act, 1957</b>  |               |              |              |              |              |
| Sect. 9 .. ..   | 488           | 346          | 378          | 569          | 540          |
| <b>TOTAL .. ..</b>  | <b>1,831</b>  | <b>1,753</b> | <b>1,441</b> | <b>2,539</b> | <b>1,915</b> |

Consequent upon the failure of owners to comply with statutory notices, the Corporation ordered work on private contractors and recovered expenses incurred in 352 cases as follows:—

| ACT  | 1966      | 1965      | 1964       | 1963       | 1962      |
|--|-----------|-----------|------------|------------|-----------|
|  | £ s. d.   | £ s. d.   | £ s. d.    | £ s. d.    | £ s. d.   |
| Nottingham Corporation<br>Act, 1923, Section 73 .. | 90 15 3   | 183 4 4   | 176 0 6    | 340 0 7    | 56 2 4    |
| Nottingham Corporation<br>Act, 1952, Section 72 .. | - - -     | - - -     | - - -      | - - -      | 88 7 11   |
| Nottingham Corporation<br>Act, 1952, Section 80 .. | 9 1 5     | 106 12 2  | 12 3 6     | 143 3 10   | 71 16 11  |
| Housing Act, 1957, Sec-<br>tions 9 and 10 ..       | 458 12 11 | 943 19 1  | 1,133 15 6 | 1,694 3 8  | 984 13 0  |
| Housing Act, 1961, Sec-<br>tion 14 ..              | - - -     | - - -     | 13 8 9     | - - -      | - - -     |
| Housing Act 1961, Sec-<br>tion 16 ..               | - - -     | - - -     | - - -      | 73 9 10    | - - -     |
| Public Health<br>Act, 1936—Section 39 ..           | 296 7 7   | 261 3 3   | 186 3 2    | 175 0 6    | 174 9 8   |
| „ „ „ 44 ..  | - - -     | 423 13 6  | 369 9 1    | 40 0 0     | 139 1 0   |
| „ „ „ 45 ..  | 64 19 11  | 107 3 2   | - - -      | 61 0 1     | 7 14 10   |
| „ „ „ 56 ..  | 308 12 7  | 689 16 5  | 287 18 1   | 603 16 4   | 248 12 0  |
| „ 1961—Section 17 ..                               | 289 11 6  | 368 8 7   | 50 11 2    | 330 15 1   | 100 9 0   |
|  | 1,518 1 2 | 3,084 0 6 | 2,229 9 9  | 3,461 9 11 | 1,871 6 8 |

The cost of new dustbins supplied by the Corporation where owners or occupiers had not complied with notices served and where steps were taken to recover this amount was £50 7s. 4d.



## HOUSING

During the year, 254 unfit houses in various parts of the city were demolished, making a total of 3,249 dealt with since 1955.

At the end of March an inspector from the Ministry of Housing and Local Government held a Public Inquiry in connection with the Nottingham (Austin Street) Clearance Compulsory Purchase Order 1965 which included 167 unfit houses. The order was confirmed later in the year. A further Public Inquiry was held in September in respect of the Nottingham (Highbury Road) Clearance Compulsory Purchase Order 1965 which involved 311 unfit houses, and the Minister's decision is awaited.

An order was submitted to the Minister for confirmation which included 251 unfit houses in Denman Street which will allow an extension of the present redevelopment which is taking place in Radford.

Confirmation was received from the Minister of the 29 clearance compulsory purchase orders and seven clearance orders affecting a total of 378 unfit houses which were the subject of a Public Inquiry in November of last year.

The detailed survey of the houses in the St. Ann's Well Road area which was commenced last year continued in accordance with the slum clearance programme by the inspection of houses in the second and third phases, and 753 unfit houses were represented. In addition, a survey was carried out in the Dawson Street area off Carlton Road requiring 201 houses to be represented and a further nine houses in Porchester Road were also represented as being unfit for human habitation.

Although it was still not possible to take effective action to deal with the unsatisfactory conditions which occur with the multiple

occupation of houses, steps were taken to deal with some of the more urgent cases, as a result of which four very unsatisfactory houses in multiple occupation were closed.

An inspection of 162 pre-war houses was carried out on behalf of the City Estates Surveyor to find out the extent of disrepair before consideration was given to applications for Corporation loans towards the purchase of the property.

As in recent years, few tenants applied for certificates of disrepair under the provisions of the Rent Act 1957.

| Certificates of Disrepair  | 1966 | 1965 | 1964 | 1963 |
|--|------|------|------|------|
| Rent Act, 1957:  |      |      |      |      |
| Part I. Applications for Certificates of Disrepair:              |      |      |      |      |
| 1. No. of applications for certificates ..                       | 6    | 3    | 8    | 4    |
| 2. „ „ decisions not to issue certificates ..                    | 1    | —    | 1    | —    |
| 3. „ „ „ to issue certificates:                                  |      |      |      |      |
| (a) in respect of some but not all defects ..                    | 3    | 2    | 2    | 1    |
| (b) „ „ „ all defects ..   | 2    | 1    | 5    | 3    |
| 4. No. of undertakings given by landlords                        | 2    | 2    | 5    | 4    |
| 5. „ „ „ refused ..  | —    | —    | —    | —    |
| 6. „ „ certificates issued ..                                    | 3    | 2    | 1    | 3    |
| Part II. Applications for cancellation of Certificates:          |      |      |      |      |
| 7. Applications by landlords for cancellation of certificates .. | 3    | 3    | 4    | 2    |
| 8. Objections by tenants to cancellation of certificates ..      | —    | —    | —    | 1    |
| 9. Decision to cancel in spite of tenant's objection ..          | —    | —    | —    | 1    |
| 10. Certificates cancelled by local authority ..                 | 3    | 3    | 4    | 2    |



|  | 1966  | 1965  | 1964  | 1963   | 1962   |
|--|-------|-------|-------|--------|--------|
| <b>INSPECTION OF DWELLING-HOUSES</b>   |       |       |       |        |        |
| Dwelling-houses inspected for housing defects under the Public Health or Housing Acts ..   | 4,126 | 4,423 | 3,577 | 5,862  | 5,264  |
| Inspections made for the purpose ..  | 9,065 | 7,735 | 8,635 | 11,865 | 11,346 |
| Dwelling-houses — included under sub-head above—which were inspected and recorded under the Housing Consolidated Regulations 1925 and 1938 ..      | 1,705 | 1,628 | 352   | 575    | 601    |
| Inspections made for the purpose ..  | 3,879 | 3,929 | 1,256 | 2,154  | 2,823  |
| Dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ..                                  | 967   | 1,324 | 25    | 6      | 427    |
| Dwelling-houses—exclusive of those referred to under the preceding sub-head—found not to be in all respects reasonably fit for human habitation .. | 2,501 | 2,218 | 1,925 | 2,779  | 2,754  |
| <b>INFORMAL ACTION</b>   |       |       |       |        |        |
| Defective dwelling-houses rendered fit in consequence of informal notices by the Local Authority or their officers ..                              | 2,054 | 1,432 | 1,643 | 2,217  | 3,571  |
| <b>ACTION UNDER STATUTORY POWERS</b>   |       |       |       |        |        |
| <b>1. Proceedings under Sect. 9, 10 and 12 of the Housing Act, 1957.</b>   |       |       |       |        |        |
| Dwelling-houses in respect of which notices were served requiring repairs ..   | 505   | 369   | 352   | 569    | 594    |
| Dwelling-houses in which defects were remedied after service of formal notices:—   |       |       |       |        |        |
| 1. By owners ..  | 432   | 296   | 332   | 474    | 476    |
| 2. By Local Authority in default of owners ..  | 56    | 62    | 46    | 95     | 64     |

|  | 1966 | 1965 | 1964 | 1963 | 1962 |
|--|------|------|------|------|------|
| <b>2. Proceedings under the Public Health Acts.</b>  |      |      |      |      |      |
| Dwelling-houses in respect of which notices were served requiring defects to be remedied .. .. . | 834  | 990  | 513  | 858  | 972  |
| Dwelling-houses in which defects were remedied after service of formal notices:—                 |      |      |      |      |      |
| 1. By owners .. .. .   | 666  | 361  | 527  | 681  | 594  |
| 2. By Local Authority in default of owners .. .. .   | 194  | 263  | 144  | 239  | 210  |
| <b>3. Proceedings under Sect. 17 of the Housing Act, 1957.</b>                                   |      |      |      |      |      |
| Dwelling-houses in respect of which demolition orders were made .. .. .                          | 4    | —    | 3    | 3    | 7    |
| Dwelling-houses demolished in pursuance of demolition orders                                     | 2    | 2    | 13   | 1    | 1    |
| Closing Orders made .. .. .  | —    | 2    | 1    | 2    | —    |

#### NUMBER OF INSPECTIONS OF HOUSES UNDER THE PUBLIC HEALTH AND HOUSING ACTS

|                 | 1966          | 1965          | 1964          | 1963          | 1962          |
|-----------------|---------------|---------------|---------------|---------------|---------------|
| First visits .. | 9,065         | 9,462         | 10,281        | 12,865        | 12,596        |
| Re-visits ..    | 8,946         | 9,356         | 7,499         | 12,606        | 11,780        |
| <b>TOTAL ..</b> | <b>18,011</b> | <b>18,818</b> | <b>17,780</b> | <b>25,471</b> | <b>24,376</b> |



## ATMOSPHERIC POLLUTION

Emissions of dark smoke from chimneys are regulated by the Dark Smoke (Permitted Periods) Regulations, 1958, made under the Clean Air Act, 1956. Details of action taken to remedy smoke nuisance are as follows:—

|   | 1966 | 1965 | 1964 | 1963 | 1962 | 1961 | 1960 |
|---|------|------|------|------|------|------|------|
| Advisory visits including verbal cautions ..                              | 102  | 145  | 130  | 112  | 124  | 140  | 188  |
| Statutory notices served ..   | 1    | 3    | —    | 3    | 2    | 4    | 8    |
| Complaints investigated ..  | 98   | 113  | 125  | 132  | 138  | 145  | 143  |
| Cases where work was executed for smoke and/or grit nuisance abatement .. | 35   | 28   | 25   | 20   | 22   | 20   | 27   |

### Nature of work carried out by owners

|  | 1966 | 1965 | 1964 | 1963 | 1962 | 1961 | 1960 |
|--|------|------|------|------|------|------|------|
| Chimney stacks erected or extended ..                | 8    | 12   | 5    | 4    | 5    | 6    | 5    |
| Chimney stacks dismantled ..                         | 1    | 4    | 5    | 5    | —    | —    | 3    |
| Boilers converted from hand to mechanical stoking .. | 1    | 4    | 1    | 4    | 4    | 4    | 6    |
| Mechanical stokers overhauled or renewed ..          | 8    | 6    | 5    | 3    | 6    | 14   | 11   |
| New boilers installed ..                             | 18   | 20   | 11   | 8    | 14   | 21   | 11   |
| Grit arresting apparatus installed ..                | —    | 12   | 1    | —    | 1    | 1    | 3    |
| Conversion from coal to oil fuel or gas ..           | 4    | 3    | 13   | 5    | 3    | 7    | 6    |
| Miscellaneous ..                                     | 4    | 1    | 1    | 1    | 3    | 6    | 7    |

## MEASUREMENT OF ATMOSPHERIC POLLUTION

Seven stations continued in operation. Each was equipped for measurement of deposited solids from the atmosphere and of sulphur content of the air, as well as for daily determination of smoke or suspended matter and sulphur dioxide by volumetric apparatus.

| Deposited Solid Matter<br>in Tons per Square Mile |         | Lead Peroxide |             | Microgrammes per Cubic Metre of Air |                      |                             |                      |
|---|---------|---------------|-------------|-------------------------------------|----------------------|-----------------------------|----------------------|
|   |         |               |             | Smoke                               |                      | Sulphur Dioxide             |                      |
|   |         |               |             | Average Daily Concentration         |                      | Average Daily Concentration |                      |
|   |         |               |             | During year                         | During maximum month | During year                 | During maximum month |
| Basford ..  | 229.29  | 27.27 : May   | 1.90 : Nov. | 147                                 | 272 : Jan.           | 165                         | 238 : Jan.           |
| Bulwell ..  | 187.22  | 22.47 : Mar.  | 2.05 : "    | 119                                 | 227 : Nov.           | 116                         | 189 : "              |
| City Centre                                       | 163.05† | 20.83 : Feb.  | 4.05 : Dec. | 108                                 | 218 : Jan.           | 146                         | 223 : "              |
| Clifton ..  | 145.41  | 16.56 : Sep.  | 1.68 : Nov. | 44                                  | 103 : "              | 98                          | 166 : "              |
| Mapperley ..                                      | 124.45  | 14.37 : Feb.  | 1.77 : "    | 78                                  | 156 : Nov.           | 111                         | 177 : Dec.           |
| Meadows ..  | 177.17  | 25.64 : July  | 4.29 : "    | 108                                 | 234 : "              | 133                         | 220 : Nov.           |
| Wollaton ..                                       | 109.69  | 12.49 : Nov.  | 2.10 : Dec. | 65                                  | 148 : "              | 83                          | 127 : "              |
| Av. for City                                      | 162.33  | —             | —           | 96                                  | —                    | 122                         | —                    |

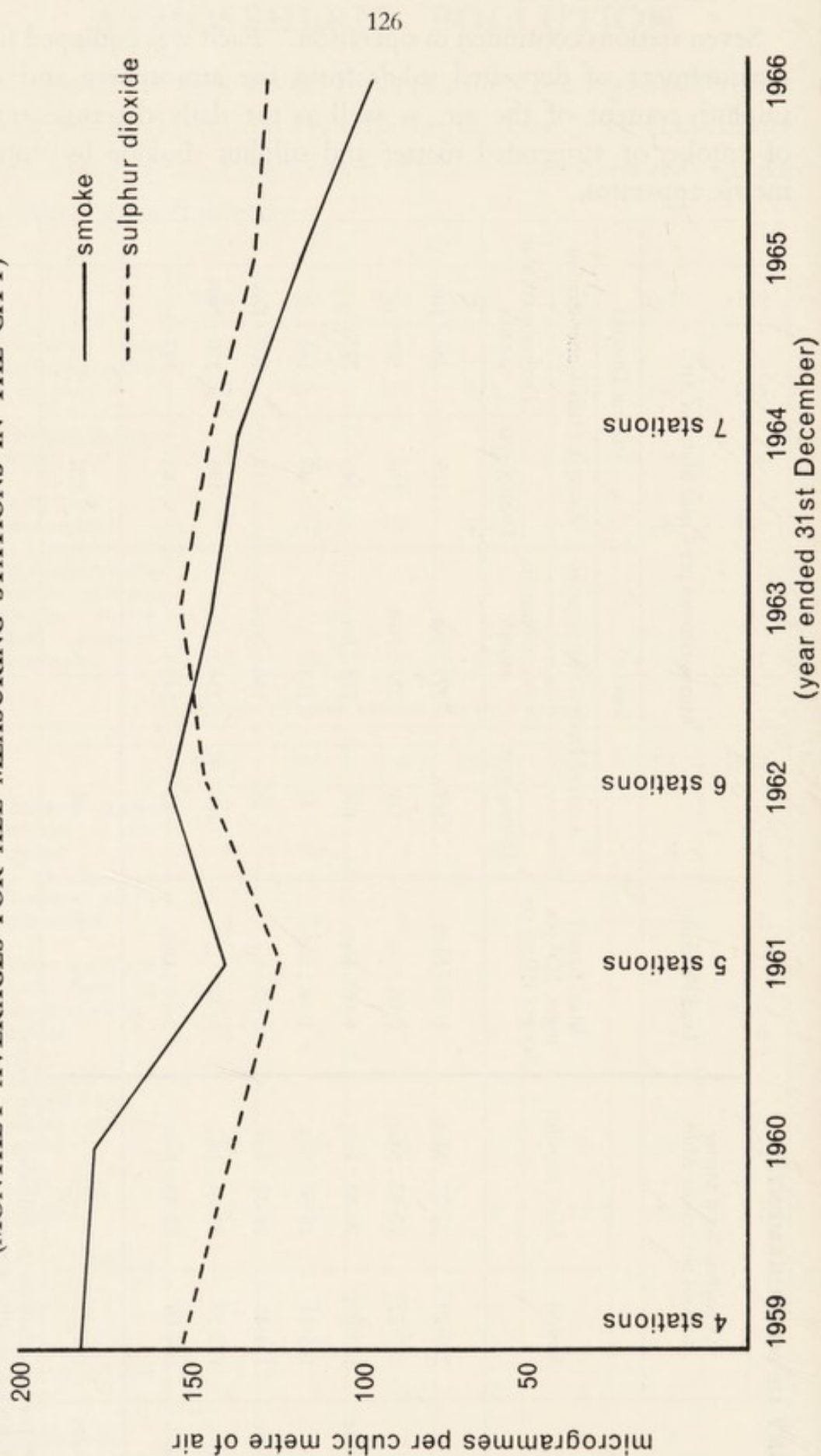
\* For full details see the following four pages.

† Eleven months' deposit.



# ATMOSPHERIC POLLUTION 1959-1966

(MONTHLY AVERAGES FOR ALL MEASURING STATIONS IN THE CITY)



## MEASUREMENT OF ATMOSPHERIC POLLUTION

## DEPOSIT GAUGES

Deposited solid matter in tons per square mile per month.

|            | Basford        |              |        | Bulwell        |              |        | City Centre    |              |        | Clifton        |              |        | Mapperley      |              |        | Meadows        |              |        | Wollaton       |              |        |
|------------|----------------|--------------|--------|----------------|--------------|--------|----------------|--------------|--------|----------------|--------------|--------|----------------|--------------|--------|----------------|--------------|--------|----------------|--------------|--------|
|            | Insol-<br>uble | Sol-<br>uble | Total  | Insol-<br>uble | Sol-<br>uble | Total  | Insol-<br>uble | Sol-<br>uble | Total  | Insol-<br>uble | Sol-<br>uble | Total  | Insol-<br>uble | Sol-<br>uble | Total  | Insol-<br>uble | Sol-<br>uble | Total  | Insol-<br>uble | Sol-<br>uble | Total  |
| January .. | 8.41           | 3.93         | 12.34  | 5.81           | 3.72         | 9.53   | 12.26          | 4.38         | 16.64  | 9.28           | 3.18         | 12.46  | 7.47           | 3.26         | 10.73  | 6.99           | 3.80         | 10.79  | 2.12           | 2.57         | 4.69   |
| February   | 14.06          | 4.26         | 18.32  | 14.66          | 5.00         | 19.66  | 16.65          | 4.18         | 20.83  | 9.84           | 2.70         | 12.54  | 11.67          | 2.70         | 14.37  | 14.02          | 4.43         | 18.45  | 8.34           | 2.52         | 10.86  |
| March ..   | 9.35           | 4.03         | 13.38  | 17.63          | 4.84         | 22.47  | 9.15           | 5.02         | 14.17  | 9.07           | 2.70         | 11.77  | 5.93           | 3.77         | 9.70   | 6.88           | 5.55         | 12.39  | 5.61           | 2.47         | 8.08   |
| April ..   | 10.04          | 7.93         | 17.97  | 8.53           | 8.15         | 16.68  | 5.78           | 6.68         | 12.46  | 3.39           | 4.69         | 8.08   | 7.98           | 4.00         | 11.98  | 8.56           | 7.25         | 15.79  | 1.55           | 5.48         | 7.03   |
| May ..     | 22.20          | 5.07         | 27.27  | 15.59          | 3.85         | 19.44  | 13.34          | 4.31         | 17.65  | 7.90           | 2.57         | 10.47  | 8.46           | 2.80         | 11.26  | 10.27          | 5.10         | 15.37  | 8.71           | 2.57         | 11.28  |
| June ..    | 14.26          | 3.92         | 18.18  | 16.92          | 3.69         | 20.61  | 10.68          | 4.53         | 15.21  | 9.17           | 3.41         | 12.58  | 11.03          | 2.90         | 13.93  | 12.20          | 4.36         | 16.56  | 7.26           | 2.80         | 10.06  |
| July ..    | 12.13          | 3.82         | 15.95  | 10.43          | 3.46         | 13.89  | 7.04           | 3.49         | 10.53  | 14.42          | 2.78         | 17.20  | 6.22           | 2.09         | 8.31   | 21.92          | 3.72         | 25.64  | 6.86           | 2.42         | 9.28   |
| August ..  | 15.38          | 4.41         | 19.79  | 8.97           | 4.43         | 13.40  | 6.16           | 4.66         | 10.82  | 7.39           | 3.23         | 10.62  | 8.15           | 3.44         | 11.59  | 7.01           | 4.20         | 11.21  | 4.10           | 3.59         | 7.69   |
| September  | 16.54          | 3.34         | 19.88  | 7.82           | 3.41         | 11.23  | —              | —            | —      | 13.63          | 2.93         | 16.56  | 5.35           | 2.39         | 7.74   | 7.29           | 3.39         | 10.68  | 4.38           | 2.12         | 6.50   |
| October    | 11.82          | 7.52         | 19.34  | 5.65           | 6.50         | 12.15  | 6.19           | 6.34         | 12.53  | 8.33           | 4.99         | 13.32  | 3.49           | 4.43         | 7.92   | 6.98           | 7.69         | 14.67  | 5.83           | 5.86         | 11.69  |
| November   | 19.90          | 6.73         | 26.63  | 9.07           | 6.99         | 16.06  | 11.98          | 7.47         | 19.45  | 7.55           | 4.38         | 11.93  | 5.30           | 4.10         | 9.40   | 6.86           | 6.14         | 13.00  | 6.07           | 6.42         | 12.49  |
| December   | 14.30          | 5.94         | 20.24  | 5.81           | 6.29         | 12.10  | 6.19           | 6.57         | 12.76  | 3.75           | 4.13         | 7.88   | 3.49           | 4.03         | 7.52   | 6.68           | 5.94         | 12.62  | 5.12           | 4.92         | 10.04  |
| TOTAL ..   | 168.39         | 60.90        | 229.29 | 126.89         | 60.33        | 187.22 | 105.42         | 57.63        | 163.05 | 103.72         | 41.69        | 145.41 | 84.54          | 39.91        | 124.45 | 115.66         | 61.51        | 177.17 | 65.95          | 43.74        | 109.69 |



## ATMOSPHERIC SULPHUR

Expressed as milligrammes of Sulphate per day per 100 sq. cm. of lead peroxide

|             | Basford | Bulwell | City Centre | Clifton | Mapperley | Meadows | Wollaton |
|-------------|---------|---------|-------------|---------|-----------|---------|----------|
| January ..  | 1.14    | 1.90    | 3.63        | 1.37    | 1.35      | 3.32    | 1.34     |
| February .. | 1.38    | 1.68    | 2.46        | 1.37    | 1.46      | 3.51    | 1.11     |
| March ..    | 1.21    | 1.18    | 2.95        | 1.18    | 1.35      | 3.24    | 1.00     |
| April ..    | 0.70    | 1.03    | 2.04        | 0.80    | 0.71      | 2.54    | 0.71     |
| May ..      | 0.82    | 0.89    | 1.79        | 0.69    | 0.65      | 2.03    | 0.43     |
| June ..     | 0.65    | 0.83    | 1.33        | 0.64    | 0.45      | 1.77    | 0.44     |
| July ..     | 0.55    | 0.60    | 1.30        | 0.71    | 0.36      | 1.73    | 0.40     |
| August ..   | 0.48    | 0.67    | 1.18        | 0.63    | 0.45      | 1.52    | 0.54     |
| September   | 0.45    | 0.89    | 1.64        | 0.78    | 0.58      | 2.28    | 0.49     |
| October ..  | 1.06    | 1.17    | 2.96        | 1.05    | 0.74      | 2.59    | 0.63     |
| November .. | 1.90    | 2.05    | 3.82        | 1.68    | 1.77      | 4.29    | 1.44     |
| December .. | 1.55    | 1.27    | 4.05        | 1.16    | 1.43      | 3.08    | 2.10     |

Concentration of smoke expressed as microgrammes per cubic metre of air

| Concentration of smoke expressed as microgrammes per cubic metre of air |         |     |     |         |     |     |             |     |     |         |     |     |           |     |     |         |     |     |          |     |     |
|---|---------|-----|-----|---------|-----|-----|-------------|-----|-----|---------|-----|-----|-----------|-----|-----|---------|-----|-----|----------|-----|-----|
| MONTH   | BASFORD |     |     | BULWELL |     |     | CITY CENTRE |     |     | CLIFTON |     |     | MAPPERLEY |     |     | MEADOWS |     |     | WOLLATON |     |     |
|   | High    | Low | Av. | High    | Low | Av. | High        | Low | Av. | High    | Low | Av. | High      | Low | Av. | High    | Low | Av. | High     | Low | Av. |
| JAN. ..   | 1,105   | 115 | 272 | 650     | 67  | 224 | 889         | 64  | 218 | 409     | 19  | 103 | 507       | 24  | 138 | 764     | 33  | 184 | 650      | 24  | 135 |
| FEB. ..   | 430     | 79  | 171 | 564     | 61  | 140 | 245         | 44  | 124 | 96      | 10  | 32  | 238       | 33  | 84  | 219     | 22  | 103 | 200      | 12  | 62  |
| MARCH ..  | 288     | 75  | 197 | 270     | 55  | 141 | 277         | 29  | 119 | 157     | 12  | 47  | 151       | 31  | 78  | 286     | 29  | 140 | 168      | 16  | 60  |
| APRIL ..  | 248     | 60  | 135 | 218     | 21  | 90  | 229         | 37  | 108 | 86      | 11  | 28  | 166       | 27  | 59  | 214     | 17  | 94  | 132      | 16  | 55  |
| MAY ..  | 151     | 51  | 96  | 110     | 33  | 62  | 148         | 18  | 52  | 56      | 6   | 21  | 110       | 33  | 62  | 159     | 27  | 61  | 69       | 7   | 24  |
| JUNE ..   | 113     | 19  | 41  | 95      | 9   | 34  | 105         | 14  | 33  | 57      | 5   | 16  | 99        | 15  | 27  | 77      | 15  | 34  | 77       | 7   | 17  |
| JULY ..   | 61      | 3   | 30  | 59      | 4   | 23  | 57          | 3   | 21  | 57      | 7   | 18  | 51        | 8   | 22  | 83      | 15  | 37  | 76       | 7   | 21  |
| AUGUST  | 161     | 16  | 62  | 139     | 17  | 46  | 83          | 15  | 40  | 50      | 3   | 18  | 87        | 10  | 29  | 112     | 14  | 43  | 64       | 7   | 25  |
| SEPT. ..  | 363     | 31  | 105 | 304     | 24  | 97  | 273         | 10  | 87  | 101     | 3   | 35  | 202       | 15  | 62  | 178     | 22  | 79  | 233      | 3   | 64  |
| OCTOBER   | 532     | 41  | 209 | 436     | 42  | 185 | 363         | 43  | 156 | 225     | 11  | 69  | 371       | 20  | 107 | 298     | 16  | 133 | 314      | 15  | 104 |
| NOV. ..   | 643     | 61  | 259 | 556     | 44  | 227 | 504         | 74  | 208 | 348     | 11  | 93  | 503       | 19  | 156 | 528     | 66  | 234 | 474      | 30  | 148 |
| DEC. ..   | 401     | 15  | 182 | 442     | 42  | 161 | 450         | 21  | 134 | 226     | 7   | 50  | 269       | 33  | 111 | 408     | 29  | 156 | 334      | 3   | 65  |
| AVERAGES  | 375     | 47  | 147 | 320     | 35  | 119 | 302         | 31  | 108 | 156     | 9   | 44  | 229       | 22  | 78  | 277     | 25  | 108 | 233      | 12  | 65  |



| Concentration of sulphur dioxide expressed as microgrammes per cubic metre of air |         |     |     |         |     |     |             |     |     |         |     |     |           |     |     |         |     |     |          |     |     |
|---|---------|-----|-----|---------|-----|-----|-------------|-----|-----|---------|-----|-----|-----------|-----|-----|---------|-----|-----|----------|-----|-----|
| MONTH   | BASFORD |     |     | BULWELL |     |     | CITY CENTRE |     |     | CLIFTON |     |     | MAPPERLEY |     |     | MEADOWS |     |     | WOLLATON |     |     |
|   | High    | Low | Av. | High    | Low | Av. | High        | Low | Av. | High    | Low | Av. | High      | Low | Av. | High    | Low | Av. | High     | Low | Av. |
| JAN. ..   | 490     | 77  | 238 | 395     | 54  | 189 | 536         | 63  | 223 | 392     | 65  | 166 | 484       | 57  | 150 | 452     | 72  | 196 | 288      | 52  | 103 |
| FEB. ..   | 354     | 85  | 181 | 253     | 68  | 127 | 270         | 94  | 159 | 189     | 43  | 91  | 232       | 37  | 116 | 195     | 38  | 120 | 160      | 25  | 95  |
| MARCH ..  | 295     | 34  | 178 | 216     | 57  | 115 | 272         | 77  | 155 | 246     | 33  | 114 | 249       | 50  | 127 | 247     | 42  | 147 | 155      | 33  | 90  |
| APRIL ..  | 324     | 60  | 149 | 181     | 27  | 88  | 216         | 50  | 122 | 144     | 19  | 69  | 181       | 29  | 79  | 226     | 59  | 109 | 164      | 33  | 65  |
| MAY ..  | 348     | 80  | 60  | 186     | 33  | 89  | 153         | 65  | 107 | 204     | 38  | 73  | 186       | 33  | 89  | 136     | 46  | 85  | 118      | 25  | 57  |
| JUNE ..   | 289     | 59  | 134 | 131     | 49  | 84  | 185         | 57  | 114 | 129     | 36  | 74  | 149       | 52  | 79  | 187     | 52  | 93  | 136      | 39  | 73  |
| JULY ..   | 270     | 29  | 91  | 146     | 24  | 75  | 263         | 51  | 90  | 182     | 33  | 76  | 108       | 25  | 67  | 133     | 52  | 80  | 111      | 28  | 58  |
| AUGUST  | 189     | 37  | 97  | 125     | 36  | 73  | 170         | 27  | 81  | 168     | 18  | 68  | 131       | 26  | 68  | 213     | 42  | 86  | 127      | 25  | 54  |
| SEPT. ..  | 295     | 62  | 151 | 218     | 33  | 110 | 232         | 49  | 129 | 168     | 35  | 92  | 226       | 39  | 110 | 200     | 33  | 118 | 193      | 21  | 88  |
| OCTOBER   | 275     | 58  | 159 | 202     | 63  | 130 | 288         | 75  | 153 | 231     | 25  | 100 | 200       | 32  | 108 | 304     | 27  | 135 | 149      | 26  | 79  |
| Nov. ..   | 439     | 84  | 224 | 297     | 87  | 163 | 494         | 102 | 205 | 334     | 71  | 120 | 489       | 56  | 167 | 396     | 119 | 220 | 319      | 50  | 127 |
| DEC. ..   | 414     | 113 | 219 | 427     | 67  | 149 | 528         | 82  | 214 | 303     | 63  | 130 | 400       | 98  | 177 | 428     | 130 | 208 | 382      | 54  | 106 |
| AVERAGES  | 332     | 65  | 165 | 231     | 50  | 116 | 300         | 66  | 146 | 224     | 40  | 98  | 253       | 44  | 111 | 260     | 59  | 133 | 192      | 34  | 83  |

### **APPROVAL OF FURNACE INSTALLATIONS**

The provisions of Section 3 of the Clean Air Act, 1956, make it an offence to install a furnace in a building or in any boiler or industrial plant attached to a building, etc., unless it is, so far as practicable, capable of being operated continuously without emitting smoke when burning fuel of a type for which the furnace was designed.

In 28 cases notices of proposals to install were received.

All plans and specifications submitted under Building Regulations to the City Engineer's Department were examined and advice given on proposed fuel-burning installations where necessary.

### **SMOKE CONTROL AREAS**

The Nottingham (No. 5) Smoke Control Order was made by the City Council in June and was confirmed by the Minister of Housing and Local Government in October to come into operation on the 1st June 1968. The Order affects an area of 1,569 acres in Wollaton and Bilborough, comprising 7,628 premises. Works of adaptation to fireplaces have commenced.

In July the City Council made the Nottingham (No. 8a) Smoke Control Order and at the end of the year the Minister's confirmation was awaited. It is anticipated that the Order will come into operation during 1967. The area affected is 357 acres of land to the north of the city, part of which is known as the Rise Park Estate where private housing development is taking place. It is expected that eventually the estate will comprise 1,200 houses.

A survey of the Broxtowe district of the city continued with the intention of including this area in a future smoke control order,



## FOOD SUPERVISION AND INSPECTION

### FOOD HYGIENE

The need for continuous surveillance of food premises has always been accepted but it was a source of disappointment that occasions arose in some nationally controlled firms indicating a lack of effective supervision in their local shops. In an effort to improve this position, approaches were made to several such firms, emphasising to the upper management their responsibilities under the Food Hygiene Regulations.

The obvious success with which one locally controlled management accepted their responsibility in the case of a large number of food shops controlled by them in the city, confirmed that good food hygiene is also good business.

The close liaison with the Licensing Justices Plans Sub-Committee continued, and the positive degree of control exercised on licensed premises as a result of this co-operation confirmed that similar licensing, or registration, of all food premises could quickly improve many of the existing premises and practices that are still encountered.

As a result of the continuing co-operation with the Clerk of the Markets, it was possible to achieve a reasonable standard of food hygiene at Goose Fair.

Preliminary talks took place with the trade and other interested persons in connection with the Food Hygiene (Markets Stalls and Delivery Vehicles) Regulations, 1966, which come into operation on the 1st January, 1967. It is hoped that more effective control over street traders, including hot dog vendors, will then be possible. The most dramatic control over such persons and others could, however, be exercised by members of the general public,

if people refused to buy food from any stall whether in the street, market, or at Goose Fair, if they suspected that it was not being sold under hygienic conditions.

In the course of 3,113 visits to various food premises, it was necessary on 150 occasions to draw attention to defects and contraventions of the Food Hygiene (General) Regulations 1960. Requirements, including those outstanding from 1965, were met in 178 cases.

| Food Premises Supervised   | 1966         | 1965         | 1964         | 1963         | 1962         |
|--|--------------|--------------|--------------|--------------|--------------|
| Grocers and provision dealers including off-licence premises ..  | 1,122        | 1,196        | 1,159        | 1,215        | 1,176        |
| Hotels, public-houses and clubs ..                               | 521          | 495          | 491          | 468          | 435          |
| Sweet shops .. ..  | 410          | 410          | 403          | 412          | 403          |
| Butchers and meat products manufacturers .. ..                   | 374          | 376          | 356          | 367          | 363          |
| Fruit and vegetable dealers ..                                   | 329          | 333          | 337          | 349          | 355          |
| Factory canteens, etc. ..  | 235          | 256          | 230          | 222          | 246          |
| Restaurants, snack-bars, etc. ..                                 | 259          | 247          | 241          | 233          | 226          |
| Food-stalls in markets:  |              |              |              |              |              |
| Wholesale .. ..  | 75           | 42           | 49           | 42           | 42           |
| Retail .. ..   | 126          | 146          | 120          | 107          | 108          |
| Fried fish and chip shops ..                                     | 138          | 139          | 135          | 145          | 135          |
| Bread, pastry and confectionery dealers, including bakehouses .. | 126          | 122          | 122          | 124          | 120          |
| Wet fish, poultry, game, etc., dealers .. ..                     | 53           | 56           | 57           | 63           | 71           |
| School kitchens .. ..  | 131          | 129          | 131          | 64           | 65           |
| Wholesale food dealers .. ..                                     | 69           | 61           | 55           | 51           | 47           |
| Mobile food shops .. ..  | 25           | 27           | 30           | 41           | 43           |
| Self-service stores (other than supermarkets) .. ..              | 19           | 21           | 22           | 26           | 28           |
| Supermarkets .. ..   | 40           | 37           | 26           | 19           | 17           |
| Ice-cream manufacturers ..                                       | 14           | 14           | 13           | 16           | 10           |
| Dairies .. ..  | 3            | 4            | 5            | 5            | 5            |
| Miscellaneous .. ..  | 55           | 58           | 60           | 66           | 63           |
| <b>TOTAL .. ..</b>   | <b>4,124</b> | <b>4,169</b> | <b>4,042</b> | <b>4,035</b> | <b>3,958</b> |

| Premises registered under Sect. 16, Food and Drugs Act, 1955 |   |    |    |    |            |
|--|---|----|----|----|------------|
| Premises used for the—                                       | sale of ice-cream ..  | .. | .. | .. | 574        |
|  | manufacture of ice-cream ..   | .. | .. | .. | 14         |
|  | preparation or manufacture of sausages or potted, pressed, pickled or preserved food .. | .. | .. | .. | 337        |
| <b>TOTAL .. ..</b>   | ..  | .. | .. | .. | <b>925</b> |



The number of inspections of registered premises was 1,606.

Legal proceedings were instituted for offences against the Food Hygiene (General) Regulations 1960, in the following cases:—

- |  |  |
|--|--|
| (a) Failure to keep the premises and equipment clean at a cafe and fish bar.                                   | Owner convicted on five charges and fined a total of £100 plus £2 2s. 0d. costs.               |
| (b) Failure to protect plucked chickens from a risk of contamination on a barrow.                              | Owner fined a total of £30 plus £2 2s. 0d. costs.  |
| (c) Failure to maintain the premises and equipment clean at a supermarket.                                     | Owners convicted on 21 charges and fined a total of £735 plus £15 15s. 0d. costs.              |
| (d) Failure to keep premises used for the storage of "hot dog" vehicles clean.                                 | Owner fined a total of £65 plus £2 2s. 0d. costs.  |
| (e) Failure to maintain "hot dog" stalls in a satisfactory state of cleanliness.                               | Owner fined a total of £15 10s. 0d.  |
| (f) Failure to keep a "hot dog" stall clean.   | Employee fined £2.   |
| (g) Failure to maintain a "hot dog" stall in a satisfactory state of cleanliness.                              | Owner fined a total of £12 plus £2 2s. 0d. costs.  |
| (h) Obstructing an Inspector from carrying out an inspection of a grocery shop.                                | Owner fined £3 plus £2 2s. 0d. costs.  |
| (i) Failure to maintain the premises and equipment in a satisfactory state of cleanliness at a butcher's shop. | Two partners were convicted on 13 charges and each fined a total of £65 plus £4 4s. 0d. costs. |

At the end of the year legal proceedings were pending in four further cases.

**Foreign Matter in Food.** All complaints received of mould and foreign matter in food were thoroughly investigated at the place of sale or manufacture to ensure that appropriate action was taken to prevent recurrence.

The food affected was as follows:—

flies in a bottle of sherry  
metal in tins of corned beef—two cases  
fly in gateau  
nail in a meringue  
wire in a loaf of bread  
insects in dried milk  
salt mixed with sugar  
metal staple in a meat pie  
mould on a sausage roll  
mould on a cake  
felt in a bread roll  
string in a tin of beans  
slug in frozen peas  
snail in a jar of jam  
fly in a loaf of bread  
glass in a bottle of milk  
glass in a tin of tomatoes  
wire in a fruit loaf  
wood in a biscuit  
finger nail in a fruit tart  
metal nut in chewing gum  
mould on potato crisps  
metal washer in a sweet

A successful prosecution was taken in one case and legal proceedings were pending in two further cases at the end of the year. In four cases it was decided to take no further action, and in the remaining 17 warning letters were sent to the offenders by the Town Clerk on behalf of the Health Committee.

#### **SHELL FISH**

Shell fish from various sources were received at the Sneinton Wholesale Market. The total weight found to be unfit for human consumption was 5 tons 13 cwts.

Samples of mussels were taken during the year from layings in England, Wales and Ireland. A total of 74 samples was submitted for bacteriological examination and all were reported to be satisfactory. In addition, one sample of English whelks, one sample of English winkles and one sample of American shrimps were examined and all were found to be satisfactory.



### THE MEAT SUPPLY

The Corporation-owned Public Slaughter House was the only building used for the slaughter of animals, the flesh of which was intended for human consumption.

The carcasses and offals of all animals slaughtered were inspected in accordance with the Meat Inspection Regulations 1963 and all meat passed as fit for human consumption was duly stamped. On 1st October the part of the Regulations which had been deferred came into force, making it an offence for anyone to remove, from the place of slaughter, the carcase of any animal without it being inspected.

Regular visits were made to all cold stores to check consignments of imported meat.

There were no poultry processing premises in the City.

**Transport.** Regular inspections were made of the vehicles operating from the Public Slaughter House to ensure that their condition and equipment were such that fresh meat was transported in a hygienic manner. A check was also made on the vehicles used by retail butchers in the course of their business.

**Disposal of Condemned Food.** All meat and offals found on inspection to be unfit were removed by approved firms from the slaughterhouse for manufacture into animal feeding stuffs and fertilisers. Other foodstuffs were disposed of by the Corporation's Cleansing Department in controlled refuse tips.

For details of unsound food surrendered see page 138.

**CARCASES OF MEAT INSPECTED  
and  
CARCASSES CONDEMNED**

|   | Cattle<br>exclud-<br>ing<br>Cows | Cows  | Calves | Sheep<br>and<br>Lambs | Pigs   | Total  |
|---|----------------------------------|-------|--------|-----------------------|--------|--------|
| Number killed and in-<br>spected .. ..                          | 12,114*                          | 3,816 | 1,094  | 50,563                | 22,475 | 90,062 |
| <b>All Diseases except<br/>tuberculosis and<br/>cysticerci:</b> |                                  |       |        |                       |        |        |
| Whole carcasses<br>condemned ..                                 | 14                               | 9     | 21     | 69                    | 75     | 188    |
| Carcasses part (or organ)<br>condemned ..                       | 5,289                            | 1,730 | 1      | 3,178                 | 4,955  | 15,153 |
| Percentage affected ..  | 43.77                            | 45.5  | 2.01   | 6.42                  | 22.38  | —      |
| <b>Tuberculosis only:</b>                                       |                                  |       |        |                       |        |        |
| Whole carcasses<br>condemned ..                                 | —                                | 1     | —      | —                     | 2      | 3      |
| Carcasses part (or organ)<br>condemned ..                       | 8                                | 1     | —      | —                     | 214    | 223    |
| Percentage affected ..  | 0.06                             | 0.02  | —      | —                     | 0.96   | —      |
| <b>Cysticercosis:</b>   |                                  |       |        |                       |        |        |
| Carcasses part (or organ)<br>condemned ..                       | 18                               | 1     | —      | —                     | —      | 19     |
| Carcasses submitted to<br>treatment by<br>refrigeration ..      | 18                               | 1     | —      | —                     | —      | 19     |
| Generalised and totally<br>condemned ..                         | —                                | 1     | —      | —                     | —      | 1      |

\* Bulls 7.      bullocks 7,138;      heifers 4,969.



## DETAILS OF UNSOUND FOOD SURRENDERED

| Food other than meat | In stones     |               |               |               |              |                |
|----------------------|---------------|---------------|---------------|---------------|--------------|----------------|
|                      | 1966          | 1965          | 1964          | 1963          | 1962         | 1961           |
| Bacon .. ..          | 257           | 142           | 176           | 44            | 66           | 133            |
| Butter .. ..         | 1             | 3             | 21            | —             | 5            | 10             |
| Canned goods ..      | 5,701         | 5,974         | 7,606         | 4,226         | 3,639        | 4,902          |
| Cakes and pastry ..  | 1,133         | 338           | 136           | 606           | 51           | 12             |
| Cheese .. ..         | 152           | 141           | 86            | 237           | 57           | 41½            |
| Chocolate and sweets | 1             | 8             | 40            | 13            | 17           | 120½           |
| Coffee .. ..         | 5             | 21            | —             | 2             | 1            | 2½             |
| Conserves .. ..      | 34            | 72            | 245           | 70            | 29           | 28             |
| Cooked meat ..       | 462           | 77            | 108           | 195           | 24           | 1              |
| Dried fruit ..       | 109           | 11            | 29            | 8             | 11           | 25½            |
| „ milk .. ..         | —             | —             | —             | 4             | 3            | —              |
| Eggs—liquid ..       | 6             | 5             | —             | 38            | 1            | 2              |
| —shell .. ..         | —             | —             | —             | —             | 8            | —              |
| Fish .. ..           | 578           | 491           | 609           | 843           | 699          | 975½           |
| Fruit .. ..          | 1,600         | 1,759         | 1,090         | 1,401         | 961          | 300½           |
| Flour .. ..          | —             | 9             | —             | 7             | 18           | 8½             |
| Margarine .. ..      | 1             | 10            | 5             | —             | 13           | 3½             |
| Miscellaneous ..     | 957           | 186           | 340           | 2,155         | 922          | 4,291          |
| Poultry .. ..        | 120           | 681           | 52            | 139           | 18           | 19½            |
| Rabbits .. ..        | —             | 2             | 12            | 54            | 12           | 20½            |
| Sausage .. ..        | 375           | 88            | 124           | 391           | 18           | 42½            |
| Shell fish ..        | 907           | 1,118         | 861           | 312           | 670          | 561½           |
| Sugar .. ..          | 1             | 2             | 32            | 9             | 1            | —              |
| Imitation cream ..   | 13            | 15            | 125           | 17            | 30           | 1              |
| Vegetables ..        | 14,332        | 10,657        | 7,332         | 6,557         | 1,636        | 1,458          |
| <b>TOTAL ..</b>      | <b>26,745</b> | <b>21,810</b> | <b>19,029</b> | <b>17,328</b> | <b>8,910</b> | <b>12,959½</b> |

| Meat            | Home-killed   |               |               | Imported     |              |            |
|-----------------|---------------|---------------|---------------|--------------|--------------|------------|
|                 | in stones     |               |               | in stones    |              |            |
|                 | 1966          | 1965          | 1964          | 1966         | 1965         | 1964       |
| Beef .. ..      | 1,697         | 2,246         | 2,944         | 173          | 150          | 326        |
| Mutton and Lamb | 432           | 562           | 1,067         | 1,035        | 47           | 254        |
| Pork .. ..      | 1,651         | 1,949         | 2,353         | 311          | 382          | 157        |
| Veal .. ..      | 66            | 69            | 71            | —            | —            | —          |
| Offals .. ..    | 10,611        | 11,914        | 14,256        | 125          | 730          | 164        |
| <b>TOTAL ..</b> | <b>14,457</b> | <b>16,740</b> | <b>20,691</b> | <b>1,644</b> | <b>1,309</b> | <b>901</b> |

GRAND TOTAL SURRENDERED 1964: 21,592 stones = approx 135 tons.

„ „ „ 1965: 18,049 „ = „ 113 „

„ „ „ 1966: 16,101 stones = approx. 101 tons.

## THE MILK SUPPLY

## REGISTRATIONS

The conditions under which milk was produced, stored, treated and distributed were regularly examined to ensure that the statutory requirements applicable to the trade were observed.

| REGISTRATIONS AT<br>31st DECEMBER                     | 1966 | 1965 | 1964 | 1963 | 1962 | 1961 |
|---|------|------|------|------|------|------|
| Processing dairies .. .. .                            | 2    | 3    | 3    | 3    | 3    | 3    |
| Distributors operating from wholesale dairies .. .. . | 3    | 3    | 3    | 3    | 4    | 4    |
| Distributors—shopkeepers .. .. .                      | 677  | 772  | 740  | 713  | 734  | 703  |

## LICENSING

## THE MILK (SPECIAL DESIGNATION) REGULATIONS, 1963

| LICENCES GRANTED                 | 1966 | 1965 | 1964 | 1963 | 1962 | 1961 |
|----------------------------------|------|------|------|------|------|------|
| Dealers'—to pasteurise .. .. .   | 2    | 3    | 3    | 3    | 3    | 3    |
| to sterilise .. .. .             | 2    | 3    | 3    | 3    | 3    | 3    |
| to sell T.T. milk .. .. .        | 696* | 775* | 740* | 713* | 734* | 214  |
| to sell pasteurised milk .. .. . |      |      |      |      |      | 537  |
| to sell sterilised milk .. .. .  |      |      |      |      |      | 636  |

\* Composite licences now issued.

Prior to 1962 separate licences were issued in respect of each special designation of milk sold by dealers. From that year a composite licence was issued. The use of the designation 'Tuberculin Tested' ceased on the 31st December 1964, when the designation 'Untreated' was authorised. No dealer operating from premises within the city distributes the latter so that the retailers' licences cover pasteurised and sterilised milks only.



The Milk (Special Designation) (Amendment) Regulations, 1965, permit the use of a further special designation 'Ultra Heat-Treated' as from the 1st October, but no local operator as yet supplies such milk.

### SAMPLING

#### BACTERIOLOGICAL EXAMINATION

**Untreated Milk, Channel Island, Farm Bottled.** Eighty-four samples were subjected to the methylene blue test. All but four were satisfactory and ten of these samples were also examined for the presence of brucella abortus with negative results.

**Pasteurised Milk.** A total of 543 samples including 97 which were additionally homogenised and 92 of Channel Islands quality were subjected to the methylene blue test. Ten failed to pass the test.

All the samples of pasteurised milks were also subjected to the phosphatase test to determine the efficiency of the process. Four samples failed and following investigation a mechanical fault in the dairy plant was promptly remedied.

**Sterilised Milk.** A total of 143 samples, processed under licence, was obtained for examination; all satisfied the turbidity test.

#### CHEMICAL EXAMINATION

Of those samples examined by the Public Analyst during the year, particulars were as follows:

|  |    |                                     |
|--|----|-------------------------------------|
| Total milk samples examined              | .. | 503 (incl. 28 Channel Island Milks) |
| Average fat content .. .. .              | .. | 3.787% Channel Island<br>4.671%     |
| Average solids-other-than-fat content .. | .. | 8.748% Channel Island<br>9.083%     |

(The standard for milk is "fat" 3.0% and "solids-other-than-fat" 8.50%. For Channel Islands milk the minimum standard for "fat" content is 4.0%.)

Of the 546 samples subjected to the Gerber test 84 or 15.38% were unsatisfactory.

**ACTION TAKEN ON UNSATISFACTORY MILK SAMPLES**

| <i>Samples taken formally and<br/>found not genuine</i>                                    | <i>Action taken</i>                                      |
|--|--|
| 15 samples from 9 producers were deficient in milk-fat content.                            | Letters from Chief Public Health Inspector to producers. |
| 24 samples from 11 producers were deficient in solids-not-fat content.                     | do.  |
| 12 samples from 5 producers were deficient in milk-fat and in milk-solids-not-fat content. | do.  |

In six cases information was sent to the National Agricultural Advisory Service with a view to advising the producers concerned.

In a consignment of nine churns of milk one churn only contained extraneous water. This was believed to be accidental. The producer received a warning letter and was referred to the National Agricultural Advisory Service for advice.

A complaint regarding bitter taste and change of colour in a bottle of milk was investigated and found to be probably the result of contamination from medicinal tablets occurring at the complainant's home.

A one-third pint bottle of Pasteurised Schools Milk was found to contain foreign matter in the form of glass and rust particles. A prosecution is pending.

**ICE CREAM**

All manufacturers of and dealers in ice-cream were registered under the provisions of the Nottingham Corporation Act 1935 and their premises were also registered under the provisions of the Food and Drugs Act 1955.

A total of 896 inspections was made.



**Registrations** in force at the end of the year:—

## MANUFACTURERS:

|                   |    |   |    |
|-------------------|----|---|----|
| "Hot mix" method  | .. | 4 |    |
| "Cold mix" method | .. | 2 |    |
| "Soft Ices"       | .. | 8 |    |
|                   |    | — | 14 |

## VENDORS AND DEALERS: 574

|                            |    |    |
|----------------------------|----|----|
| New registrations          | .. | 51 |
| Transfers of registrations |    | 60 |

**Sampling.** A total of 62 samples was taken for chemical analysis; all conformed to the standard required by the Food Standards (Ice-Cream) Regulations 1959. Four ice lollies also examined were found to be satisfactory.

Samples for bacteriological grading by the methylene blue reduction test were taken as under:—

| Grade | Time taken to reduce methylene blue | No. of specimens |
|-------|-------------------------------------|------------------|
| 1     | 4 or more hours                     | 186              |
| 2     | 2½–4 hours                          | 8                |
| 3     | 1–2 hours                           | 4                |
| 4     | 0–½ hour                            | 1                |

The recommended standard is that, over a six-monthly period, 50 per cent of a vendor's samples should fall into Grade I, 80 per cent into Grade I or II, not more than 20 per cent into Grade III, and none into Grade IV.

**Lollies.** Bacteriological examination of one lolly sample showed it to be satisfactory.

## FOOD SAMPLING

A total of 117 samples of food sent for bacteriological examination included potted meat, brawn, haslet, sausages and pork trimmings. Only two were reported as being unsatisfactory.

No samples of liquid egg were submitted; there were no egg pasteurisation plants in the city.

Samples were taken for chemical analysis as follows:

|               |    |    |                   |                          |
|---------------|----|----|-------------------|--------------------------|
| Formal        | .. | .. | 520               | Analysed by City Analyst |
| Informal      | .. | .. | 497               | Analysed by City Analyst |
| Informal milk | .. | .. | 546               | Tested by Inspector      |
|               |    |    | <hr/> 1,563 <hr/> |                          |

Informal samples were found to be unsatisfactory in 22 cases, following which letters were sent to the sellers or manufacturers.

Other items dealt with were:

- Fruit flies in sherry wine
- Baby food developing mould
- Port wine with excess sediment
- Misleading advertisement for "bread and butter" in cafe
- Corrosion occurring in aluminium saucepan
- Plastic toys—investigation of lead content of colouring

The average meat content of sausages sold in the city during the year was: pork sausage 71·8%; beef sausage 64·2%.



# **FOOD AND DRUGS** **SAMPLES EXAMINED BY CITY ANALYST**

| Item   | Genuine    |            |            | Unsatisfactory |           |           | Totals     |            |              |
|--|------------|------------|------------|----------------|-----------|-----------|------------|------------|--------------|
|  | Formal     | In-formal  | Total      | Formal         | In-formal | Total     | Formal     | In-formal  | Total        |
| Milk, raw .. .. .                                      | 371        | —          | 371        | 51             | —         | 51        | 422        | —          | 422          |
| Milk, processed .. .. .                                | 81         | —          | 81         | —              | 3         | 3         | 81         | 3          | 84           |
| Milk, canned, condensed, dried ..                      | —          | 4          | 4          | —              | 1         | 1         | —          | 5          | 5            |
| Butter, cream, cheese and other dairy products .. .. . | —          | 30         | 30         | —              | —         | —         | —          | 30         | 30           |
| Ice-cream and frozen lollies .. .. .                   | —          | 65         | 65         | —              | 1         | 1         | —          | 66         | 66           |
| Open meat products .. .. .                             | —          | 21         | 21         | —              | —         | —         | —          | 21         | 21           |
| Canned or preserved meats and meat products .. .. .    | —          | 66         | 66         | —              | —         | —         | —          | 66         | 66           |
| Canned or pre-packed fish and fish products .. .. .    | —          | 18         | 18         | —              | —         | —         | —          | 18         | 18           |
| Soups .. .. .  | —          | 17         | 17         | —              | —         | —         | —          | 17         | 17           |
| Oils and fats .. .. .                                  | 12         | 3          | 15         | —              | —         | —         | 12         | 3          | 15           |
| Fresh fruits and vegetables .. .. .                    | —          | —          | —          | —              | —         | —         | —          | —          | —            |
| Canned or preserved fruits and vegetables .. .. .      | —          | 52         | 52         | —              | 7         | 7         | —          | 59         | 59           |
| Sweets, sugar confectionery, etc. ..                   | —          | 13         | 13         | —              | 3         | 3         | —          | 16         | 16           |
| Jams, conserves, fruit curds, jellies, etc. .. .. .    | —          | 26         | 26         | —              | —         | —         | —          | 26         | 26           |
| Bread, biscuits, etc. .. .. .                          | —          | 2          | 2          | —              | —         | —         | —          | 2          | 2            |
| Flours and flour mixtures .. .. .                      | —          | 17         | 17         | —              | —         | —         | —          | 17         | 17           |
| Cakes and puddings .. .. .                             | —          | —          | —          | 1              | —         | 1         | 1          | —          | 1            |
| Canned or pre-packed puddings ..                       | —          | 12         | 12         | —              | —         | —         | —          | 12         | 12           |
| Cereals .. .. .  | —          | 24         | 24         | —              | —         | —         | —          | 24         | 24           |
| Food flavourings and colourings ..                     | —          | 14         | 14         | —              | —         | —         | —          | 14         | 14           |
| Food drinks and non-alcoholic beverages .. .. .        | —          | 26         | 26         | —              | 3         | 3         | —          | 29         | 29           |
| Spices, sauces and condiments .. ..                    | —          | 50         | 50         | —              | 3         | 3         | —          | 53         | 53           |
| Wines, spirits and other alcoholic beverages .. .. .   | 4          | 2          | 6          | —              | 1         | 1         | 4          | 3          | 7            |
| Drugs (internal and external use) ..                   | —          | 4          | 4          | —              | —         | —         | —          | 4          | 4            |
| Baking powders and raising preparations .. .. .        | —          | 3          | 3          | —              | —         | —         | —          | 3          | 3            |
| Miscellaneous .. .. .                                  | —          | 6          | 6          | —              | —         | —         | —          | 6          | 6            |
| <b>TOTALS .. .. .</b>                                  | <b>468</b> | <b>475</b> | <b>943</b> | <b>52</b>      | <b>22</b> | <b>74</b> | <b>520</b> | <b>497</b> | <b>1,017</b> |

## FERTILISERS AND FEEDING STUFFS

| Samples taken                      | Satisfactory | Unsatisfactory | Total |
|------------------------------------|--------------|----------------|-------|
| <b>Fertilisers</b>                 |              |                |       |
| All-purpose fertiliser .. ..       | 2            | —              | 2     |
| Bone meal .. ..                    | 1            | —              | 1     |
| Dried blood .. ..                  | 2            | —              | 2     |
| Fish, blood and bone fertiliser .. | 1            | —              | 1     |
| Gas Liquor .. ..                   | 2            | —              | 2     |
| Hoof and horn .. ..                | 1            | —              | 1     |
| John Innes base fertiliser ..      | 1            | —              | 1     |
| Soluble plant food .. ..           | 1            | —              | 1     |
| Sulphate of ammonia .. ..          | 1            | —              | 1     |
| Sulphate of potash .. ..           | 1            | —              | 1     |
| <b>Feeding Stuffs</b>              |              |                |       |
| Baby chick mash .. ..              | 1            | —              | 1     |
| Intensive battery mash .. ..       | 1            | —              | 1     |
| Intensive chick growers mash ..    | 1            | —              | 1     |
| Layers mash .. ..                  | 6            | —              | 6     |
| Pig food No. 1 (sow and weaners)   | 1            | —              | 1     |
| Pig food No. 2 (fattening) ..      | 1            | —              | 1     |
| Poultry layers pellets .. ..       | 1            | —              | 1     |
| TOTALS .. ..                       | 25           | —              | 25    |



## GENERAL

Although the qualified staff in the Department remained seriously depleted the position was improved by the appointment of two trainee public health inspectors who were successful in obtaining their qualification.

### SHOPS ACT 1950

During October and November the Health Committee carried out a poll to find out whether the shopkeepers in the central area of the city were in favour of six-day trading. The shops affected were those within the boundary of or fronting on to Upper Parliament Street to South Sherwood Street, South Sherwood Street to Burton Street, Burton Street to Milton Street, Milton Street from Burton Street to Lower Parliament Street, Lower Parliament Street to Glasshouse Street, Glasshouse Street to Kent Street, Kent Street, Huntingdon Street from Kent Street to Lower Parliament Street, Lower Parliament Street to Hockley, Woolpack Lane, Warser Gate, Bottle Lane, Bridlesmith Gate, Middle Pavement, Middle Hill, Middle Marsh, Sussex Street, Canal Street from Sussex Street to Greyfriar Gate, Greyfriar Gate, Lister Gate, Albert Street, Wheeler Gate, Friar Lane to Granby Street, Granby Street to Park Row, and Park Row from Granby Street to Upper Parliament Street. The result of the poll showed that the shopkeepers in the trade classes defined as Mixed Shops; Boot and Shoe Dealers and Repairers; Hairdressers; Opticians and Scientific Instrument Dealers and Photographic Dealers; Pram, Toy and Nursery Equipment Dealers; Sewing and Knitting Machine Dealers; Trunk, Bag, Leather and Umbrella Dealers; Travel Bureaux; Gaming Machine Dealers; Chemists and Dealers in Toilet Requisites and Dealers in Motor Vehicles, Cycles and Vehicle Accessories wanted the Corporation to make an order permitting them to open their shops for trading on six days a week.

**CONSUMER PROTECTION****The Heating Appliances (Fireguards) Regulations 1953****The Oil Heaters Regulations 1962**

No appliance was found on sale which did not comply with the appropriate regulations.

**The Children's Nightdresses Regulations 1964**

No action was necessary in connection with these Regulations.

**OFFICES, SHOPS AND RAILWAY PREMISES ACT 1963****Number of premises registered at 31st December:**

|                                   |    |    |    |       |
|-----------------------------------|----|----|----|-------|
| Offices                           | .. | .. | .. | 1,692 |
| Retail Shops                      | .. | .. | .. | 2,528 |
| Wholesale shops, warehouses       | .. | .. | .. | 453   |
| Catering establishments, canteens | .. | .. | .. | 573   |
| Fuel storage depots               | .. | .. | .. | 20    |
| Total                             | .. | .. | .. | 5,266 |

**Number of persons employed in the premises registered:**

|         |    |    |    |        |
|---------|----|----|----|--------|
| Females | .. | .. | .. | 23,435 |
| Males   | .. | .. | .. | 22,842 |
| Total   | .. | .. | .. | 46,277 |

**Number of general inspections of registered premises**

Numbers of visits made .. .. 2,800

Number of notices served drawing attention to infringements .. .. 596

Number of notices fully complied with .. .. 879

Number of accidents reported .. .. 183

An application from a multiple store for exemption from providing separate first-aid boxes or cupboards was granted.

**TREATMENT OF VERMINOUS PERSONS**

During the year 19 persons were reported as being infested with body lice and appropriate arrangements were made for their treatment,



**PHARMACY AND POISONS**

The Act permits the sale of poisons in Part II of the Poisons List by persons whose names and premises are entered in the local authority's list.

|  |    |    |    |     |
|--|----|----|----|-----|
| Applications for entry received                                  | .. | .. | .. | 6   |
| Transfers of licences  | .. | .. | .. | Nil |
| Premises removed from the list (ceased to operate under the Act) | .. | .. | .. | 7   |

In addition to inspections following applications, supervisory visits were made to various premises of listed sellers during the year.

One letter was sent to a retailer who had failed to make application for admission to the list.

**PART IV**  
**MISCELLANEOUS**

ADMINISTRATION

EPILEPSY AND CEREBRAL PALSY

ESTABLISHMENTS FOR MASSAGE OR SPECIAL  
TREATMENT

INCIDENCE OF BLINDNESS

NATIONAL ASSISTANCE ACTS 1948  
and 1951

NURSES AGENCIES ACT 1957

NURSING HOMES

MORTUARY

NOTTINGHAM CREMATORIUM

SICKNESS RETURNS — MINISTRY OF SOCIAL  
SECURITY

ULTRA VIOLET RAY CLINIC



## ADMINISTRATION

**Staff.** The year was one of high turnover of staff, 18 appointments were made and 16 resignations received. Though the resignations of two men were received it was not possible to appoint any men in their place; out of a total staff of 92 only 10 are males. In 1949 there were a similar number of men employed though the staff totalled only 38.

**Capital Buildings Programme.** It was a pleasure to see work in progress on two buildings during the year, the Radford Welfare Centre and the permanent John Ryle Health Centre at Clifton. The new Junior Training Centre was almost ready to go out to tender and active planning took place on two Health Centres and a Nurses' Hostel.

All this work was undertaken without any extra staff and placed a considerable strain on those in senior positions.

**Radio Communications.** A full report on Radio Communications appears in the Midwifery Section of the report at page 33.

## EPILEPSY AND CEREBRAL PALSY

The number of persons known to be suffering from epilepsy and cerebral palsy is shown below. Although an individual may be known to more than one service of the Local Authority he is shown in the table under the service mainly concerned with his welfare.

|                                   | Education | Mental Health | Welfare | Others | TOTAL |
|-----------------------------------|-----------|---------------|---------|--------|-------|
| Cerebral palsy ..                 | 28        | 65            | 31      | 21     | 145   |
| Epilepsy ..                       | 128       | 133           | 34      | 12     | 307   |
| Cerebral palsy<br>and epilepsy .. | 3         | 20            | —       | 1      | 24    |

## ESTABLISHMENTS FOR MASSAGE OR SPECIAL TREATMENT

Under the Nottingham Corporation Act, 1952, a licence for one new establishment was granted during the year. The licences of 15 establishments were renewed.

Certificates of exemption from the licence were granted to five registered members of the Chartered Society of Physiotherapists and the Faculty of Physiotherapy.

## INCIDENCE OF BLINDNESS

| Blind   | Cause of Disability |          |                         |        |
|---|---------------------|----------|-------------------------|--------|
|   | Cataract            | Glaucoma | Retrolental Fibroplasia | Others |
| (1) Cases registered during the year in respect of which para. 7(c) of Forms B.D.8 recommends:  |                     |          |                         |        |
| (a) No treatment ..   | 12                  | 5        | —                       | 20     |
| (b) Treatment (medical, surgical or optical)  | 20                  | 8        | —                       | 26     |
| (2) Cases at (1) (b) above which on follow up action have received treatment ..                 | 8                   | 8        | —                       | 26     |
| <b>Partially-Sighted</b>  |                     |          |                         |        |
| (1) Cases registered during the year in respect of which para. 7 (c) of Forms B.D.8 recommends: |                     |          |                         |        |
| (a) No treatment ..   | —                   | —        | —                       | 4      |
| (b) Treatment (medical, surgical or optical)  | 12                  | 2        | —                       | 17     |
| (2) Cases which received follow up treatment ..   | 5                   | 2        | —                       | 17     |
| Number of blind persons on register at 31st December ..   |                     |          |                         | 728    |
| Number of partially sighted persons on register at 31st December ..                             |                     |          |                         | 171    |



### **NATIONAL ASSISTANCE ACTS, 1948-1951**

Since the implementation of these Acts, no person has been removed compulsorily.

### **NURSING AGENCIES**

Two nursing agencies in the city had their licences renewed at the end of the year. At the time of application for the renewal, the registers contained the names of ten state-registered nurses and one enrolled nurse.

### **NURSING HOMES**

Three nursing homes registered with the Corporation provided between them 46 beds for medical and geriatric cases. All were inspected regularly by a medical officer.

### **MORTUARY**

The mortuary in Canal Street received 640 bodies during the year, and autopsies to determine the cause of death were performed on 584 of them. In the previous year, 619 bodies were received and 566 autopsies performed.

Most of the bodies were those of persons who had died in the city and where the disposal of the remains was subject to the Coroner's jurisdiction. Five autopsies were conducted at the request of the Home Office.

## NOTTINGHAM CREMATORIUM

The total number of cremations was 4,354, an increase of 148 over 1965. The tables compare the figures for 1966 with those of previous years.

| Year           | ALL CREMATIONS |                               | CREMATIONS OF CITY RESIDENTS |                               |                               |
|----------------|----------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|
|                | No.            | Alteration from previous year | No.                          | Alteration from previous year | Percentage of all City deaths |
| 1955 ..        | 3,940          | + 10%                         | 1,432                        | + 9%                          | 40·6%                         |
| 1956 ..        | 3,806          | — 3%                          | 1,528                        | + 7%                          | 43·8%                         |
| 1957 ..        | 3,481          | — 9%                          | 1,477                        | — 3%                          | 43·7%                         |
| 1958 ..        | 3,967          | + 14%                         | 1,619                        | + 9%                          | 47·3%                         |
| 1959 ..        | 3,972          | + 0·1%                        | 1,731                        | + 7%                          | 48·1%                         |
| 1960 ..        | 3,658          | — 7·9%                        | 1,692                        | — 2·2%                        | 49·2%                         |
| 1961 ..        | 3,796          | + 3·8%                        | 1,944                        | + 14·9%                       | 50·5%                         |
| 1962 ..        | 3,818          | + 0·6%                        | 1,915                        | — 1·5%                        | 50·2%                         |
| 1963 ..        | 3,807          | — 0·3%                        | 1,865                        | — 2·6%                        | 51·68%                        |
| 1964 ..        | 4,031          | + 5·9%                        | 1,980                        | + 6·2%                        | 54·94%                        |
| 1965 ..        | 4,206          | + 4·3%                        | 2,028                        | + 2·4%                        | 55·47%                        |
| <b>1966 ..</b> | <b>4,354</b>   | <b>+ 3·5%</b>                 | <b>2,209</b>                 | <b>+ 8·9%</b>                 | <b>56·98%</b>                 |

### Cremation and Residence

| PLACE OF RESIDENCE              | NO. OF CREMATIONS |       |       |       |       |
|---------------------------------|-------------------|-------|-------|-------|-------|
|                                 | 1966              | 1965  | 1964  | 1963  | 1962  |
| City .. .. .                    | <b>2,209</b>      | 2,028 | 1,980 | 1,865 | 1,915 |
| County excluding West Bridgford | <b>1,492</b>      | 1,556 | 1,379 | 1,346 | 1,300 |
| West Bridgford .. ..            | <b>251</b>        | 224   | 234   | 237   | 243   |
| Other areas .. .. .             | <b>402</b>        | 398   | 438   | 359   | 360   |
| <b>TOTAL .. .. .</b>            | <b>4,354</b>      | 4,206 | 4,031 | 3,807 | 3,818 |



# MINISTRY OF SOCIAL SECURITY SICKNESS RETURNS

The number of claims for sickness benefit gives an indication of sickness of the population month by month.

| Average No. of sickness claims per week |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|
|   | 1966  | 1965  | 1964  | 1963  | 1962  |
| JANUARY ..                              | 2,720 | 1,839 | 2,025 | 1,983 | 2,447 |
| FEBRUARY ..                             | 2,517 | 1,676 | 2,133 | 1,773 | 1,670 |
| MARCH ..                                | 1,571 | 1,715 | 1,412 | 1,555 | 1,575 |
| APRIL ..                                | 1,359 | 1,263 | 1,384 | 1,159 | 1,152 |
| MAY ..                                  | 1,185 | 1,565 | 1,117 | 1,066 | 1,044 |
| JUNE ..                                 | 1,199 | 1,121 | 1,183 | 955   | 909   |
| JULY ..                                 | 1,215 | 1,120 | 1,114 | 1,007 | 848   |
| AUGUST ..                               | 1,094 | 1,070 | 1,039 | 915   | 782   |
| SEPTEMBER ..                            | 1,225 | 1,339 | 1,263 | 1,083 | 1,059 |
| OCTOBER ..                              | 1,580 | 1,500 | 1,654 | 1,361 | 1,367 |
| NOVEMBER ..                             | 1,617 | 1,482 | 1,596 | 1,345 | 1,297 |
| DECEMBER ..                             | 1,648 | 1,367 | 1,337 | 1,273 | 1,336 |

## RESPIRATORY INFECTIONS

| NOTIFICATIONS OF PNEUMONIA |           |      |      |            |     |      |           |      |       |      |      |      |
|----------------------------|-----------|------|------|------------|-----|------|-----------|------|-------|------|------|------|
|                            | Jan.      | Feb. | Mar. | Apr.       | May | June | July      | Aug. | Sept. | Oct. | Nov. | Dec. |
| 1966 ..                    | 10        | 31   | 5    | 1          | 2   | 8    | 1         | 3    | 5     | 1    | 4    | 8    |
| 1965 ..                    | 7         | 4    | 5    | 6          | 1   | 7    | 1         | 4    | —     | 3    | 4    | 7    |
| 1964 ..                    | 14        | 14   | 4    | 1          | 6   | 1    | 1         | 1    | —     | 2    | 13   | 11   |
| 1963 ..                    | 15        | 29   | 15   | 11         | 6   | 11   | 3         | 3    | 2     | —    | 3    | 4    |
| 1962 ..                    | 25        | 12   | 11   | 10         | 5   | 5    | 4         | 7    | —     | 2    | 1    | 18   |
| 1961 ..                    | 54        | 73   | 15   | 15         | 8   | 4    | 2         | 2    | 3     | 2    | 9    | 8    |
| DEATHS                     |           |      |      |            |     |      |           |      |       |      |      |      |
|                            | Influenza |      |      | Bronchitis |     |      | Pneumonia |      |       |      |      |      |
| 1966* ..                   | 42        |      |      | 330        |     |      | 208       |      |       |      |      |      |
| 1965 ..                    | 6         |      |      | 259        |     |      | 200       |      |       |      |      |      |
| 1964 ..                    | 19        |      |      | 291        |     |      | 219       |      |       |      |      |      |
| 1963 ..                    | 5         |      |      | 301        |     |      | 207       |      |       |      |      |      |
| 1962 ..                    | 29        |      |      | 403        |     |      | 217       |      |       |      |      |      |
| 1961 ..                    | 86        |      |      | 341        |     |      | 206       |      |       |      |      |      |

\* Provisional

# **ULTRA VIOLET RAY CLINIC** **SUMMARY OF THE WORK**

|   | 1966  | 1965  | 1964  | 1963  | 1962  | 1961  | 1960   |
|---|-------|-------|-------|-------|-------|-------|--------|
| Cases brought forward ..                | 69    | 69    | 69    | 138   | 433   | 518   | 542    |
| New cases ..                            | 70    | 78    | 89    | 87    | 152   | 225   | 277    |
| Total treated                           | 139   | 147   | 158   | 225   | 585   | 743   | 819    |
| City patients ..                        | 135   | 139   | 142   | 209   | 579   | 736   | 813    |
| County patients                         | 4     | 8     | 16    | 16    | 6     | 7     | 6      |
|   | 139   | 147   | 158   | 225   | 585   | 743   | 819    |
| Adult patients male ..                  | 54    | 58    | 64    | 74    | 156   | 194   | 241    |
| Adult patients female ..                | 73    | 70    | 81    | 125   | 324   | 404   | 417    |
| Patients 5-15 yrs.                      | 6     | 8     | 7     | 15    | 77    | 114   | 117    |
| Patients 0-5 yrs.                       | 6     | 11    | 6     | 11    | 28    | 31    | 44     |
|   | 139   | 147   | 158   | 225   | 585   | 743   | 819    |
| Cases discharged or ceased to attend .. | 76    | 78    | 89    | 156   | 447   | 310   | 301    |
| Cases carried forward ..                | 63    | 69    | 69    | 69    | 138   | 433   | 518    |
|   | 139   | 147   | 158   | 225   | 585   | 743   | 819    |
| No. of treatments:                      |       |       |       |       |       |       |        |
| total given ..                          | 2,487 | 3,050 | 2,787 | 2,839 | 6,016 | 9,804 | 11,445 |
| average per patient ..                  | 17.9  | 20.7  | 17.6  | 12.6  | 10.28 | 13.2  | 14.0   |





## PART V

### HEALTH COMMITTEE

”

”

### STAFF

”

”

### REPORTS TO THE CITY COUNCIL

### FINANCIAL SUMMARY



HEALTH COMMITTEE

1966

LORD MAYOR:  
ALDERMAN P. HOLLAND, J.P.

CHAIRMAN:  
COUNCILLOR F. W. WOOTTON

VICE-CHAIRMAN:  
ALDERMAN DR. ERNEST WANT, M.B., Ch.B.

ALDERMAN A. W. NORWEBB, A.R.S.H., J.P.

COUNCILLOR J. R. GOUGH

COUNCILLOR J. W. GREEN

COUNCILLOR P. M. LYNCH

COUNCILLOR MISS M. McKEON, S.R.N.

COUNCILLOR P. O. B. PRICE

COUNCILLOR T. G. STRICKSON

COUNCILLOR J. W. WALLIS

COUNCILLOR L. WHITEHOUSE

COUNCILLOR T. A. WHITMORE

COUNCILLOR MRS. M. WHITTAKER

## HEALTH COMMITTEE STAFF

### Medical Officer of Health—

WILLIAM DODD, M.D., M.R.C.P., D.P.H.

### Deputy Medical Officer of Health—

ALBERT MARTIN, M.B., Ch.B., D.P.H.

### Senior Medical Officers—

L. ANN WILSON, B.Sc., M.D., D.C.H., D.P.H.

JOHN E. J. HURMAN, M.B., B.S., D.T.M. & H., D.P.H.

WILLIAM D. SINCLAIR, M.B., Ch.B., D.P.H.

### Senior Assistant Medical Officer—

JAMES H. MURRAY, L.R.C.P., L.R.C.S., L.R.F.P.S., D.P.H. From 2.5.66.

### Medical Officers—

FREDA M. CHALKLEY, M.R.C.S., L.R.C.P. To 15.7.66.

JANET B. DALGETTY, M.B., Ch.B.

SYLVIA M. MATTHEWS, M.B., B.S.

E. MALCOLM CLARK, M.R.C.S., L.R.C.P., D.T.M. & H.

LORNA E. ELLIOTT, M.B., B.Ch. From 7.11.66.

### In conjunction with Sheffield Regional Hospital Board

A. C. BLANDY, M.A., M.B., B.Ch., M.R.C.P., M.R.C.S., D.P.H.

*Consultant Paediatrician*

J. KAMIENIECKI, Ph.D., M.A., LL.M.

*Senior Psychologist*

D. MACMILLAN, O.B.E., M.D., B.Sc., F.R.C.P.E., D.Psych. To 31.8.66.

*Consultant Psychiatrist*

H. J. MALKIN, C.B.E., M.D., F.R.C.S., F.R.C.O.G., L.R.C.P.

*Consultant Obstetrician*

J. V. WHITAKER, M.B., Ch.B., D.T.M. & H., D.P.H. To 15.4.66.

*Chest Physician*

### Chief Dental Officer—

W. MCKAY, L.D.S.

### City Analyst—

E. FOGDEN, B.Sc., F.R.I.C. †

† Part-time



**Superintendent Nursing Officer—**

MISS M. EDWARDS, S.R.N., S.C.M., S.R.F.N., H.V., P.H.N. Admin. Cert.

**Midwifery Service—***Supervisor*—MISS P. J. LAMBERT, S.R.N., S.R.F.N., S.C.M., M.T.D.,  
H.V., Q.N.*Assistant Supervisor*—MISS N. ANTILL, S.R.N., S.C.M., M.T.D.*Midwives*—38 Full-time.

11 Part-time.

**Health Visiting Service—***Deputy Superintendent*—MISS M. HOLDROYD, S.R.N., S.C.M., H.V.*Senior Tuberculosis Visitor*—MISS E. CALEY, S.R.N., S.C.M.*Welfare Centre Superintendents* .. .. 7*Health Visitors*—General .. .. 24

,, Part-time .. .. 1

Tuberculosis .. .. 4

**Health Visitors' Training Course—***Tutor*—MISS D. T. HOGG, S.R.N., S.C.M., H.V. Tutor Cert.*Students*—2**Day Nurseries***Supervisor*—MISS K. THOMPSONBULWELL .. .. *Matron*—MRS. S. J. E. ALLEN, C.N.N.*Nursery Nurses*—5*Warden* —1DOWSON .. .. *Matron*—MRS. P. BATES, C.N.N.*Nursery Nurses*—5*Warden* —1HEATHCOAT STREET .. *Matron*—MISS M. R. M. DALE, C.N.N.*Nursery Nurses*—5*Warden* —1PIERREPONT .. .. *Matron*—MISS E. I. WALKER, R.S.C.N.*Nursery Nurses*—5*Warden* —1QUEEN'S DRIVE .. .. *Matron*—MRS. E. MACKINTOSH, S.R.N., S.C.M.*Nursery Nurses*—5*Warden* —1RADFORD .. .. *Matron*—MRS. M. A. R. NAYLOR, S.R.N.*Nursery Nurses*—5*Warden* —1SYCAMORE ROAD .. .. *Matron*—MRS. H. ROSS, R.S.C.N., C.N.N.*Nursery Nurses*—5*Warden* —1

**Octagon Club—Nuffield House—**

*Supervisor*—MRS. I. M. BEDFORD.

*Assistant Supervisor*—MRS. M. J. HEATHCOTE.

*Occupational Assistants*—2

**Social Workers—**

MISS H. E. BRADDELL-SMITH. From 3.10.66.

MRS. G. M. BROWN, B.A. To 19.10.66.

MRS. D. M. NAHMIASH, B.A. From 5.1.66.

MRS. M. D. VOWLER. From 3.1.66.

**Home Nursing Service—**

*Superintendent*—MISS M. M. KNOTT, S.R.N., S.C.M., H.V., Q.N.

*Senior Assistant Superintendent*—

MRS. M. HOGAN, S.R.N., S.C.M., Q.N.

*Assistant Superintendents*—

MR. A. W. BROMPTON, S.R.N., Q.N.

MISS J. M. SHEPHERD, S.R.N., Q.N.

*Home Nurses*—62 Full-time.

— 5 Part-time.

**Home Help Service—**

*Organiser*—MRS. L. HENSHAW.

*Deputy Organiser*—MRS. E. M. CHRICH.

*District Organisers*—

MISS A. M. CARROLL.

MISS L. ELLIOTT.

MRS. D. L. FREEMAN.

MISS D. M. GRATION.

*Case Workers*— 5.

*Home Helpers*— 64 Full-time.

—305 Part-time.

**Mental Health Service—**

*Mental Health Officer*—J. E. WESTMORELAND, M.B.E.

*Deputy Mental Health Officer*—G. E. HIBBARD.

*Social Workers*—4\*

*Mental Welfare Officers*—7.

„ „ *Assistants*—5.

*Training Centres Superintendent*—D. H. CATER, R.M.N.

„ „ *Staff*—32.

\* In conjunction with the Sheffield Regional Hospital Board,



**Administrative and Clerical—**

*Administrative Officer*—C. V. TUBB, D.P.A.  
 „ *Asst.* —F. F. PELLATT, D.P.A., P.H.I.Cert.  
*Senior Clerks*—17.  
*Clerks General Division, all sections*—Full-time 51.  
 —Part-time 22.

**Public Health Inspection Service—**

*Chief Public Health Inspector*—R. YOUNG, F.R.S.H.  
*Deputy Chief Public Health Inspector*—J. D. McDONALD, F.R.S.H.  
*Senior Inspector of Meat and other Foods*—R. F. FORRYAN.  
 „ *Housing Inspector*—H. TRINICK, B.E.M.  
 „ *Smoke Inspector*—V. WALES, M.I.Mar.E.  
*Public Health Inspectors, all branches*—Full-time 12.  
 —Part-time 1.  
 „ „ „ *Trainees* — 5.  
*Authorised Meat Inspectors*—2.  
*Technical Assistants*—9.

**Ambulance Service—**

*General Manager*—J. C. WAKE, A.C.I.S., M.Inst.T., M.I.R.T.E.  
*Chief Ambulance Officer*—F. WILKINSON, A.I.A.O.

**Ultra Violet Ray Clinic—**

HENRY N. JAFFE, M.B., B.S. †  
*Senior Nurse/Attendant*—MISS. I. HOPKINSON, S.E.N.

**Other Staff—**

|                              |    |    |    |            |
|------------------------------|----|----|----|------------|
| <i>Abattoir Assistant</i>    | .. | .. | 1  |            |
| <i>Caretakers</i>            | .. | .. | 4  |            |
| <i>Cleaners</i>              | .. | .. | 12 | Full-time. |
|                              |    |    | 21 | Part-time. |
| <i>Cooks</i>                 | .. | .. | 14 | Full-time  |
|                              |    |    | 2  | Part-time  |
| <i>Drivers</i>               | .. | .. | 4  |            |
| <i>Maintenance Assistant</i> | .. | .. | 1  |            |
| <i>Mortuary Attendants</i>   | .. | .. | 2  |            |
| <i>Rodent Operators</i>      | .. | .. | 6  |            |
| <i>Storemen</i>              | .  | .  | 2  |            |
| <i>Others</i>                | .. | .. | 1  | Full-time  |
|                              |    |    | 1  | Part-time  |

† Part-time.

HEALTH REPORT 1966

# REPORTS

OF THE

HEALTH COMMITTEE

TO THE

CITY COUNCIL



AS TO AN AMENDMENT OF THE COUNCIL'S PROPOSALS  
PURSUANT TO SECTION 21 OF THE NATIONAL HEALTH  
SERVICE ACT, 1946, TO PROVIDE A HEALTH CENTRE AT  
SOUTHCHURCH DRIVE, CLIFTON

---

THE HEALTH COMMITTEE

Beg to report

That the Ten-Year Development Plan for Health Services, as amended, includes the construction of a new Health Centre at Southchurch Drive, to replace the existing John Ryle Health Centre, work upon which is expected to start in the next financial year.

In connection with the construction of this Centre it is necessary at this stage for the existing proposals made under Section 21 of the National Health Service Act, 1946, to be amended and your Committee therefore beg to recommend the Council to seek the approval of the Minister of Health to an amendment by the adoption of the following paragraphs :—

“ 1. *Introduction*

These proposals which replace the existing proposals approved by the Minister of Health on 23rd April, 1952, are submitted for the Minister's approval under Section 20 of the National Health Service Act, 1946, and may be subject to subsequent modification by new proposals under that Section.

2. *Undertakings*

(a) Proposed Health Centre, Southchurch Drive, Clifton

- (i) The Authority will provide, equip and maintain health centre premises on a site at Southchurch Drive, Clifton, at which they will make available facilities for the provision of:—
  - (A) general medical services under Part IV of the Act;
  - (B) maternity and child welfare services under Section 22 of the Act;

(c) health education information, displays and lectures.

The authority will provide staff to the satisfaction of the Minister.

(ii) The Authority will permit the use of the premises, on such terms as may be agreed:—

(A) by the local education authority for the provision of school health services; and

(B) by any voluntary organisation providing services under Part III of the Act, or any service connected with the duties of a local health authority under Section 28 of this Act as extended by Part II of the Mental Health Act, 1959."

and to instruct the Town Clerk to take all necessary steps in connection therewith.

Dated this 29th day of December, 1965.

FRANK W. WOOTTON,  
CHAIRMAN

*This report was submitted to the City Council at their meeting on the 7th February, 1966, and was adopted.*



**AS TO THE ERECTION OF A PERMANENT HEALTH CENTRE  
AT CLIFTON**

---

**THE HEALTH COMMITTEE**

Beg to report

That the John Ryle Health Centre, which was opened on 17th October, 1952, was provided in four terraced houses at Greencroft, on the perimeter of the developing Clifton housing estate, to meet temporarily the medical needs of the area. The time has now arrived when the temporary premises should be replaced by a permanent building more centrally placed, and when the new building is completed the houses forming the present Centre will be let for normal residential occupation.

Through the close co-operation of your Committee, the Nottingham County and City Executive Council and the Local Medical Committee, arrangements are now proposed for the construction of new premises on a site comprising 0.478 acres near the junction of Southchurch Drive and Lanthwaite Road, as shown coloured pink on the plan (not reproduced) attached to this Report. The Estates Committee have signified their agreement to the appropriation of this land from Chamber Estate to health purposes.

Like its predecessor, the new Centre will provide accommodation for both local health authority services and general medical practitioners, but the new building is capable of expansion to permit the addition of a dental suite if future needs show this to be required; priority dental services will continue to be provided at a nearby school dental clinic.

The district to be served comprises an area of 1·4 square miles, with a population estimated at 25,000 and with 461 births annually; the number of children under five years of age is estimated at 3,250.

The local health authority services to be provided will include ante-natal, infant and toddler sessions, as well as midwives' and relaxation clinics; sessions will also be held for poliomyelitis vaccination. The Centre will serve as a district office for four health visitors and four midwives.

Three medical practices (a total of five doctors) at present using the existing Centre, will be accommodated in the new Centre, each practice having the exclusive use of a suite comprising a consulting room, examination room and patients' waiting area. The basic terms for occupation of suites in the new Centre have already been agreed with the Executive Council.

The estimated capital cost of the scheme is as follows:—

|  |         |
|--|---------|
|  | £       |
| Value of land to be appropriated .. .. .                           | 3,750   |
| Buildings (cost limit) .. .. .                                     | 34,500  |
| Furniture .. .. .  | 2,520   |
| Professional fees for consultants .. .. .                          | 1,400   |
| Services of the staffs of the City Architect and the City Engineer | 1,900   |
|  | <hr/>   |
|  | £44,070 |
|  | <hr/>   |

The conversion of the present Centre to housing purposes is expected to cost approximately £1,500 and this expenditure will be met by your Committee, appropriate provision being made in the financial estimates for 1967/68.

The scheme has been included in the capital programme at an estimated cost of £34,500 exclusive of the land value, and the



work has been phased as to £100 in the current financial year, £32,000 in 1966/67, £2,000 in 1967/68 and the balance of £400 in 1968/69. The cost of the land, i.e. £3,750, will be met from revenue in 1966/67 and the cost of staff services provided by the City Architect and the City Engineer, i.e. £1,900, will also be met from revenue during the period in which the scheme is carried out.

The estimated annual running costs of the new Centre compare with the annual costs of the existing premises as indicated below:—

|   | <i>Present<br/>Accommodation</i> |       | <i>New Centre</i> |       |
|---|----------------------------------|-------|-------------------|-------|
|   | £                                | £     | £                 | £     |
| <i>Expenditure:</i>   |                                  |       |                   |       |
| Employees .. .. .   | 753                              |       | 753               |       |
| Repairs and maintenance .. .. .   | 25                               |       | 35                |       |
| Fuel, light and cleaning .. .. .  | 320                              |       | 500               |       |
| Furniture and fittings .. .. .  | 20                               |       | 40                |       |
| Rent and rates .. .. .  | 644                              |       | 775               |       |
| Equipment, tools and materials .. .. .  | 40                               |       | 50                |       |
| Uniforms .. .. .  | 5                                |       | 10                |       |
| Laundry .. .. .   | 37                               |       | 100               |       |
| Printing, stationery and post .. .. .   | 65                               |       | 100               |       |
| Telephones .. .. .  | 40                               |       | 50                |       |
| Insurances .. .. .  | 3                                |       | 12                |       |
| Miscellaneous .. .. .   | 5                                |       | 20                |       |
| Debt charges (15 years) .. .. .   | —                                |       | 3,956             |       |
|   | —                                | 1,957 | —                 | 6,401 |
| <i>Income:</i>  |                                  |       |                   |       |
| Board and accommodation .. .. .   | 70                               |       | —                 |       |
| Nottingham City and County Executive Council—charges for use by doctors .. .. . | 468                              |       | 525               |       |
|   | —                                | 538   | —                 | 525   |
|   |                                  | 1,419 |                   | 5,876 |

Apart from the debt charges, the running costs of the new Centre are higher by approximately £500 per annum because the new premises will be much larger than the old ones.

The cost limit of £34,500 shown above has been approved by the Ministry of Health, who have now indicated that loan sanction will be authorised immediately if the application is made before the end of the current financial year on 31st March. In order, therefore, to avoid any risk of delay, your Committee consider it to be expedient that the application for loan sanction be made now, in advance of the receipt of tenders for the construction of the building and, accordingly, your Committee recommend the Council

- (1) to appropriate to health purposes the land shown coloured pink on the plan attached to this Report comprising 0·478 acres or thereabouts, at a value of £3,750; and
- (2) to instruct the Town Clerk to make application to the Minister of Housing and Local Government for sanction to borrow the sum of £38,420 representing the cost of the building, furniture and consultants' professional fees, and to take all necessary steps in connection therewith.

Dated this 22nd day of February, 1966.

FRANK W. WOOTTON,  
CHAIRMAN

*This report was submitted to the City Council at their meeting on the 7th March, 1966, and was adopted.*



AS TO THE ESTABLISHMENT OF A SMOKE CONTROL AREA IN THE CITY OF NOTTINGHAM BOUNDED TO THE NORTH BY ASPLEY LANE AND STRELLEY ROAD, TO THE SOUTH BY WOLLATON ROAD, RUSSELL DRIVE AND TROWELL ROAD, TO THE EAST BY WESTERN BOULEVARD AND TO THE WEST BY THE CITY BOUNDARY

### THE HEALTH COMMITTEE

Beg to report

That in pursuance of the Council's policy to introduce smoke control areas which will eventually cover the whole of the City, they have caused a detailed survey to be made of the proposed fifth Smoke Control Area. This survey was completed by mid-Summer 1965 but restrictions on capital expenditure prevented any further action at that time. Your Committee are of opinion that steps should now be taken to establish this Smoke Control Area.

The land subject to the proposed Order comprises 1,569 acres and is bounded to the north by Aspley Lane and Strelley Road, to the south by Wollaton Road, Russell Drive and Trowell Road, to the east by Western Boulevard and to the west by the City boundary, as indicated in green on the plan (not reproduced) attached to this Report. It adjoins the area subject to the Nottingham (No. 4) Smoke Control Order which came into operation on 1st September, 1964.

The proposed area includes the following buildings:—

|                  |       |
|------------------|-------|
| Industrial .. .. | 42    |
| Commercial .. .. | 105   |
| Dwellings .. ..  | 7,426 |
| Others .. ..     | 55    |
| <hr/>            |       |
| Total .. ..      | 7,628 |
| <hr/>            |       |

In the case of dwelling houses where construction started before 16th August, 1964 (the date determined by the Housing Act, 1964) the Corporation will be liable to meet part of the expenditure (in most cases 70%) necessary to adapt the existing house or its fireplaces to avoid contravention of the terms of the Order. The Corporation will receive Exchequer grant towards the expenditure so that ultimately 30% of the cost of the necessary works will be borne by the owners, 30% by the Corporation and 40% by the Exchequer. Where, however, the Corporation are themselves the owners, their share is 60%.

Six of the dwellinghouses mentioned above have been erected since 16th August, 1964, and therefore do not qualify for any grant. The estimated cost of the adaptations to the remaining 7,420 houses which will qualify for grant, based on an average cost of £49 4s. 0d. each, is £364,980. Of this sum, £145,992 will be received by the Corporation by way of Exchequer grant and the total cost to the Corporation will be £177,244, being £109,494 (three-tenths of £364,980) plus £67,750 representing the Corporation's share as owners of 4,591 houses in the area. The sum of £67,750 will be met largely from the Housing Repairs account and the Housing Committee have agreed to this arrangement.

Provision has been made in the Council's programme of capital expenditure for the costs arising from the making of this Order at an estimated cost to your Committee of £109,500 phased as to £51,465 in 1966/67 and £58,035 in 1967/68. The annual debt charges based on a repayment period of 15 years are estimated to be £11,274.

So far as commercial and other premises are concerned it is possible that an additional sum may be required for premises owned by the Corporation. In addition, the Council may, at



discretion, meet the whole or part of the owner's or occupier's share of the cost and your Committee will deal with applications for assistance on their merits.

In appropriate cases the Council have power to meet the whole or part of the cost of adaptations required in churches, chapels and certain other buildings used by charities. Your Committee propose to exercise this power in cases where hardship would otherwise arise.

Certain classes of fireplaces installed since 1956, when the Clean Air Act was passed, and which are capable of being operated continuously without the emission of smoke are exempt from the provisions of that Act so far as they relate to smoke control areas; in general, these are fireplaces which are fired by mechanical stokers. Your Committee have made exemptions to previous Orders which have proved to be satisfactory and accordingly they recommend the exemption of certain coal-burning and wood-burning furnaces in 26 premises within the area.

The Housing Committee have requested a period of 21 months after confirmation of the Order to adapt Corporation owned houses and since it is unlikely that the Minister of Housing and Local Government would agree to a date of operation which falls within the recognised heating season, your Committee propose that the Order should become effective on 1st June, 1968.

Accordingly your Committee recommend the Council:

- (1) to make the Smoke Control Order in the form set out in the Schedule to this Report ;
- (2) to instruct the Town Clerk to make application to the Minister of Housing and Local Government for confirmation of the Order and for consent to borrow the sum of £109,494, representing the cost to be borne by your Committee; and

- (3) to instruct the Town Clerk to take all necessary steps in connection with the matter, including the affixing of the Common Seal of the Corporation to the necessary documents.

Dated this 22nd day of March, 1966.

FRANK W. WOOTTON,  
CHAIRMAN

THE CLEAN AIR ACT, 1956  
THE HOUSING ACT, 1964

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NOTTINGHAM (No. 5) SMOKE CONTROL ORDER, 1966

---

THE LORD MAYOR ALDERMEN AND CITIZENS OF THE CITY OF NOTTINGHAM AND COUNTY OF THE SAME CITY (hereinafter called "the Corporation") in exercise of the powers conferred on them by Section 11 of the Clean Air Act, 1956, as amended by the Housing Act, 1964, HEREBY MAKE the following Order:—

1. This Order may be cited as the Nottingham (No. 5) Smoke Control Order, 1966.
2. The area which is coloured green on the map prepared in duplicate, sealed with the Common Seal of the Corporation and marked "Map referred to in the Nottingham (No. 5) Smoke Control Order, 1966" is hereby declared to be a smoke control area. One copy of the said map is deposited at the Town Clerk's Office, Guildhall, Nottingham, and the other is deposited in the offices of the Ministry of Housing and Local Government.
3. The fireplaces in the area which are specified in the Schedule hereto shall be exempted from the operation of the said Section 11 upon the conditions specified in respect thereof in the said Schedule.
4. This Order shall come into operation on the first day of June, 1968.



## SCHEDULE

## FIREPLACES

| <i>Description</i>  | <i>Conditions</i>   |
|---|---|
| Ministry of Public Building & Works,<br>Chalfont Drive, Block 3.<br>(The two Sectional Water Heating<br>and one D.H.W. boiler furnaces) | The fireplace shall be so installed,<br>maintained and operated as to<br>minimise the emission of smoke.<br>No fuel shall be used other than<br>that for which the mechanical<br>stoker was designed. |
| Ministry of Public Building & Works,<br>Chalfont Drive, Block 4.<br>(The two Sectional Water Heating<br>and one D.H.W. boiler furnaces) | Do.   |
| Ministry of Public Building & Works,<br>Chalfont Drive, Block 7.<br>(The two Sectional Water Heating<br>and one D.H.W. boiler furnaces) | Do.   |
| Territorial Army Buildings,<br>Wigman Road.<br>(The Sectional Water Heating<br>boiler furnace)  | Do.   |
| City of Nottingham Ambulance Service,<br>Ambulance Depot, Beechdale Road.<br>(The Sectional Water Heating<br>boiler furnace)            | Do.   |
| City of Nottingham Transport<br>Department,<br>Bus Depot, Beechdale Road.<br>(The Vertical Steam boiler furnace)                        | Do.   |
| Glenbrook Primary Schools,<br>Wigman Road.<br>(The three Economic boiler furnaces)  | Do.   |
| Player Schools Clinic,<br>Beechdale Road.<br>(The Sectional Water Heating<br>and D.H.W. boiler furnaces)                                | Do.   |
| Player Secondary Schools,<br>Beechdale Road.<br>(The three Sectional Water Heating<br>boiler furnaces)                                  | Do.   |
| Player Junior Schools.<br>(The two Sectional Water Heating<br>and one D.H.W. boiler furnaces)   | Do.   |

## FIREPLACES

| <i>Description</i>   | <i>Conditions</i>   |
|--|---|
| Player Infants' Schools.<br>(The two Sectional Water Heating<br>and one D.H.W. boiler furnaces)        | The fireplace shall be so installed,<br>maintained and operated as to<br>minimise the emission of smoke.<br>No fuel shall be used other than<br>that for which the mechanical<br>stoker was designed. |
| Melbury Road Infants' School,<br>Melbury Road.<br>(The two Sectional Water Heating<br>boiler furnaces) | Do.   |
| The Beechdale Hotel,<br>Beechdale Road.<br>(The Sectional Water Heating<br>boiler furnace)             | Do.   |
| The Beacon Hotel,<br>Aspley Lane.<br>(The Sectional Water Heating<br>boiler furnace)                   | Do.   |
| Leyland Office Equipment Ltd.,<br>Aspley Lane.<br>(The Sectional Water Heating<br>boiler furnace)      | Do.   |
| Raywarp Textiles Ltd.,<br>Glaisdale Drive.<br>(The two Sectional Water Heating<br>boiler furnaces)     | Do.   |
| J. S. Walker (Hauliers) Ltd.,<br>Glaisdale Drive.<br>(The Sectional Water Heating<br>boiler furnace)   | Do.   |
| Watney Mann Ltd.,<br>Glaisdale Drive.<br>(The Sectional Water Heating<br>boiler furnace)               | Do.   |
| Jonee Woollies Ltd.,<br>517 Aspley Lane.<br>(The two Sectional Water Heating<br>boiler furnaces)       | Do.   |
| Geo. Wimpey & Co. Ltd.,<br>Beechdale Road.<br>(The Sectional Water Heating<br>boiler furnace)          | Do.   |



## FIREPLACES

| <i>Description</i>   | <i>Conditions</i>   |
|--|---|
| M. D. Sweeney & Palmer Ltd.,<br>Beechdale Road.<br>(The Sectional Water Heating<br>boiler furnace) | The fireplace shall be so installed,<br>maintained and operated as to<br>minimise the emission of smoke.<br>No fuel shall be used other than<br>that for which the mechanical<br>stoker was designed. |
| The N.C.B. Wollaton Colliery,<br>Bridge Road.<br>(The four Lancashire boiler furnaces)             | Do.   |
| Lovell & Christmas (Liverpool) Ltd.,<br>Glaisdale Drive.<br>(The Bacon Smoking furnace)            | The fireplace shall be so installed,<br>maintained and operated as to<br>minimise the emission of smoke.<br>No fuel shall be used other than<br>that for which the furnace was<br>designed.           |
| Arthur Richardson & Son Ltd.,<br>Lambourne Drive.<br>(The Bacon Smoking furnace)                   | Do.   |
| Turpin & Shentall Ltd.,<br>Glaisdale Drive East.<br>(The Bacon Smoking furnace)                    | Do.   |
| Nottingham Co-operative Society Ltd.,<br>Beechdale Road.<br>(The Bacon Smoking furnaces)           | Do.   |

*This report was submitted to the City Council at their meeting on the 6th June, 1966, and was adopted.*

## AS TO THE ESTABLISHMENT OF A FURTHER SMOKE CONTROL AREA

### THE HEALTH COMMITTEE

Beg to report

That former agricultural land east of Hucknall Road and close to the City's northern boundary is now being developed for housing purposes. This development will adjoin the Corporation's Bestwood Park Estate (where it is a condition of tenancy that only smokeless fuel is used), at the rear of Whitton Close and Belleville Drive. The initial development is for 500 houses and it is possible that further development will take place. The area has been surveyed and it appears that the number of premises within the area at present is 357, made up as indicated:—

|                                      |            |
|--------------------------------------|------------|
| Commercial .. .. .                   | 1          |
| Privately-owned dwelling houses ..   | 353        |
| Corporation-owned dwelling houses .. | 2          |
| Other .. .. .                        | 1          |
| <b>Total .. .. .</b>                 | <b>357</b> |

The area of the land involved, shown coloured green on the plan (not reproduced) attached to this report, is 357 acres and is bounded to the north by the City boundary, to the east by the City boundary and the rear of Whitton Close and Belleville Drive, to the south by Top Valley Farm Lane and to the west by a disused railway line running close to Hucknall Road.

Four Smoke Control Orders are already in force affecting an area of 4,924 acres and some 14,500 premises. A further Order (No. 5) was recently made by the Council which will come into force in 1968. This will affect an additional 1,569 acres and involve 7,628 further premises. These Orders cover the following areas :—



|                     |   |                                  |
|---------------------|---|----------------------------------|
| Orders Nos. 1 and 3 | — | the central area of the City;    |
| Order No. 2         | — | the City south of the Trent;     |
| Order No. 4         | — | Dunkirk and part of Wollaton;    |
| Order No. 5         | — | part of Wollaton and Bilborough. |

All the privately owned houses within the area now under consideration are already provided with fireplaces which are suitable for burning smokeless fuel, but it will be necessary to provide some form of smokeless ignition. Only 169 of these houses (that is, those built before 16th August, 1964) will, however, qualify for grant towards the cost of providing smokeless means of ignition. The two Corporation-owned houses will require conversion of fireplaces.

The estimated total cost of adaptation of appliances in the two Corporation-owned houses and of providing smokeless means of ignition in the 169 others is £1,500, i.e. £148 for the two Corporation houses and £1,352 for the remainder, based on an estimated average cost of £8 per house. Of the sum of £1,500, four-tenths, or £600 will be received by the Corporation by way of Exchequer grant. Three-tenths will be borne by the owners (including a sum of £44 8s. 0d. payable by the Corporation as owners of two houses) and the remaining three-tenths will be charged to the accounts of the Health Committee as Local Health Authority. The total cost to the Corporation will therefore be £494 8s. 0d., i.e. £450 plus £44 8s. 0d. This cost will be met from revenue.

The date of operation of the Order cannot be earlier than nine months after its submission to the Minister for confirmation and this period will allow ample time for all the necessary works to be carried out before the Order comes into force on 1st May, 1967.

Accordingly, your Committee recommend the Council:

- (1) to make the Smoke Control Order in the form set out in the Schedule to this Report; and
- (2) to instruct the Town Clerk to take all necessary steps in connection with this matter, including the affixing of the Common Seal of the Corporation to the necessary documents.

Dated this 12th day of July, 1966.

FRANK W. WOOTTON,  
CHAIRMAN

THE CLEAN AIR ACT, 1956  
THE HOUSING ACT, 1964

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NOTTINGHAM (No. 8A) SMOKE CONTROL ORDER, 1966

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The Lord Mayor, Aldermen and Citizens of the City of Nottingham and County of the same City (hereinafter called "the Corporation") in exercise of the powers conferred on them by Section 11 of the Clean Air Act, 1956, as amended by the Housing Act, 1964, hereby make the following Order:—

1. This Order may be cited as the Nottingham (No. 8A) Smoke Control Order, 1966.
2. The area which is coloured green on the map prepared in duplicate, sealed with the Common Seal of the Corporation and marked "Map referred to in the Nottingham (No. 8A) Smoke Control Order, 1966", is hereby declared to be a smoke control area. One copy of the said map is deposited at the Town Clerk's Office, Guildhall, Nottingham, and the other is deposited in the offices of the Ministry of Housing and Local Government.
3. This Order shall come into operation on the first day of May, 1967.

*This report was submitted to the City Council at their meeting on the 25th July, 1966, and was adopted.*



## AS TO CONFERENCES AND A VISIT

## THE HEALTH COMMITTEE

Beg to report

That they have considered details of a number of conferences to be held later in the year and have decided that advantage may be gained by the attendance of lay persons in addition to the attendance of officers in connection with their duties. Your Committee think that, in each case, one Member should attend each of the undermentioned conferences, and be accompanied by an appropriately qualified Officer. An estimate of cost is given in each case.

- (a) Association of Public Health Inspectors—Scarborough—19th to 23rd September, 1966—£55
- (b) Royal Society of Health International Conference at the Hague—5th to 9th September, 1966—£150
- (c) Annual Conference of the Association of Ambulance officers—Scarborough—13th to 15th September, 1966—£35
- (d) National Society for Clean Air—London—3rd to 7th October, 1966—£60
- (e) Institute of Shops Acts Administration—Llandudno—4th to 6th October, 1966—£55

Your Committee have also authorised the attendance of an Officer at the Health Visitors' Association Conference, Folkestone, during the period 13th to 15th October, 1966, the estimated cost being £30.

Your Committee have been investigating the advantages likely to accrue to the Corporation by the provision of radio telephone communication for members of the Midwifery and Home Nursing Services. Use of such equipment would avoid the kind of occurrence experienced recently when a midwife returned to her home at Clifton after attending a confinement at Bilborough

only to find that she had to return to another confinement in the Bilborough area. The expense and, more important, the time, involved in making these journeys could have been avoided if radio telephone equipment had been available. The estimated cost of purchasing such equipment is approximately £10,000 for which provision has been made during the current financial year. Certain types of radio telephone equipment have already been demonstrated to your Committee who have suggested certain modifications to suit their particular requirements. It is likely that the Company producing this equipment will have prototypes ready for demonstration by the Autumn and your Committee have been invited to attend a demonstration at the Company's works near Cambridge. The expenditure involved in such a visit is estimated to be approximately £20.

Your Committee recommend the Council to authorise the expenditure involved in attendance of delegates at the meetings mentioned above and the visit to Cambridge by Members of the Committee, accompanied by the appropriate Officers.

Dated this 12th day of July, 1966.

FRANK W. WOOTTON,  
CHAIRMAN

*This report was submitted to the City Council at their meeting on the 25th July, 1966, and was adopted.*



## COST OF HEALTH SERVICES

| SERVICE   | ACTUAL COST<br>Year ended 31st March, 1966 |                                     |                   |                                      |                          |                             | ESTIMATED COST<br>Year ended 31st March, 1967  |                          |                             |
|---|--|-------------------------------------|-------------------|--------------------------------------|--------------------------|-----------------------------|--|--------------------------|-----------------------------|
|   | Gross expenditure                          | Income other than Government Grants | Government Grants | Net expenditure to be met from Rates | Equivalent Rate poundage | Cost per head of population | Estimated net expenditure to be met from Rates | Equivalent Rate poundage | Cost per head of population |
|   | £  | £                                   | £                 | £                                    | s. d.                    | s. d.                       | £  | s. d.                    | s. d.                       |
| Administration (not charged to other services) .. | 12,691                                     | 4,867                               | —                 | 7,824                                | .13                      | 6.04                        | 19,899   | .33                      | 1 3.39                      |
| Public Health Inspection and other services ..    | 67,159                                     | 2,251                               | —                 | 64,908                               | 1.12                     | 4 2.09                      | 69,931   | 1.17                     | 4 6.09                      |
| Health Centres ..                                 | 1,742                                      | 710                                 | —                 | 1,032                                | .02                      | .80                         | 20,199   | .35                      | 1 3.62                      |
| Maternal and Child Health ..                      | 125,846                                    | 17,749                              | —                 | 108,097                              | 1.86                     | 6 11.42                     | 111,012  | 1.86                     | 7 1.87                      |
| Midwifery ..                                      | 92,971                                     | 3,666                               | —                 | 89,305                               | 1.54                     | 5 8.92                      | 95,788   | 1.61                     | 6 2.09                      |
| Health Visiting ..                                | 56,604                                     | 444                                 | 200               | 55,960                               | .96                      | 3 7.19                      | 61,471   | 1.03                     | 3 11.55                     |
| Home Nursing ..                                   | 97,294                                     | 2,374                               | —                 | 94,920                               | 1.63                     | 6 1.25                      | 98,682   | 1.65                     | 6 4.33                      |
| Vaccination and Immunisation                      | 14,259                                     | 534                                 | —                 | 13,725                               | .24                      | 10.59                       | 13,363   | .22                      | 10.34                       |
| Ambulance ..                                      | 136,301                                    | 879                                 | —                 | 135,422                              | 2.33                     | 8 8.51                      | 141,919  | 2.38                     | 9 1.77                      |
| Prevention of Illness, Care and After-Care ..     | 48,915                                     | 2,661                               | —                 | 46,254                               | .80                      | 2 11.69                     | 55,836   | .94                      | 3 7.19                      |
| Mental Health ..                                  | 72,302                                     | 2,903                               | —                 | 69,399                               | 1.19                     | 4 5.56                      | 78,811   | 1.32                     | 5 0.96                      |
| Home Help ..                                      | 137,764                                    | 10,273                              | —                 | 127,491                              | 2.19                     | 8 2.39                      | 141,313  | 2.37                     | 9 1.30                      |
| Other expenses ..                                 | 362  | —                                   | —                 | 362                                  | .01                      | .28                         | 605  | .01                      | .47                         |
| TOTAL ..  | 864,210                                    | 49,311                              | 200               | 814,699                              | 1 2.02                   | 52 4.73                     | 908,829  | 1 3.24                   | 58 6.97                     |

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## READER'S NOTES









