

TABLE 20.—The influence of chlorine poisoning upon the composition of the urine  
Dog No. 1

| Date  | Body weight | Urine  |                  |                |                    |                |                |                          |                     |                   |                    |            | Remarks |           |      |
|---|-------------|--------|------------------|----------------|--------------------|----------------|----------------|--------------------------|---------------------|-------------------|--------------------|------------|---------|-----------|------|
|   |             | Volume | Specific gravity | P <sub>H</sub> | Titratable acidity | "Organic acid" | Total nitrogen | NH <sub>3</sub> nitrogen | Creatinine nitrogen | Creatine nitrogen | Uric acid nitrogen | Phosphates |         | Chlorides |      |
| 1917  | Kilos       | c. c.  |                  |                |                    | c. c.          | c. c.          | gm.                      | mgm.                | mgm.              | mgm.               | mgm.       | mgm.    | mgm.      | mgm. |
| NORMAL (BEFORE GASSING)                         |             |        |                  |                |                    |                |                |                          |                     |                   |                    |            |         |           |      |
| July 23   | -----       | 96     | 1.064            | 6.9            | 57                 | -----          | 3.25           | 136                      | 181                 | 0                 | 13                 | 528        | 900     |           |      |
| 24  | -----       | 76     | 1.029            | 6.0            | 31                 | -----          | 2.55           | 131                      | 186                 | 0                 | 12                 | 58         | 81      |           |      |
| 25  | 16.0        | 55     | 1.049            | 6.0            | 44                 | -----          | 2.84           | 176                      | 166                 | 0                 | 17                 | 127        | 53      |           |      |
| 26  | -----       | 67     | 1.043            | 5.9            | 65                 | -----          | 3.28           | 202                      | 156                 | 0                 | 15                 | 187        | 31      |           |      |
| 27  | -----       | 66     | 1.044            | 6.0            | 49                 | -----          | 3.17           | 176                      | 152                 | 0                 | 14                 | 142        | 33      |           |      |
| AFTER FIRST GASSING                             |             |        |                  |                |                    |                |                |                          |                     |                   |                    |            |         |           |      |
| [1.47 mgm. per liter for one-half hour Aug. 6]  |             |        |                  |                |                    |                |                |                          |                     |                   |                    |            |         |           |      |
| Aug. 6  | 15.6        | 82     | 1.072            | 6.5            | 84                 | -----          | 4.31           | 163                      | 147                 | 0                 | 22                 | 391        | 120     |           |      |
| 7   | -----       | 93     | 1.046            | 6.1            | 62                 | -----          | 4.67           | 307                      | 152                 | 96                | 20                 | 214        | 640     |           |      |
| 8   | -----       | 61     | 1.047            | 5.9            | 51                 | -----          | 2.28           | 149                      | 130                 | 39                | 17                 | 146        | 635     |           |      |
| 9   | -----       | 39     | 1.063            | 5.9            | 61                 | -----          | 1.54           | 75                       | 131                 | 3                 | 14                 | 192        | 125     |           |      |
| 10  | 16.2        | 45     | 1.042            | 5.9            | 37                 | -----          | 2.10           | 146                      | 120                 | 4                 | 13                 | 113        | 58      |           |      |
| 11  | 15.6        | -----  | -----            | -----          | -----              | -----          | -----          | -----                    | -----               | -----             | -----              | -----      | -----   |           |      |
| AFTER SECOND GASSING                            |             |        |                  |                |                    |                |                |                          |                     |                   |                    |            |         |           |      |
| [2.08 mgm. per liter for one-half hour Aug. 27] |             |        |                  |                |                    |                |                |                          |                     |                   |                    |            |         |           |      |
| Aug. 27   | 16.7        | 304    | 1.023            | 6.3            | 127                | -----          | 6.00           | 272                      | 172                 | 141               | 50                 | 589        | 165     | Protein.  |      |
| 28  | -----       | 406    | 1.016            | 5.7            | 74                 | -----          | 4.13           | 298                      | 156                 | 175               | 58                 | 271        | 2,016   |           |      |
| 29  | -----       | 108    | 1.032            | 5.6            | 89                 | -----          | 2.93           | 230                      | 157                 | 48                | 35                 | 274        | 150     |           |      |
| 30  | -----       | 73     | 1.043            | 5.8            | 80                 | -----          | 2.86           | 196                      | 148                 | 14                | 31                 | 257        | 144     |           |      |
| 31  | -----       | 58     | 1.053            | 5.8            | 77                 | -----          | 2.23           | 131                      | 139                 | 3                 | 22                 | 247        | 150     |           |      |
| NORMAL (BEFORE THIRD GASSING)                   |             |        |                  |                |                    |                |                |                          |                     |                   |                    |            |         |           |      |
| Oct. 9  | 17.0        | 94     | 1.044            | 6.0            | 94                 | -----          | 3.87           | 188                      | 159                 | 62                | 25                 | 346        | 68      |           |      |
| 10  | -----       | 101    | 1.047            | 6.3            | 89                 | -----          | 3.74           | 123                      | 159                 | 43                | 23                 | 372        | 163     |           |      |
| 11  | -----       | 95     | 1.047            | 6.1            | 97                 | -----          | 3.47           | 135                      | 159                 | 68                | 20                 | 379        | 343     |           |      |
| 12  | -----       | 99     | 1.042            | 6.4            | 86                 | -----          | 3.11           | 116                      | 155                 | 59                | 18                 | 355        | 386     |           |      |
| 13  | -----       | 82     | 1.044            | 6.6            | 70                 | -----          | 2.57           | 121                      | 154                 | 53                | 17                 | 387        | 286     |           |      |
| AFTER THIRD GASSING                             |             |        |                  |                |                    |                |                |                          |                     |                   |                    |            |         |           |      |
| [2.05 mgm. per liter for one-half hour Oct. 22] |             |        |                  |                |                    |                |                |                          |                     |                   |                    |            |         |           |      |
| Oct. 22   | 16.0        | -----  | -----            | -----          | -----              | -----          | -----          | -----                    | -----               | -----             | -----              | -----      | -----   |           |      |
| 23  | -----       | 166    | 1.034            | 6.6            | 49                 | -----          | 4.40           | 105                      | 131                 | 90                | 25                 | 398        | 160     |           |      |
| 24  | -----       | 150    | 1.038            | 6.2            | 81                 | -----          | 4.71           | 298                      | 149                 | 202               | 27                 | 368        | 858     |           |      |
| 25  | -----       | 114    | 1.040            | 6.1            | 67                 | -----          | 3.47           | 200                      | 130                 | 102               | 21                 | 266        | 1,253   |           |      |
| 26  | -----       | 74     | 1.050            | 6.1            | 67                 | -----          | 3.03           | 84                       | 128                 | 10                | 22                 | 307        | 90      |           |      |
| 27  | -----       | 77     | 1.041            | 6.1            | 64                 | -----          | 2.96           | 153                      | 115                 | 0                 | 17                 | 272        | 19      |           |      |
| NORMAL (BEFORE FOURTH GASSING)                  |             |        |                  |                |                    |                |                |                          |                     |                   |                    |            |         |           |      |
| Nov. 27   | -----       | 76     | 1.054            | 5.6            | 81                 | 17             | 2.94           | 162                      | 143                 | 25                | 18                 | 319        | 73      | Protein.  |      |
| 28  | -----       | 91     | 1.040            | 5.5            | 76                 | 3              | 2.98           | 163                      | 143                 | 45                | 17                 | 322        | 63      | Do.       |      |
| 29  | -----       | 71     | 1.042            | 5.4            | 76                 | 12             | 2.72           | 136                      | 144                 | 50                | 14                 | 288        | 48      | Do.       |      |
| 30  | -----       | 65     | 1.048            | 5.8            | 74                 | 18             | 2.55           | 62                       | 145                 | 17                | 14                 | 298        | 92      | Do.       |      |
| Dec. 1  | -----       | 79     | 1.040            | 5.7            | 58                 | 10             | 2.57           | 102                      | 148                 | 11                | 16                 | 247        | 59      |           |      |
| AFTER FOURTH GASSING                            |             |        |                  |                |                    |                |                |                          |                     |                   |                    |            |         |           |      |
| [2.69 mgm. per liter for one-half hour Dec. 10] |             |        |                  |                |                    |                |                |                          |                     |                   |                    |            |         |           |      |
| Dec. 10   | 16.8        | -----  | -----            | -----          | -----              | -----          | -----          | -----                    | -----               | -----             | -----              | -----      | -----   |           |      |
| 11  | -----       | 154    | 1.060            | 6.4            | 103                | 32             | 7.53           | 232                      | 181                 | 129               | 29                 | 723        | 159     | Protein.  |      |
| 12  | -----       | 418    | 1.022            | 5.9            | 122                | 39             | 6.23           | 503                      | 177                 | 288               | 29                 | 411        | 2,000   | Do.       |      |
| 13  | -----       | 122    | 1.050            | 5.7            | 127                | 58             | 5.42           | 395                      | 148                 | 162               | 29                 | 344        | 1,200   |           |      |
| 14  | -----       | 105    | 1.039            | 5.5            | 77                 | 24             | 3.86           | 236                      | 139                 | 63                | 24                 | 228        | 155     |           |      |
| 15  | 15.0        | 84     | 1.039            | 5.4            | 59                 | 19             | 3.20           | 197                      | 139                 | 6                 | 23                 | 199        | 11      |           |      |