

TABLE X.

Mean Astronomical time of the Upper Transit of Polaris, 1872.

| Days of Month. | JAN.    | FEB.    | MARCH.  | APRIL.   | MAY.     | JUNE.    | JULY.    | AUGUST.  | SEPT.    | OCT.     | NOV.     | DEC.    |
|----------------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|---------|
| 1              | 6 23 15 | 4 25 54 | 2 31 31 | 0 29 28  | 22 27 41 | 20 26 27 | 18 28 35 | 16 27 9  | 14 25 37 | 12 27 51 | 10 25 57 | 8 27 47 |
| 2              | 21 19   | 21 57   | 27 35   | 25 32    | 23 45    | 22 12    | 24 40    | 23 14    | 21 42    | 23 55    | 22 1     | 23 50   |
| 3              | 20 22   | 18 1    | 23 33   | 21 36    | 19 50    | 18 17    | 20 45    | 19 19    | 17 46    | 20 0     | 18 5     | 19 54   |
| 4              | 16 25   | 14 4    | 19 42   | 17 49    | 15 54    | 14 22    | 16 50    | 15 23    | 13 51    | 16 4     | 14 9     | 15 57   |
| 5              | 12 29   | 10 7    | 15 46   | 13 44    | 11 59    | 10 26    | 12 55    | 11 23    | 9 55     | 12 8     | 10 13    | 12 1    |
| 6              | 8 32    | 6 10    | 11 49   | 9 48     | 8 4      | 6 31     | 9 0      | 7 33     | 6 0      | 8 12     | 6 16     | 8 4     |
| 7              | 4 35    | 2 14    | 7 53    | 5 52     | 4 8      | 2 36     | 5 5      | 3 38     | 2 5      | 4 16     | 2 20     | 4 7     |
| 8              | 0 38    | 3 53 17 | 3 56    | 0 1 56 1 | 0 13     | 19 58 41 | 1 10     | 15 59 43 | 13 58 9  | 0 20     | 9 58 24  | 0 11    |
| 9              | 5 56 41 | 51 20   | 0 0     | 23 58 1  | 21 53 17 | 54 46    | 17 57 15 | 55 48    | 54 14    | 11 56 25 | 54 28    | 7 56 14 |
| 10             | 52 44   | 50 23   | 0 4     | 23 54 5  | 52 22    | 50 51    | 53 20    | 51 53    | 50 18    | 52 29    | 50 32    | 52 17   |
| 11             | 48 47   | 46 27   | 5 2     | 46 13    | 48 27    | 46 56    | 49 25    | 47 57    | 46 23    | 48 33    | 46 35    | 48 21   |
| 12             | 44 50   | 42 30   | 48 11   | 42 17    | 44 31    | 43 1     | 45 30    | 44 2     | 42 27    | 44 37    | 42 39    | 44 24   |
| 13             | 40 51   | 38 33   | 44 15   | 38 22    | 40 36    | 39 6     | 41 35    | 40 7     | 38 32    | 40 41    | 38 43    | 40 27   |
| 14             | 36 57 0 | 34 37   | 40 18   | 34 23    | 36 41    | 35 11    | 37 40    | 36 12    | 34 36    | 36 45    | 34 46    | 36 31   |
| 15             | 33 0    | 30 40   | 36 22   | 30 30    | 32 46    | 31 16    | 33 45    | 32 17    | 30 41    | 32 49    | 30 50    | 32 34   |
| 16             | 29 3    | 26 43   | 32 26   | 26 35    | 28 59    | 27 21    | 29 50    | 28 21    | 26 45    | 28 51    | 26 54    | 28 37   |
| 17             | 25 6    | 22 47   | 28 30   | 22 39    | 24 55    | 23 23    | 25 55    | 24 26    | 22 50    | 21 53    | 22 57    | 21 40   |
| 18             | 21 9    | 18 50   | 24 33   | 18 43    | 21 0     | 19 31    | 22 0     | 20 31    | 18 54    | 21 2     | 19 1     | 21 44   |
| 19             | 17 13   | 14 53   | 20 37   | 14 47    | 17 4     | 15 36    | 18 5     | 16 36    | 14 59    | 17 6     | 15 5     | 16 47   |
| 20             | 13 16   | 10 57   | 16 41   | 10 52    | 13 9     | 11 40    | 14 10    | 12 41    | 11 3     | 13 10    | 11 8     | 12 50   |
| 21             | 9 19    | 7 0     | 12 45   | 6 56     | 9 14     | 7 45     | 10 15    | 8 45     | 7 8      | 9 14     | 7 12     | 8 53    |
| 22             | 5 22    | 3 4     | 8 48    | 3 1      | 5 19     | 3 50     | 6 20     | 4 50     | 3 12     | 5 18     | 3 15     | 4 57    |
| 23             | 1 25    | 3 7     | 4 52    | 3 5      | 1 23     | 5 55     | 2 25     | 0 55     | 12 59 16 | 1 22     | 8 59 19  | 1 0     |
| 24             | 4 57 29 | 55 10   | 0 56    | 22 59 5  | 20 57 28 | 56 0     | 16 58 29 | 14 57 0  | 55 21    | 10 57 26 | 55 22    | 6 57 8  |
| 25             | 53 32   | 51 14   | 0 56    | 55 9     | 53 33    | 52 5     | 54 34    | 53 4     | 51 25    | 53 30    | 51 26    | 53 7    |
| 26             | 49 35   | 47 17   | 53 4    | 47 18    | 49 38    | 48 10    | 50 39    | 49 9     | 47 29    | 49 34    | 47 29    | 49 10   |
| 27             | 45 38   | 43 21   | 49 8    | 43 23    | 45 43    | 44 15    | 46 44    | 45 14    | 43 34    | 45 38    | 43 33    | 45 13   |
| 28             | 41 41   | 39 21   | 45 12   | 39 27    | 41 48    | 40 20    | 42 49    | 41 18    | 39 38    | 41 42    | 39 36    | 41 16   |
| 29             | 37 45   | 35 23   | 41 16   | 35 32    | 37 52    | 36 25    | 38 54    | 37 23    | 35 43    | 37 46    | 35 40    | 37 20   |
| 30             | 33 48   | .....   | 37 20   | 31 37    | 33 57    | 32 30    | 34 59    | 33 28    | 31 47    | 33 50    | 31 43    | 33 23   |
| 31             | 29 51   | .....   | 33 24   | .....    | 30 2     | .....    | 31 4     | 29 32    | .....    | 29 51    | .....    | 29 26   |