

TABLE B.7

Critical Values of Chi-Square ( $\chi^2$ )

| Level of Significance |       |        |
|-----------------------|-------|--------|
| df                    | .05   | .01    |
| 1                     | 3.84  | 6.64   |
| 2                     | 5.99  | 9.21   |
| 3                     | 7.81  | 11.34  |
| 4                     | 9.49  | 13.28  |
| 5                     | 11.07 | 15.09  |
| 6                     | 12.59 | 16.81  |
| 7                     | 14.07 | 18.48  |
| 8                     | 15.51 | 20.09  |
| 9                     | 16.92 | 21.67  |
| 10                    | 18.31 | 23.21  |
| 11                    | 19.68 | 24.72  |
| 12                    | 21.03 | 26.22  |
| 13                    | 22.36 | 27.69  |
| 14                    | 23.68 | 29.14  |
| 15                    | 25.00 | 30.58  |
| 16                    | 26.30 | 32.00  |
| 17                    | 27.59 | 33.41  |
| 18                    | 28.87 | 34.80  |
| 19                    | 30.14 | 36.19  |
| 20                    | 31.41 | 37.47  |
| 21                    | 32.67 | 38.93  |
| 22                    | 33.92 | 40.29  |
| 23                    | 35.17 | 41.64  |
| 24                    | 36.42 | 42.98  |
| 25                    | 37.65 | 44.31  |
| 26                    | 38.88 | 45.64  |
| 27                    | 40.11 | 46.96  |
| 28                    | 41.34 | 48.28  |
| 29                    | 42.56 | 49.59  |
| 30                    | 43.77 | 50.89  |
| 40                    | 55.76 | 63.69  |
| 50                    | 67.50 | 76.15  |
| 60                    | 79.08 | 88.38  |
| 70                    | 90.53 | 100.42 |

Source: From Table IV of R. A. Fisher and F. Yates, *Statistical Tables for Biological, Agricultural and Medical Research*, 6th ed. London: Longman Group Ltd., 1974 (previously published by Oliver and Boyd Ltd., Edinburgh). Reprinted with permission of Addison Wesley Longman Ltd.