

## New Open Star Clusters

by

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### ABSTRACT

A list of open clusters not registered in the *Catalogue of Star Clusters and Associations* is given. The clusters were found on the charts of the Palomar Sky Atlas.

The examination of the charts of the National Geographic Society — Palomar Sky Atlas reveals several open clusters — mainly faint ones — not registered in the *Catalogue of Star Clusters and Associations* and in its *Supplements* (Alter *et al.* 1958—1965). They are presented in the Table below containing the successive columns: 1) Number, 2) Right ascension for 1950, 3) Declination for 1950, 4) Palomar Chart number, 5) Coordinates of its center, 6) rectangular coordinates of cluster (in millimetres measured from the lower left corner of the corresponding chart, 7) The angular diameter of cluster in minutes of arc, 8) Number of stars.

### REFERENCES

- |                                              |      |                                                                                                                   |
|----------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------|
| Alter, G., Ruprecht, J., Vanysek, V. . . . . | 1958 | „Catalogue of Star Clusters and Associations” (Publishing House of the Czechoslovak Academy of Sciences, Prague). |
| Alter, G., <i>et al.</i> . . . . .           | 1959 | <i>Supplement 1, Appendix to BAC, 10, No 1.</i>                                                                   |
| . . . . .                                    | 1960 | <i>Supplement 2, Appendix to BAC, 11, No 1.</i>                                                                   |
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Table 1.  
New open clusters.

| 1  | 2                                 | 3       | 4                            | 5                                   | 6                            | 7  | 8    |
|----|-----------------------------------|---------|------------------------------|-------------------------------------|------------------------------|----|------|
| 1  | 0 <sup>h</sup> 05 <sup>m</sup> .1 | +61°08' | 0-1233                       | +60° 0 <sup>h</sup> 00 <sup>m</sup> | 167 207                      | 9' | 51   |
| 2  | 0 40.8                            | +59 53  | 0- 596                       | +60 0 44                            | 230 139                      | 10 | 128  |
| 3  | 1 00.0                            | +62 32  | 0- 596                       | +60 0 44                            | 108 279                      | 3  | 13   |
| 4  | 1 32.0                            | +61 11  | 0-1240                       | +60 1 28                            | 185 212                      | 3  | 8    |
| 5  | 1 51.6                            | +61 05  | 0-1240                       | +60 1 28                            | 57 211                       | 8  | 50   |
| 6  | 1 58.4                            | +62 38  | 0- 597                       | +60 2 12                            | 299 296                      | 3  | 33   |
| 7  | 1 58.8                            | +62 01  | 0- 597                       | +60 2 12                            | 296 264                      | 5  | 29   |
| 8  | 2 29.3                            | +58 31  | 0- 597                       | +60 2 12                            | 102 74                       | 7  | 57   |
| 9  | 2 29.9                            | +59 40  | 0- 597                       | +60 2 12                            | 100 134                      | 6  | 38   |
| 10 | 2 30.1                            | +59 58  | 0- 597                       | +60 2 12                            | 99 150                       | 3  | 29   |
| 11 | 2 32.1                            | +59 25  | 0- 597                       | +60 2 12                            | 79 122                       | 8  | 26   |
| 12 | 2 35.6                            | +54 43  | 0-1617                       | +54 2 32                            | 193 192                      | 3  | 27   |
| 13 | 2 40.8                            | +62 08  | { 0- 597<br>0- 968           | { +60 2 12<br>+60 2 56              | { 39 270<br>314 275}         | 6  | 48   |
| 14 | 3 13.0                            | +58 25  | 0- 968                       | +60 2 56                            | 102 72                       | 7  | 37   |
| 15 | 3 19.5                            | +52 04  | 0-1231                       | +54 3 10                            | 149 53                       | 3  | 33   |
| 16 | 3 27.1                            | +52 29  | 0-1231                       | +54 3 10                            | 86 75                        | 9  | 49   |
| 17 | 3 48.1                            | +61 51  | 0- 957                       | +60 3 40                            | 171 256                      | 5  | 22   |
| 18 | 4 24.8                            | +30 49  | 0-1454                       | +30 4 20                            | 187 207                      | 10 | 47   |
| 19 | 4 53.9                            | +28 42  | 0-1314                       | +30 4 46                            | 150 94                       | 18 | 83   |
| 20 | 5 16.6                            | +39 25  | 0- 668                       | +42 5 00                            | 67 31                        | 18 | 325  |
| 21 | 5 23.1                            | +35 57  | 0-1315                       | +36 5 08                            | 73 169                       | 9  | 156  |
| 22 | 5 45.3                            | +30 12  | 0-1459                       | +30 5 38                            | 153 184                      | 8  | 50   |
| 23 | 5 46.5                            | +28 55  | 0-1459                       | +30 5 38                            | 138 115                      | 6  | 40   |
| 24 | 5 52.2                            | +20 52  | { 0- 416<br>0- 427<br>0-1494 | { +24 5 38<br>+18 5 36<br>+18 6 00  | { 62 3<br>36 326<br>337 331} | 6  | 68   |
| 25 | 6 10.4                            | +07 00  | 0- 229                       | +06 6 00                            | 95 229                       | 7  | 44   |
| 26 | 6 28.3                            | -04 11  | 0- 943                       | -06 6 24                            | 177 276                      | 5  | 35   |
| 27 | 7 00.5                            | +06 29  | 0- 929                       | +06 6 48                            | 73 206                       | 5  | 42   |
| 28 | 7 18.0                            | -00 56  | 0-1491                       | 00 7 12                             | 139 132                      | 10 | 74   |
| 29 | 7 26.0                            | -15 18  | { 0- 647<br>0-1619           | { -18 7 12<br>-12 7 12              | { 44 329<br>51 7}            | 8  | 215  |
| 30 | 7 28.9                            | -09 52  | { 0-1619<br>0-1521           | { -12 7 12<br>-12 7 36              | { 11 300<br>327 304}         | 3  | 50   |
| 31 | 7 34.6                            | -20 23  | 0- 683                       | -18 7 36                            | 240 55                       | 9  | 39   |
| 32 | 7 48.4                            | -29 42  | SE- 62                       | -30 7 48                            | 198 200                      | 5  | 50   |
| 33 | 10 05.6                           | +12 35  | E- 74                        | +12 10 00                           | 161 229                      | 11 | 1000 |
| 34 | 11 10.8                           | +22 34  | E-1353                       | +24 11 16                           | 294 125                      | 8  | 138  |
| 35 | 13 33.1                           | +41 12  | E- 154                       | +42 13 30                           | 184 158                      | 8  | 61   |
| 36 | 15 55.9                           | +35 39  | E- 71                        | +36 15 52                           | 167 172                      | 3  | 49   |
| 37 | 17 50.1                           | -27 21  | SO- 90                       | -30 17 46                           | 180 320                      | 3  | 48   |
| 38 | 18 47.2                           | +04 52  | 0- 264                       | +06 18 48                           | 242 107                      | 14 | 220  |
| 39 | 19 05.1                           | +04 13  | 0- 202                       | +06 19 12                           | 326 69                       | 7  | 60   |
| 40 | 19 40.4                           | +21 04  | { 0- 185<br>0- 190           | { +24 19 30<br>+18 19 36            | { 93 6<br>169 324}           | 5  | 61   |
| 41 | 19 48.5                           | +25 02  | 0- 289                       | +24 19 56                           | 308 221                      | 9  | 67   |
| 42 | 22 37.9                           | +59 37  | 0- 874                       | +60 22 44                           | 236 129                      | 3  | 28   |
| 43 | 23 23.5                           | +61 02  | 0-1173                       | +60 23 28                           | 229 204                      | 14 | 106  |
| 44 | 23 31.2                           | +61 38  | 0-1173                       | +60 23 28                           | 179 236                      | 6  | 22   |
| 45 | 23 53.8                           | +64 16  | 0- 555                       | +66 00 00                           | 238 55                       | 3  | 38   |

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