

### Problem Correlation Between the 3<sup>rd</sup> and 4<sup>th</sup> Preliminary Editions of Armstrong GOB

The table below lists all of the problems in the 4<sup>th</sup> preliminary edition and the corresponding problems in the 3<sup>rd</sup> edition. I have not noted minor changes in wording and corrections of typographic errors if they did not affect the solution to the problem. **NOTE:** There are no changes to the problems in chapters 1 through 6, 11, 12, and appendix A (other than corrections of minor typos). The most extensive changes are in chapters 13, 14, 15 and 17.

| Problems in the 4 <sup>th</sup> edition | Corresponding problems in the 3 <sup>rd</sup> edition                                       |
|---|---|
| 1.1 through 1.110                       | 1.1 through 1.110   |
| 2.1 through 2.86                        | 2.1 through 2.86  |
| 3.1 through 3.90                        | 3.1 through 3.90  |
| 4.1 through 4.90                        | 4.1 through 4.90  |
| 5.1 through 5.186                       | 5.1 through 5.186   |
| 6.1 through 6.126                       | 6.1 through 6.126   |
| 7.1 through 7.70                        | 7.1 through 7.70  |
| 7.71 through 7.74                       | revised versions of 7.71 through 7.74   |
| 7.75 through 7.154                      | 7.75 through 7.154  |
| 8.1 through 8.76                        | 8.1 through 8.76  |
| 8.77                                    | combined 8.77 and 8.88  |
| 8.78                                    | <i>none (new problem)</i>   |
| 8.79                                    | combined 8.79 and 8.80  |
| 8.80                                    | <i>none (new problem)</i>   |
| 8.81 through 8.106                      | 8.81 through 8.106  |
| 9.1 through 9.12                        | 9.1 through 9.12  |
| 9.13 through 9.16                       | <i>none (new problems)</i>  |
| 9.17 through 9.44                       | 9.13 through 9.40   |
| 9.45 through 9.50                       | <i>none (new problems)</i>  |
| 9.51 through 9.78                       | 9.41 through 9.68   |
| 10.1 through 10.32                      | 10.1 through 10.32  |
| 10.33                                   | revised version of 10.33  |
| 10.34 through 10.38                     | 10.34 through 10.38   |
| 10.39 through 10.40                     | <i>none (new problems)</i>  |
| 10.41 through 10.80                     | 10.39 through 10.78   |
| 11.1 through 11.118                     | 11.1 through 11.118   |
| 12.1 through 12.96                      | 12.1 through 12.96  |
| 13.1                                    | 13.1  |
| 13.2 through 13.3                       | revised versions of 13.2 through 13.3   |
| 13.4                                    | 13.4  |
| 13.5 through 13.6                       | <i>none (new problems)</i>  |
|   | <i>13.5 through 13.6 in the 3<sup>rd</sup> edition do not appear in the 4<sup>th</sup>.</i> |
| 13.7 through 13.10                      | 13.7 through 13.10  |
| 13.11                                   | <i>none (new problem)</i>   |
| 13.12 through 13.41                     | 13.11 through 13.40   |
|   | <i>13.41 in the 3<sup>rd</sup> edition does not appear in the 4<sup>th</sup>.</i>           |

| <b>Problems in the 4<sup>th</sup> edition</b> | <b>Corresponding problems in the 3<sup>rd</sup> edition</b>                                   |
|---|---|
| 13.42 through 13.47                           | 13.42 through 13.47   |
|   | <i>13.48 through 13.55 in the 3<sup>rd</sup> edition do not appear in the 4<sup>th</sup>.</i> |
| 13.48 through 13.56                           | 13.56 through 13.64   |
| 13.57 through 13.60                           | revised versions of 13.65 through 13.68   |
| 13.61 through 13.64                           | <i>none (new problems)</i>  |
| 13.65 through 13.75                           | 13.73 through 13.83   |
| 13.76   | <i>revised version of 13.84</i>   |
| 13.77 through 13.124                          | 13.85 through 13.132  |
| 13.125 through 13.126                         | <i>none (new problems)</i>  |
|   | <i>13.133 through 13.142 in the 3<sup>rd</sup> ed'n do not appear in the 4<sup>th</sup>.</i>  |
| 13.127 through 13.128                         | 13.143 through 13.144   |
| 13.129  | revised version of 13.145   |
| 13.130  | <i>none (new problem)</i>   |
|   | <i>13.146 in the 3<sup>rd</sup> edition does not appear in the 4<sup>th</sup>.</i>            |
| 13.131 through 13.140                         | 13.147 through 13.156   |
| 14.1 through 14.2                             | 14.1 through 14.2   |
|   | <i>14.3 in the 3<sup>rd</sup> edition does not appear in the 4<sup>th</sup>.</i>              |
| 14.3 through 14.10                            | 14.4 through 14.11  |
|   | <i>14.12 in the 3<sup>rd</sup> edition does not appear in the 4<sup>th</sup>.</i>             |
| 14.11   | 14.13   |
| 14.12   | revised version of 14.14  |
| 14.13   | <i>none (new problem)</i>   |
| 14.14 through 14.15                           | 14.15 through 14.16   |
| 14.16   | revised version of 14.17  |
| 14.17 through 14.58                           | 14.18 through 14.59   |
|   | <i>14.60 through 14.62 in the 3<sup>rd</sup> edition do not appear in the 4<sup>th</sup>.</i> |
| 14.59 through 14.68                           | 14.63 through 14.72   |
| 14.69   | revised version of 14.73  |
| 14.70 through 14.122                          | 14.74 through 14.126  |
| 14.123 through 14.124                         | revised versions of 14.127 through 14.128   |
| 14.125 through 14.134                         | 14.129 through 14.138   |
| 14.135 through 14.136                         | <i>none (new problems)</i>  |
| 14.137 through 14.142                         | 14.139 through 14.144   |
|   | <i>14.145 through 14.146 in the 3<sup>rd</sup> ed'n do not appear in the 4<sup>th</sup>.</i>  |
| 14.143 through 14.166                         | 14.147 through 14.170   |
| 15.1 through 15.2                             | 15.1 through 15.2   |
| 15.3  | revised version of 15.3   |
| 15.4  | 15.4  |
| 15.5  | revised version of 15.5   |
| 15.6  | 15.6  |
| 15.7 through 15.8                             | <i>none (new problems)</i>  |
| 15.9 through 15.10                            | 15.7 through 15.8   |
|   | <i>15.9 in the 3<sup>rd</sup> edition does not appear in the 4<sup>th</sup>.</i>              |
| 15.11   | <i>none (new problem)</i>   |

| <b>Problems in the 4<sup>th</sup> edition</b> | <b>Corresponding problems in the 3<sup>rd</sup> edition</b>                                   |
|---|---|
| 15.12 through 15.17                           | 15.10 through 15.15   |
| 15.18   | <i>none (new problem)</i>   |
| 15.19   | revised version of 15.16  |
| 15.20 through 15.24                           | 15.17 through 15.21   |
| 15.25   | 15.24   |
| 15.26 through 15.27                           | 15.22 through 15.23   |
| 15.28 through 15.58                           | 15.25 through 15.55   |
| 15.59   | combined 15.56 and 15.57  |
| 15.60 through 15.64                           | 15.58 through 15.62   |
| 15.65   | revised version of 15.63  |
| 15.66 through 15.72                           | 15.64 through 15.70   |
| 15.73 through 15.74                           | revised versions of 15.71 through 15.72   |
| 15.75 through 15.130                          | 15.73 through 15.128  |
| 15.131  | revised version of 15.131   |
| 15.132 through 15.146                         | 15.130 through 15.144   |
| 16.1 through 16.7                             | 16.1 through 16.7   |
| 16.8 through 16.9                             | <i>none (new problems)</i>  |
| 16.10 through 16.35                           | 16.8 through 16.33  |
|   | <i>16.34 in the 3<sup>rd</sup> edition does not appear in the 4<sup>th</sup>.</i>             |
| 16.36 through 16.58                           | 16.35 through 16.57   |
|   | <i>16.58 in the 3<sup>rd</sup> edition does not appear in the 4<sup>th</sup>.</i>             |
| 16.59 through 16.134                          | 16.59 through 16.134  |
| 17.1 through 17.17                            | 17.1 through 17.17  |
| 17.18   | 17.24   |
| 17.19 through 17.21                           | <i>none (new problems)</i>  |
| 17.22 through 17.23                           | revised versions of 17.25 through 17.26   |
| 17.24 through 17.26                           | <i>none (new problems)</i>  |
| 17.27   | 17.18   |
| 17.28   | <i>none (new problem)</i>   |
| 17.29 through 17.33                           | 17.19 through 17.23   |
| 17.34   | <i>none (new problem)</i>   |
|   | <i>17.27 through 17.30 in the 3<sup>rd</sup> edition do not appear in the 4<sup>th</sup>.</i> |
| 17.35 through 17.40                           | 17.31 through 17.36   |
| 17.41   | <i>none (new problem)</i>   |
|   | <i>17.37 in the 3<sup>rd</sup> edition does not appear in the 4<sup>th</sup>.</i>             |
| 17.42 through 17.44                           | 17.38 through 17.40   |
| 17.45   | revised version of 17.41  |
|   | <i>17.42 in the 3<sup>rd</sup> edition does not appear in the 4<sup>th</sup>.</i>             |
| 17.46   | 17.43   |
|   | <i>17.44 in the 3<sup>rd</sup> edition does not appear in the 4<sup>th</sup>.</i>             |
| 17.47 through 17.50                           | 17.45 through 17.48   |
| 17.51   | <i>none (new problem)</i>   |
| 17.52   | 17.49   |
|   | <i>17.50 in the 3<sup>rd</sup> edition does not appear in the 4<sup>th</sup>.</i>             |

| <b>Problems in the 4<sup>th</sup> edition</b> | <b>Corresponding problems in the 3<sup>rd</sup> edition</b>                                 |
|---|---|
| 17.53 through 17.62                           | 17.51 through 17.60   |
| 17.63 through 17.64                           | <i>none (new problems)</i>  |
| 17.65 through 17.72                           | 17.61 through 17.68   |
| 17.73 through 17.74                           | <i>none (new problems)</i>  |
| 17.75 through 17.90                           | 17.69 through 17.84   |
|   | <i>17.85 and 17.86 in the 3<sup>rd</sup> edition do not appear in the 4<sup>th</sup>.</i>   |
| 17.91 through 17.94                           | 17.87 through 17.90   |
| 17.95 through 17.98                           | <i>none (new problems)</i>  |
| 17.99 through 17.100                          | 17.91 through 17.92   |
| 17.101 through 17.102                         | <i>none (new problems)</i>  |
| 17.103 through 17.107                         | 17.93 through 19.79   |
| 17.108  | <i>none (new problem)</i>   |
| 17.109  | 17.98   |
| 17.110  | <i>none (new problem)</i>   |
| 17.111 through 17.122                         | 17.99 through 17.110  |
|   | <i>17.111 and 17.112 in the 3<sup>rd</sup> edition do not appear in the 4<sup>th</sup>.</i> |
| 17.123 through 17.128                         | 17.113 through 17.118   |
|   | <i>17.119 and 17.120 in the 3<sup>rd</sup> edition do not appear in the 4<sup>th</sup>.</i> |
| 17.129 through 17.130                         | <i>none (new problems)</i>  |
| A.1 through A.18                              | A.1 through A.18  |
| B.1   | B.1   |
| B.2 through B.5                               | <i>none (new problems)</i>  |
| B.6 through B.11                              | B.2 through B.7   |