

# **DIAMOND DX CLUB**

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# **WABA DIRECTORY 2003**

1 January 2003

**ARGENTINA**

|       |  |  |         |         |        |
|-------|--|--|---------|---------|--------|
| LU-01 | Alf3rez de Navi3 Mar3a Sobral Base (Army) <sup>1</sup>         | Filchner Ice Shelf   | 81°04 S | 40°31 W | AN-016 |
| LU-02 | Almirante Brown Station (IAA) <sup>2</sup>                     | Coughtrey Peninsula, Paradise Harbour, Danco Coast, Graham Land (West), Antarctic Peninsula      | 64°53 S | 62°53 W | AN-016 |
| LU-19 | Byers Camp (IAA)   | Byers Peninsula, Livingston Island, South Shetland Islands                                       | 62°39 S | 61°00 W | AN-010 |
| LU-04 | Decepci3n Detachment (Navy) <sup>3</sup>                       | Primero de Mayo Bay, Port Foster, Deception Island, South Shetland Islands                       | 62°59 S | 60°43 W | AN-010 |
| LU-07 | Ellsworth Station <sup>4</sup>                                 | Filchner Ice Shelf   | 77°38 S | 41°08 W | AN-016 |
| LU-06 | Esperanza Base (Army) <sup>5</sup>                             | Seal Point, Hope Bay, Trinity Peninsula (Antarctic Peninsula)                                    | 63°24 S | 56°59 W | AN-016 |
| LU-   | Francisco de Gurruchaga Refuge (Navy) <sup>6</sup>             | Harmony Cove, Nelson Island, South Shetland Islands  | 62°18 S | 59°13 W | AN-010 |
| LU-10 | General Manuel Belgrano Base (Army) <sup>7</sup>               | Filchner Ice Shelf   | 77°46 S | 38°11 W | AN-016 |
| LU-08 | General Manuel Belgrano II Base (Army) <sup>8</sup>            | Bertrab Nunatak, Vahsel Bay, Luitpold Coast, Coats Land  | 77°52 S | 34°37 W | AN-016 |
| LU-09 | General Manuel Belgrano III Base (Army) <sup>9</sup>           | Berkner Island, Filchner-Ronne Ice Shelves   | 77°34 S | 45°59 W | AN-014 |
| LU-11 | General San Mart3n Base (Army) <sup>10</sup>                   | Barry Island in Marguerite Bay, along Falli3res Coast of Graham Land (West), Antarctic Peninsula | 68°07 S | 67°06 W | AN-016 |
| LU-21 | Groussac Refuge (Navy) <sup>11</sup>                           | Petermann Island, off Graham Coast of Graham Land (West); Antarctic Peninsula                    | 65°11 S | 64°10 W | AN-006 |
| LU-05 | Melchior Detachment (Navy) <sup>12</sup>                       | Isla Observatorio in Melchior Harbour, Melchior Islands, Palmer Archipelago                      | 64°20 S | 62°59 W | AN-012 |
| LU-14 | Orcadas del Sur Detachment (Navy) <sup>13</sup>                | between Uruguay Cove and Scotia Bay, Laurie Island, South Orkney Islands                         | 60°45 S | 44°43 W | AN-008 |
| LU-12 | Petrel Station (Navy) <sup>14</sup>                            | Welchness, Dundee Island, off the tip of Trinity Peninsula (Antarctic Peninsula)                 | 63°28 S | 56°17 W | AN-013 |
| LU-13 | Primavera Base (Army) <sup>15</sup>                            | Cierva Point, Hughes Bay, Danco Coast, Graham Land (West); Antarctic Peninsula                   | 64°09 S | 60°57 W | AN-016 |
| LU-18 | Scientific Camp  | Livingston Island, South Shetland Islands  | 62°51 S | 60°49 W | AN-010 |
| LU-   | Teniente Ballv3 Refuge (Navy) <sup>16</sup>                    | Ardley Island in Maxwell Bay, King George Island, South Shetland Islands                         | 62°12 S | 58°54 W | AN-010 |
| LU-16 | Teniente Benjamin Matienzo Base (Air Force) <sup>17</sup>      | Larsen Nunatak, Larsen Ice Shelf   | 64°58 S | 60°04 W | AN-016 |
| LU-17 | Teniente de Navi3 Juan C3mara Detachment (Navy) <sup>18</sup>  | Half Moon Island in Moon Bay, Livingston Island, South Shetland Islands                          | 62°36 S | 59°54 W | AN-010 |
| LU-15 | Teniente Jubany Station (IAA) <sup>19</sup>                    | Potter Cove, King George Island, South Shetland Islands  | 62°14 S | 58°40 W | AN-010 |
| LU-03 | Viccomodoro Gustavo A. Marambio Base (Air Force) <sup>20</sup> | Seymour Island, off the east side of Trinity Peninsula (Antarctic Peninsula)                     | 64°14 S | 56°38 W | AN-013 |
| LU-20 | DELETED <sup>21</sup>  | -  | -       | -       | -      |

**AUSTRALIA**<sup>22</sup>

|       |                                     |   |         |          |        |
|-------|-------------------------------------|---|---------|----------|--------|
| VK-01 | Amery                               | Amery Ice Shelf   | 69°28 S | 71°25 E  | AN-016 |
| VK-02 | Casey Station <sup>23</sup>         | Bailey Peninsula, Vincennes Bay, Budd Coast, Wilkes Land                              | 66°17 S | 110°32 E | AN-016 |
| VK-03 | Davis Station <sup>24</sup>         | Breidnes Peninsula, Vestfold Hills, Ingrid Christensen Coast, Princess Elizabeth Land | 68°35 S | 77°58 E  | AN-016 |
| VK-   | Edgeworth David Base                | Bunger Hills, Knox Coast, Wilkes Land   | 66°15 S | 100°37 E | AN-016 |
| VK-   | Law Base                            | Broknes Peninsula, Larsemann Hills, Ingrid Christensen Coast, Princess Elizabeth Land | 69°23 S | 76°22 E  | AN-016 |
| VK-04 | Mawson Station <sup>25</sup>        | Horseshoe Harbour, Holme Bay, Mawson Coast, Mac Robertson Land                        | 67°36 S | 62°52 E  | AN-016 |
| VK-05 | Wilkes Station <sup>26</sup>        | Stonehocker Point, Clark Peninsula, Vincennes Bay, Budd Coast, Wilkes Land            | 66°15 S | 110°31 E | AN-016 |
| VK-06 | TEMPORARILY WITHDRAWN <sup>27</sup> | –   | –       | –        | –      |

**BELGIUM**

|       |                                 |  |         |         |        |
|-------|---------------------------------|--|---------|---------|--------|
| ON-01 | Roi Baudouin Base <sup>28</sup> | Princess Ragnhild Coast, Queen Maud Land | 70°26 S | 24°19 E | AN-016 |
|-------|---------------------------------|--|---------|---------|--------|

**BRAZIL**<sup>29</sup>

|       |   |   |         |         |        |
|-------|---|---|---------|---------|--------|
| PY-03 | Astrônomo Cruls Refuge <sup>30</sup>    | Nelson Island, South Shetland Islands                                       | 62°14 S | 58°59 W | AN-010 |
| PY-01 | Comandante Ferraz Station <sup>31</sup> | Keller Peninsula, Admiralty Bay, King George Island, South Shetland Islands | 62°05 S | 58°23 W | AN-010 |
| PY-   | Emilio Goeldi Refuge <sup>32</sup>      | Elephant Island, South Shetland Islands                                     | 61°05 S | 55°20 W | AN-010 |
| PY-02 | Hardy Point Camp                        | Greenwich Island, South Shetland Islands                                    | 62°30 S | 59°45 W | AN-010 |
| PY-04 | Padre Rambo Refuge <sup>33</sup>        | Fildes Peninsula, King George Island, South Shetland Islands                | 62°10 S | 58°58 W | AN-010 |

**BULGARIA**

|       |   |  |         |         |        |
|-------|---|--|---------|---------|--------|
| LZ-02 | St. Kliment Ohridski Base <sup>34</sup> | Bulgarian Beach, Livingston Island, South Shetland Islands | 62°38 S | 60°21 W | AN-010 |
| LZ-01 | DELETED <sup>35</sup>                   | –  | –       | –       | –      |

**CHILE**

|       |  |  |         |         |                   |
|-------|--|--|---------|---------|-------------------|
| CE-   | 11 de septiembre Refuge (Army)   | Eyrie Bay, Trinity Peninsula (Antarctic Peninsula)                             | 63°37 S | 57°30 W | AN-016            |
| CE-   | Antonio Huneeus Gana Base (INACH)  | Patriot Hills, Ellsworth Mountains, Ellsworth Land                             | 80°05 S | 81°16 W | AN-016            |
| CE-   | Ardley Refuge <sup>36</sup>  | Ardley Island in Maxwell Bay, King George Island, South Shetland Islands       | 62°13 S | 58°54 W | AN-010            |
| CE-   | Bahía Yankee Refuge  | Yankee Harbour, Greenwich Island, South Shetland Islands                       | 62°32 S | 59°48 W | AN-010            |
| CE-   | Cabo Gutiérrez Vargas  | Deception Island, South Shetland Islands                                       | 62°57 S | 60°35 W | AN-010            |
| CE-01 | Capitán Arturo Prat Base (Navy) <sup>37</sup>                            | Guesalaga Peninsula, Discovery Bay, Greenwich Island, South Shetland Islands   | 62°30 S | 59°41 W | AN-010            |
| CE-   | Comodoro Federico Guesalaga Toro Refuge (Navy)                           | Avian Island, off Fallières Coast of Graham Land (West), Antarctic Peninsula   | 67°45 S | 68°54 W | TBA <sup>38</sup> |
| CE-   | Dr. Guillermo Mann Refuge (Punta Spring Refuge) (INACH)                  | Spring Point, Hughes Bay, Danco Coast, Graham Land (West), Antarctic Peninsula | 64°17 S | 61°04 W | AN-016            |
| CE-   | General Ramón Cañas Montalva Sub-base (Army) <sup>39</sup>               | Duse Bay, Trinity Peninsula (Antarctic Peninsula)                              | 63°32 S | 57°23 W | AN-016            |
| CE-10 | Julio Ripamonti Base (INACH) <sup>40</sup>                               | Ardley Island in Maxwell Bay, King George Island, South Shetland Islands       | 62°12 S | 58°53 W | AN-010            |
| CE-02 | Libertador General Bernardo O'Higgins Riquelme Base (Army) <sup>41</sup> | Schmidt Peninsula, Cape Legoupil, Trinity Peninsula (Antarctic Peninsula)      | 63°19 S | 57°54 W | AN-016            |
| CE-   | Luis Risopatrón Base (Coppermine Refuge) (INACH) <sup>42</sup>           | Coppermine Cove, Robert Island, South Shetland Islands                         | 62°22 S | 59°39 W | AN-010            |
| CE-03 | Presidente Eduardo Frei Montalva Base (Air Force) <sup>43</sup>          | Fildes Peninsula, King George Island, South Shetland Islands                   | 62°11 S | 58°55 W | AN-010            |
| CE-04 | Presidente Gabriel González Videla Base (Air Force) <sup>44</sup>        | Paradise Harbour, Danco Coast, Graham Land (West), Antarctic Peninsula         | 64°49 S | 62°51 W | AN-016            |
| CE-05 | Presidente Pedro Aguirre Cerda Base (Air Force) <sup>45</sup>            | Pendulum Cove, Port Foster, Deception Island, South Shetland Islands           | 62°56 S | 60°36 W | AN-010            |
| CE-11 | Profesor Julio Escudero Base (INACH) <sup>46</sup>                       | Fildes Peninsula, King George Island, South Shetland Islands                   | 62°12 S | 58°57 W | AN-010            |
| CE-09 | Shirreff Camp (INACH) <sup>47</sup>                                      | Cape Shirreff, Livingston Island, South Shetland Islands                       | 62°27 S | 60°47 W | AN-010            |
| CE-   | Teniente Arturo Parodi Alister Station (Air Force) <sup>48</sup>         | Patriot Hills, Ellsworth Mountains, Ellsworth Land                             | 80°18 S | 81°20 W | AN-016            |
| CE-07 | Teniente Luis Carvajal Villaroel (Air Force) <sup>49</sup>               | Adelaide Island, off Loubet Coast of Graham Land (West), Antarctic Peninsula   | 67°45 S | 68°55 W | AN-001            |
| CE-06 | Teniente Rodolfo Marsh Martin (Air Force) <sup>50</sup>                  | Fildes Peninsula, King George Island, South Shetland Islands                   | 62°11 S | 58°59 W | AN-010            |
| CE-08 | Yelcho Sub-base (INACH)  | South Bay, Doumer Island, Palmer Archipelago                                   | 64°52 S | 63°35 W | TBA <sup>51</sup> |

**CHINA**

|       |                                  |   |         |         |        |
|-------|----------------------------------|---|---------|---------|--------|
| BY-   | Zhongshan Station <sup>52</sup>  | Broknes Peninsula, Larsemann Hills,<br>Ingrid Christensen Coast, Princess<br>Elizabeth Land | 69°22 S | 76°22 E | AN-016 |
| BY-01 | Great Wall Station <sup>53</sup> | Fildes Peninsula, King George Island,<br>South Shetland Islands                             | 62°13 S | 58°58 W | AN-010 |

**ECUADOR**

|     |   |   |         |         |        |
|-----|---|---|---------|---------|--------|
| HC- | Pedro Vicente Maldonado Station <sup>54</sup> | Canto Point, Discovery Bay, Greenwich<br>Island, South Shetland Islands       | 62°27 S | 59°42 W | AN-010 |
| HC- | República del Ecuador Refuge <sup>55</sup>    | Point Hennequin, Admiralty Bay, King<br>George Island, South Shetland Islands | 62°08 S | 58°24 W | AN-010 |

**FEDERAL REPUBLIC OF GERMANY<sup>56</sup>**

|       |   |  |         |          |        |
|-------|---|--|---------|----------|--------|
| DL-05 | Ardley Station <sup>57</sup>                | Ardley Island in Maxwell Bay, King<br>George Island, South Shetland Islands  | 62°13 S | 58°54 W  | AN-010 |
| DL-   | Drescher Camp                               | Drescher Inlet, Riiser-Larsen Ice Shelf                                      | 72°53 S | 19°10 W  | AN-016 |
| DL-   | Eduard Dallmann Laboratory <sup>58</sup>    | Potter Cove, King George Island, South<br>Shetland Islands                   | 62°14 S | 58°40 W  | AN-010 |
| DL-   | GARS <sup>59</sup>                          | Schmidt Peninsula, Cape Legoupil,<br>Trinity Peninsula (Antarctic Peninsula) | 63°19 S | 57°54 W  | AN-016 |
| DL-04 | Georg Forster Station <sup>60</sup>         | Schirmacher Oasis, Princess Astrid<br>Coast, Queen Maud Land                 | 70°46 S | 11°51 E  | AN-016 |
| DL-01 | Georg von Neumayer Station I <sup>61</sup>  | Atka Iceport, Ekström Ice Shelf  | 70°35 S | 08°21 W  | AN-016 |
| DL-03 | Georg von Neumayer Station II <sup>62</sup> | Atka Iceport, Ekström Ice Shelf  | 70°39 S | 08°15 W  | AN-016 |
| DL-06 | Gondwana Station <sup>63</sup>              | Terra Nova Bay, Scott Coast, Victoria<br>Land                                | 74°38 S | 164°13 E | AN-016 |
| DL-   | Heinz Kohnen Station <sup>64</sup>          | Amundsenisen, Queen Maud Land  | 75°00 S | 00°04 E  | AN-016 |
| DL-   | Lillie-Marleen Hut <sup>65</sup>            | Lillie-Marleen-Sporn, Pennell Coast,<br>Victoria Land                        | 71°12 S | 164°31 E | AN-016 |
| DL-02 | DELETED <sup>66</sup>                       | —  | —       | —        | —      |

**FINLAND**

|     |                            |   |         |         |        |
|-----|----------------------------|---|---------|---------|--------|
| OH- | Aboa Station <sup>67</sup> | Basen Nuntak, Vestfjella, Princess<br>Martha Coast, Queen Maud Land | 73°03 S | 13°25 W | AN-016 |
|-----|----------------------------|---|---------|---------|--------|

**FRANCE**

|      |                                       |   |         |          |        |
|------|---------------------------------------|---|---------|----------|--------|
| F-   | Cap Prud'homme Sub-base <sup>68</sup> | Cape André Prud'homme, Adélie Coast (Terre Adélie), Wilkes Land | 66°41 S | 139°55 E | AN-016 |
| F-   | Charcot Station <sup>69</sup>         | Inland from Adélie Coast (Terre Adélie), Wilkes Land            | 69°22 S | 139°01 E | AN-016 |
| F-01 | Dumont d'Urville Base <sup>70</sup>   | Petrel Island, off Adélie Coast (Terre Adélie), Wilkes Land     | 66°40 S | 140°00 E | AN-017 |
| F-   | Port Martin Base <sup>71</sup>        | Cape Margerie, Adélie Coast (Terre Adélie), Wilkes Land         | 66°49 S | 141°24 E | AN-016 |

**GERMAN DEMOCRATIC REPUBLIC<sup>72</sup>**

|      |                                     |   |         |         |        |
|------|-------------------------------------|---|---------|---------|--------|
| Y-01 | Georg Forster Station <sup>73</sup> | Schirmacher Oasis, Princess Astrid Coast, Queen Maud Land | 70°46 S | 11°51 E | AN-016 |
|------|-------------------------------------|---|---------|---------|--------|

**INDIA**

|       |  |   |         |         |        |
|-------|--|---|---------|---------|--------|
| VU-01 | Dakshin Gangotri Station <sup>74</sup> | Nivlisen, Princess Astrid Coast, Queen Maud Land          | 70°05 S | 12°00 E | AN-016 |
| VU-03 | India Bay Camp                         | Nivlisen, Princess Astrid Coast, Queen Maud Land          | 69°56 S | 11°54 E | AN-016 |
| VU-02 | Maitri Station <sup>75</sup>           | Schirmacher Oasis, Princess Astrid Coast, Queen Maud Land | 70°46 S | 11°44 E | AN-016 |

**ITALY**

|      |                                       |   |         |          |        |
|------|---------------------------------------|---|---------|----------|--------|
| I-01 | Baia Terra Nova Station <sup>76</sup> | Terra Nova Bay, Scott Coast, Victoria Land  | 74°41 S | 164°07 E | AN-016 |
| I-02 | Giacomo Bove Hut <sup>77</sup>        | Italia Valley, Ezcurra Inlet, Admiralty Bay, King George Island, South Shetland Islands | 62°10 S | 58°30 W  | AN-010 |

**JAPAN**

|       |                                 |  |         |         |        |
|-------|---------------------------------|--|---------|---------|--------|
| JA-03 | Asuka Station <sup>78</sup>     | Inland from Breid Bay, Princess Ragnhild Coast, Queen Maud Land                | 71°32 S | 24°08 E | AN-016 |
| JA-   | Dome Fuji Station <sup>79</sup> | East Antarctic Plateau, inland from Prince Harald Coast                        | 77°19 S | 39°42 E | AN-016 |
| JA-01 | Mizuho Station <sup>80</sup>    | Mizuho Plateau, inland from Prince Olav Coast, Queen Maud Land                 | 70°42 S | 44°20 E | AN-016 |
| JA-02 | Syowa Station <sup>81</sup>     | East Ongul Island in Lützow-Holm Bay, off Prince Harald Coast, Queen Maud Land | 69°00 S | 39°35 E | AN-015 |

**KOREA**

|       |                                   |   |         |         |        |
|-------|-----------------------------------|---|---------|---------|--------|
| HL-01 | King Sejong Station <sup>82</sup> | Barton Peninsula, King George Island,<br>South Shetland Islands | 62°13 S | 58°47 W | AN-010 |
|-------|-----------------------------------|---|---------|---------|--------|

**NEW ZEALAND**

|       |                                     |  |         |          |        |
|-------|-------------------------------------|--|---------|----------|--------|
| ZL-   | Bratina Island Huts <sup>83</sup>   | Bratina Island, Ross Ice Shelf   | 78°01 S | 165°32 E | AN-016 |
| ZL-   | Cape Bird Hut                       | McDonald Beach, Ross Island, McMurdo<br>Sound                            | 77°14 S | 166°28 E | AN-011 |
| ZL-   | Cape Evans Huts <sup>84</sup>       | Ross Island, McMurdo Sound   | 77°38 S | 166°24 E | AN-011 |
| ZL-   | Cape Roberts Huts <sup>85</sup>     | Granite Harbour, Scott Coast, Victoria<br>Land                           | 77°02 S | 163°12 E | AN-016 |
| ZL-   | Cape Royds Hut <sup>86</sup>        | Ross Island, McMurdo Sound   | 77°38 S | 166°10 E | AN-011 |
| ZL-   | Lake Vanda Huts <sup>87</sup>       | Wright Valley, Victoria Land   | 77°31 S | 161°40 E | AN-016 |
| ZL-   | Lower Wright Refuge <sup>88</sup>   | To the west of the Wright Lower Glacier,<br>Wright Valley, Victoria Land | 77°26 S | 162°37 E | AN-016 |
| ZL-02 | Scott Base <sup>89</sup>            | Pram Point, Ross Island, McMurdo<br>Sound                                | 77°51 S | 166°45 E | AN-011 |
| ZL-01 | DELETED <sup>90</sup>               | –  | –       | –        | –      |
| ZL-03 | TEMPORARILY WITHDRAWN <sup>91</sup> | –  | –       | –        | –      |
| ZL-04 | DELETED <sup>92</sup>               | –  | –       | –        | –      |

**NORWAY**

|       |                                     |  |         |          |        |
|-------|-------------------------------------|--|---------|----------|--------|
| LA-03 | Blue Fields Camp                    | Luitpold Coast, Coats Land                                 | 77°30 S | 34°12 W  | AN-016 |
| LA-06 | Ellsworth Mountains                 | Ellsworth Land   | 80°00 S | 82°00 W  | AN-016 |
| LA-01 | Evaodden Camp <sup>93</sup>         | Cape Eva, Peter I Island                                   | 68°42 S | 90°37 W  | AN-004 |
| LA-08 | Norway 5                            | Sverdrup Mountains, Queen Maud Land                        | 72°15 S | 00°10 W  | AN-016 |
| LA-07 | Norway Station                      | Princess Martha Coast, Queen Maud<br>Land                  | 70°30 S | 02°32 W  | AN-016 |
| LA-05 | Queen Maud Land                     | Princess Martha Coast                                      | 73°45 S | 14°45 W  | AN-016 |
| LA-04 | Terra Nova Bay                      | Scott Coast, Victoria Land                                 | 75°00 S | 164°00 E | AN-016 |
| LA-   | Tor Station <sup>94</sup>           | Svarthamaren, Mühlig-Hofmann<br>Mountains, Queen Maud Land | 71°53 S | 05°09 E  | AN-016 |
| LA-   | Troll Station <sup>95</sup>         | Jutulsessen, Gjelsvik Mountains, Queen<br>Maud Land        | 72°00 S | 02°32 E  | AN-016 |
| LA-02 | TEMPORARILY WITHDRAWN <sup>96</sup> | –  | –       | –        | –      |

**PERU**

|       |                                    |   |         |         |        |
|-------|------------------------------------|---|---------|---------|--------|
| OA-01 | Machu Picchu Station <sup>97</sup> | Mackellar Inlet, Admiralty Bay, King<br>George Island, South Shetland Islands | 62°05 S | 58°28 W | AN-010 |
|-------|------------------------------------|---|---------|---------|--------|

**POLAND**

|       |   |   |         |          |        |
|-------|---|---|---------|----------|--------|
| SP-   | Antoni B. Dobrowolski Station <sup>98</sup> | Bunger Hills, Knox Coast, Wilkes Land                                   | 66°16 S | 100°45 E | AN-016 |
| SP-01 | Henryk Arctowski Station <sup>99</sup>      | Rakusa Point, Admiralty Bay, King George Island, South Shetland Islands | 62°09 S | 58°28 W  | AN-010 |

**RUSSIAN FEDERATION<sup>100</sup>**

|       |                                 |   |         |          |        |
|-------|---------------------------------|---|---------|----------|--------|
| UA-04 | Bellingshausen <sup>101</sup>   | Fildes Peninsula, King George Island, South Shetland Islands                          | 62°12 S | 58°58 W  | AN-010 |
| UA-02 | Druzhnaya-3 <sup>102</sup>      | Princess Martha Coast, Queen Maud Land  | 71°06 S | 10°49 W  | AN-016 |
| UA-14 | Druzhnaya-4 <sup>103</sup>      | Landing Bluff, Sandefjord Ice Bay, Ingrid Christensen Coast, Princess Elizabeth Land  | 69°44 S | 73°43 E  | AN-016 |
| UA-13 | Komsomolskaya <sup>104</sup>    | East Antarctic Plateau, inland from Queen Mary Coast                                  | 74°06 S | 97°30 E  | AN-016 |
| UA-07 | Mirny <sup>105</sup>            | Mirny Peninsula, Queen Mary Coast   | 66°33 S | 93°01 E  | AN-016 |
| UA-06 | Molodezhnaya <sup>106</sup>     | Thala Hills, Alasheyev Bight, Enderby Land  | 67°40 S | 45°51 E  | AN-016 |
| UA-08 | Novolazarevskaya <sup>107</sup> | Schirmacher Oasis, Princess Astrid Coast, Queen Maud Land                             | 70°46 S | 11°50 E  | AN-016 |
| UA-12 | Pionerskaya <sup>108</sup>      | Inland from Queen Mary Coast  | 69°44 S | 95°30 E  | AN-016 |
| UA-03 | Progress <sup>109</sup>         | Broknes Peninsula, Larsemann Hills, Ingrid Christensen Coast, Princess Elizabeth Land | 69°22 S | 76°23 E  | AN-016 |
| UA-10 | Vostok <sup>110</sup>           | East Antarctic Plateau, inland from Knox Coast  | 78°28 S | 106°48 E | AN-016 |
| UA-11 | Vostok-1 <sup>111</sup>         | East Antarctic Plateau, inland from Queen Mary Coast                                  | 72°09 S | 96°34 E  | AN-016 |
| UA-01 | DELETED <sup>112</sup>          | –   | –       | –        | –      |
| UA-05 | DELETED <sup>113</sup>          | –   | –       | –        | –      |
| UA-09 | DELETED <sup>114</sup>          | –   | –       | –        | –      |

**SOUTH AFRICA**

|       |  |  |         |         |        |
|-------|--|--|---------|---------|--------|
| ZS-   | Borga Field Base <sup>115</sup>        | Borg Massif, Queen Maud Land                 | 73°00 S | 04°00 W | AN-016 |
| ZS-04 | E-Base (aka Echo Base) <sup>116</sup>  | Fimbul Ice Shelf                             | 70°18 S | 02°24 W | AN-016 |
| ZS-01 | SANAE I-III <sup>117</sup>             | Fimbul Ice Shelf                             | 70°18 S | 02°24 W | AN-016 |
| ZS-03 | SANAE IV (aka Vesles) <sup>118</sup>   | Vesleskarvet, Ahlmann Ridge, Queen Maud Land | 71°40 S | 02°51 W | AN-016 |
| ZS-02 | Sarie Marais Field Base <sup>119</sup> | Grunehogna, Ahlmann Ridge, Queen Maud Land   | 72°01 S | 02°48 W | AN-016 |



**SPAIN**

|       |   |   |         |         |        |
|-------|---|---|---------|---------|--------|
| EA-03 | Gabriel de Castilla Base <sup>120</sup> | Port Foster, Deception Island, South Shetland Islands     | 62°58 S | 60°40 W | AN-010 |
| EA-01 | Juan Carlos I Base <sup>121</sup>       | Hurd Peninsula, Livingston Island, South Shetland Islands | 62°39 S | 60°23 W | AN-010 |
| EA-02 | DELETED <sup>122</sup>                  | —   | —       | —       | —      |

**SWEDEN**

|       |                             |   |         |         |        |
|-------|-----------------------------|---|---------|---------|--------|
| SM-02 | Kirwanveggen Camp           | Queen Maud Land   | 74°05 S | 06°17 W | AN-016 |
| SM-04 | Svea Station <sup>123</sup> | Scharffenbergbotnen, Heimefront Range, Queen Maud Land            | 74°35 S | 11°13 W | AN-016 |
| SM-03 | Sweden Camp                 | Ekström Ice Shelf   | 70°36 S | 08°22 W | AN-016 |
| SM-01 | Wasa Station <sup>124</sup> | Basen Nunatak, Vestfjella, Princess Martha Coast, Queen Maud Land | 73°03 S | 13°25 W | AN-016 |

**UKRAINE**

|       |   |   |         |         |        |
|-------|---|---|---------|---------|--------|
| UR-01 | Akademik Vernadsky Station <sup>125</sup> | Marina Point, Galindez Island, Argentine Islands, off Graham Coast of Graham Land (West), Antarctic Peninsula | 65°15 S | 64°16 W | AN-006 |
|-------|---|---|---------|---------|--------|

**UNION OF SOVIET SOCIALIST REPUBLICS<sup>126</sup>**

|      |                                 |   |         |          |        |
|------|---------------------------------|---|---------|----------|--------|
| U-04 | Bellingshausen <sup>127</sup>   | Fildes Peninsula, King George Island, South Shetland Islands                          | 62°12 S | 58°58 W  | AN-010 |
| U-01 | Druzhnaya-1 <sup>128</sup>      | Filchner Ice Shelf  | 77°34 S | 40°13 W  | AN-016 |
| U-02 | Druzhnaya-3 <sup>129</sup>      | Princess Martha Coast, Queen Maud Land  | 71°06 S | 10°49 W  | AN-016 |
| U-13 | Komsomolskaya <sup>130</sup>    | East Antarctic Plateau, inland from Queen Mary Coast                                  | 74°06 S | 97°30 E  | AN-016 |
| U-05 | Leningradskaya <sup>131</sup>   | Oates Coast   | 69°30 S | 159°23 E | AN-016 |
| U-07 | Mirny <sup>132</sup>            | Mirny Peninsula, Queen Mary Coast   | 66°33 S | 93°01 E  | AN-016 |
| U-06 | Molodezhnaya <sup>133</sup>     | Thala Hills, Alasheyev Bight, Enderby Land  | 67°40 S | 45°51 E  | AN-016 |
| U-08 | Novolazarevskaya <sup>134</sup> | Schirmacher Oasis, Princess Astrid Coast, Queen Maud Land                             | 70°46 S | 11°50 E  | AN-016 |
| U-12 | Pionerskaya <sup>135</sup>      | Inland from Queen Mary Coast  | 69°44 S | 95°30 E  | AN-016 |
| U-03 | Progress <sup>136</sup>         | Broknes Peninsula, Larsemann Hills, Ingrid Christensen Coast, Princess Elizabeth Land | 69°22 S | 76°23 E  | AN-016 |
| U-09 | Russkaya <sup>137</sup>         | Cape Burks, Ruppert Coast, Marie Byrd Land  | 74°46 S | 136°51 W | AN-016 |
| U-10 | Vostok <sup>138</sup>           | East Antarctic Plateau, inland from Knox Coast  | 78°28 S | 106°48 E | AN-016 |
| U-11 | Vostok-1 <sup>139</sup>         | East Antarctic Plateau, inland from Queen Mary Coast                                  | 72°09 S | 96°34 E  | AN-016 |

**UNITED KINGDOM<sup>140</sup>**

|      |  |   |         |         |        |
|------|--|---|---------|---------|--------|
| G-   | Blaiklock Island Refuge <sup>141</sup>       | Blaiklock Island, along Loubet Coast of Graham Land (West), Antarctic Peninsula                               | 67°32 S | 67°12 W | AN-016 |
| G-   | Damoy Point Hut <sup>142</sup>               | Dorian Bay, Wiencke Island, Palmer Archipelago  | 64°49 S | 63°31 W | AN-012 |
| G-   | Rasmussen Hut <sup>143</sup>                 | Rasmussen Island in Waddington Bay, along Graham Coast of Graham Land (West), Antarctic Peninsula             | 65°15 S | 64°06 W | AN-016 |
| G-   | Sky-Blu Camp <sup>144</sup>                  | Ellsworth Land  | 74°58 S | 70°46 W | AN-016 |
| G-20 | Smith  | Smith Island, South Shetland Islands  | 62°59 S | 62°32 W | AN-010 |
| G-09 | Station A - Port Lockroy <sup>145</sup>      | Goudier Island in Port Lockroy, Wiencke Island, Palmer Archipelago  | 64°49 S | 63°30 W | AN-012 |
| G-10 | Station B - Deception Island <sup>146</sup>  | Whalers Bay, Port Foster, Deception Island, South Shetland Islands  | 62°59 S | 60°34 W | AN-010 |
| G-11 | Station C - Cape Geddes <sup>147</sup>       | Cape Geddes, Ferguslie Peninsula, Laurie Island, South Orkney Islands   | 60°41 S | 44°34 W | AN-008 |
| G-12 | Station D - Hope Bay <sup>148</sup>          | Hope Bay, Trinity Peninsula (Antarctic Peninsula)   | 63°24 S | 56°59 W | AN-016 |
| G-03 | Station E - Stonington Island <sup>149</sup> | Stonington Island in Marguerite Bay, off Fallières Coast of Graham Land (West), Antarctic Peninsula           | 68°11 S | 67°00 W | AN-001 |
| G-04 | Station F - Faraday <sup>150</sup>           | Marina Point, Galindez Island, Argentine Islands, off Graham Coast of Graham Land (West), Antarctic Peninsula | 65°15 S | 64°16 W | AN-006 |
| G-18 | Station F - Wordie House <sup>151</sup>      | Winter Island, Argentine Islands, off Graham Coast of Graham Land (West), Antarctic Peninsula                 | 65°15 S | 64°16 W | AN-006 |
| G-13 | Station G - Admiralty Bay <sup>152</sup>     | Keller Peninsula, Admiralty Bay, King George Island, South Shetland Islands                                   | 62°05 S | 58°25 W | AN-010 |
| G-05 | Station H - Signy <sup>153</sup>             | Factory Cove, Borge Bay, Signy Island, South Orkney Islands   | 60°43 S | 45°36 W | AN-008 |
| G-   | Station J - Prospect Point <sup>154</sup>    | Prospect Point, Ferin Head, Graham Coast, Graham Land (West), Antarctic Peninsula                             | 66°00 S | 65°21 W | AN-016 |
| G-19 | Station KG - Fossil Bluff <sup>155</sup>     | Fossil Bluff, Alexander Island, off Palmer Land (West), Antarctic Peninsula                                   | 71°20 S | 68°17 W | AN-018 |
| G-14 | Station O - Danco Island <sup>156</sup>      | Danco Island in Errera Channel, off Danco Coast of Graham Land (West), Antarctic Peninsula                    | 64°44 S | 62°36 W | AN-012 |
| G-07 | Station R - Rothera <sup>157</sup>           | Rothera Point, Adelaide Island, off Loubet Coast of Graham Land (West), Antarctic Peninsula                   | 67°34 S | 68°08 W | AN-001 |
| G-01 | Station T - Adelaide <sup>158</sup>          | Adelaide Island, off Loubet Coast of Graham Land (West), Antarctic Peninsula                                  | 67°46 S | 68°55 N | AN-001 |
| G-   | Station W - Detaille Island <sup>159</sup>   | Detaille Island in Lallemand Fjord, off Loubet Coast of Graham Land (West), Antarctic Peninsula               | 66°52 S | 66°48 W | AN-001 |
| G-15 | Station Y - Horseshoe Island <sup>160</sup>  | Horseshoe Island in Square Bay, off Fallières Coast of Graham Land (West), Antarctic Peninsula                | 67°49 S | 67°18 W | AN-001 |
| G-08 | Station Z - Halley I-IV <sup>161</sup>       | Brunt Ice Shelf   | 75°00 S | 26°00 W | AN-016 |

*(United Kingdom, continued)*

|      |                                      |                 |         |         |        |
|------|--------------------------------------|-----------------|---------|---------|--------|
| G-17 | Station Z - Halley V <sup>162</sup>  | Brunt Ice Shelf | 75°35 S | 26°30 W | AN-016 |
| G-02 | TEMPORARILY WITHDRAWN <sup>163</sup> | —               | —       | —       | —      |
| G-06 | DELETED <sup>164</sup>               | —               | —       | —       | —      |
| G-16 | TEMPORARILY WITHDRAWN <sup>165</sup> | —               | —       | —       | —      |
| G-21 | DELETED <sup>166</sup>               | —               | —       | —       | —      |

**URUGUAY**

|       |   |   |         |         |        |
|-------|---|---|---------|---------|--------|
| CX-01 | General José Artigas Base <sup>167</sup>                        | Fildes Peninsula, King George Island,<br>South Shetland Islands | 62°11 S | 58°54 W | AN-010 |
| CX-   | Teniente de Navío Ruperto Elichiribehety Station <sup>168</sup> | Hope Bay, Trinity Peninsula (Antarctic<br>Peninsula)            | 63°24 S | 56°59 W | AN-016 |

**UNITED STATES OF AMERICA<sup>169</sup>**

|      |  |   |         |          |        |
|------|--|---|---------|----------|--------|
| K-08 | Amundsen-Scott Station <sup>170</sup>              | South Pole  | 90°00 S | -        | AN-016 |
| K-01 | Beardmore South Camp                               | Walcott Névé, Dufek Coast   | 84°03 S | 164°15 E | AN-016 |
| K-18 | Brockton Station [II] <sup>171</sup>               | Ross Ice Shelf  | 80°01 S | 178°02 W | AN-016 |
| K-28 | Byrd Station <sup>172</sup>                        | Marie Byrd Land   | 80°01 S | 119°32 W | AN-016 |
| K-04 | Byrd Surface Camp <sup>173</sup>                   | Marie Byrd Land   | 80°01 S | 119°32 W | AN-016 |
| K-07 | Byrd VLF Substation (Byrd Longwire) <sup>174</sup> | Marie Byrd Land   | 79°54 S | 120°30 W | AN-016 |
| K-21 | Camp CWA   | Marie Byrd Land   | 82°50 S | 118°00 W | AN-016 |
| K-13 | Camp UWS   | Marie Byrd Land   | 82°11 S | 111°21 W | AN-016 |
| K-   | Cape Crozier Hut                                   | Ross Island, McMurdo Sound  | 77°30 S | 169°40 E | AN-011 |
| K-   | Cape Shirreff Field Station <sup>175</sup>         | Cape Shirreff, Livingston Island, South<br>Shetland Islands   | 68°28 S | 60°47 W  | AN-010 |
| K-02 | Dome C Camp  | East Antarctic Plateau, inland from<br>Banzare Coast  | 74°30 S | 123°10 E | AN-016 |
| K-26 | Downstream B Camp                                  | Whillans Ice Stream (Ice Stream B),<br>Marie Byrd Land  | 84°01 S | 155°00 W | AN-016 |
| K-   | East Base <sup>176</sup>                           | Stonington Island in Marguerite Bay, off<br>Fallières Coast of Graham Land (West),<br>Antarctic Peninsula | 68°11 S | 67°00 W  | AN-001 |
| K-12 | East Camp <sup>177</sup>                           | East Antarctic Plateau, inland from Knox<br>Coast   | 78°28 S | 106°48 E | AN-016 |
| K-14 | Eights Station/Sky-High Camp <sup>178</sup>        | Ellsworth Land  | 75°10 S | 77°10 W  | AN-016 |
| K-   | Lake Bonney Hut                                    | Taylor Valley, Victoria Land  | 77°42 S | 162°27 E | AN-016 |
| K-   | Lake Fryxell Hut                                   | Taylor Valley, Victoria Land  | 77°36 S | 163°07 E | AN-016 |
| K-   | Lake Hoare Hut                                     | Taylor Valley, Victoria Land  | 76°38 S | 162°57 E | AN-016 |
| K-15 | Little Rockford [II] <sup>179</sup>                | Shirase Coast, Marie Byrd Land  | 79°30 S | 147°19 W | AN-016 |
| K-   | Marble Point Camp                                  | Scott Coast, Victoria Land  | 77°25 S | 163°40 E | AN-016 |

*(United States of America, continued)*

|      |   |  |         |          |        |
|------|---|--|---------|----------|--------|
| K-09 | McMurdo Station <sup>180</sup>                                  | Hut Point Peninsula, Ross Island,<br>McMurdo Sound           | 77°51 S | 166°40 E | AN-011 |
| K-   | Mount Erebus Hut  | Ross Island, McMurdo Sound                                   | 77°30 S | 167°10 E | AN-011 |
| K-   | New Harbour Hut   | Scott Coast, Victoria Land                                   | 77°34 S | 163°31 E | AN-016 |
| K-05 | North Victoria Land   | Victoria Land  | 72°13 S | 163°52 E | AN-016 |
| K-10 | Palmer Station <sup>181</sup>                                   | Gamage Point, Anvers Island, Palmer<br>Archipelago           | 64°46 S | 64°03 W  | AN-012 |
| K-27 | Pieter J. Lenie Field Station (Copacabana)                      | Admiralty Bay, King George Island, South<br>Shetland Islands | 62°10 S | 58°28 W  | AN-010 |
| K-17 | Plateau Station <sup>182</sup>                                  | East Antarctic Plateau, inland from Prince<br>Olav Coast     | 79°15 S | 40°30 E  | AN-016 |
| K-23 | Siple Dome Camp <sup>183</sup>                                  | Marie Byrd Land  | 81°39 S | 149°04 W | AN-016 |
| K-20 | Siple Station <sup>184</sup>                                    | Ellsworth Land   | 75°56 S | 84°15 W  | AN-016 |
| K-06 | Terra Nova Bay Camp   | Scott Coast, Victoria Land                                   | 74°42 S | 164°06 E | AN-016 |
| K-25 | Upstream B Camp   | Whillans Ice Stream (Ice Stream B),<br>Marie Byrd Land       | 83°28 S | 137°27 W | AN-016 |
| K-24 | Upstream C Camp   | Ice Stream C, Marie Byrd Land                                | 82°26 S | 135°56 W | AN-016 |
| K-11 | Williams Field (Williams Air Operating Facility) <sup>185</sup> | Ross Ice Shelf   | 77°51 S | 166°37 E | AN-016 |
| K-03 | DELETED <sup>186</sup>  | –  | –       | –        | –      |
| K-16 | DELETED <sup>187</sup>  | –  | –       | –        | –      |
| K-19 | TEMPORARILY WITHDRAWN <sup>188</sup>                            | –  | –       | –        | –      |
| K-22 | TEMPORARILY WITHDRAWN <sup>189</sup>                            | –  | –       | –        | –      |

**MULTI-NATIONAL BASES<sup>190</sup>**

|       |                                   |   |         |          |        |
|-------|-----------------------------------|---|---------|----------|--------|
| MN-   | Concordia Station <sup>191</sup>  | Dome C, East Antarctic Plateau, inland<br>from Banzare Coast    | 75°06 S | 123°23 E | AN-016 |
| MN-05 | Evaodden Camp [II] <sup>192</sup> | Cape Eva, Peter I Island  | 68°42 S | 90°37 W  | AN-004 |
| MN-03 | Hallett Station <sup>193</sup>    | Seabee Hook, Cape Hallett,<br>Borchgrevink Coast, Victoria Land | 72°19 S | 170°13 E | AN-016 |
| MN-04 | World Park Base <sup>194</sup>    | Home Beach, Cape Evans, Ross Island,<br>McMurdo Sound           | 77°38 S | 166°24 E | AN-011 |
| MN-01 | Patriot Hills Camp <sup>195</sup> | Ellsworth Mountains, Ellsworth Land                             | 80°19 S | 81°15 W  | AN-016 |
| MN-02 | Vinson Camp                       | Vinson Massif, Ellsworth Mountains,<br>Ellsworth Land           | 78°32 S | 86°01 W  | AN-016 |

## NOTES

## ARGENTINA

- <sup>1</sup> Base de Ejército Alférez de Navió José María Sobral (Argentina): opened on 2 April 1965.
- <sup>2</sup> Estación Científica Almirante Brown (Argentina): opened on 6 April 1951 as Destacamento Naval (Navy Detachment), transferred to IAA (Instituto Antártico Argentino) and opened again on 17 February 1965.
- <sup>3</sup> Destacamento Naval Decepción (Argentina): opened on 25 January 1948.
- <sup>4</sup> Estación Científica Ellsworth (Argentina): formerly USA Ellsworth Station, established in 1957 and transferred to Argentina on 2 February 1959.
- <sup>5</sup> Base de Ejército Esperanza (Argentina): opened on 17 December 1952, formerly Destacamento Naval (Navy Detachment).
- <sup>6</sup> Refugio Naval Francisco de Gurruchaga (Argentina): opened on 6 December 1953, formerly known as Refugio Armonía.
- <sup>7</sup> Base de Ejército General Manuel Belgrano (Argentina): opened on 18 January 1955.
- <sup>8</sup> Base de Ejército General Manuel Belgrano II (Argentina): opened on 5 February 1979.
- <sup>9</sup> Base de Ejército General Manuel Belgrano III (Argentina): opened on 30 January 1980.
- <sup>10</sup> Base de Ejército General San Martín (Argentina): opened on 21 March 1951.
- <sup>11</sup> Refugio Naval Groussac (Argentina): opened on 8 February 1955.
- <sup>12</sup> Destacamento Naval Melchior (Argentina): opened on 31 March 1947.
- <sup>13</sup> Destacamento Naval Orcadas del Sur (Argentina): opened on 22 February 1904.
- <sup>14</sup> Estación Aeronaval Petrel (Argentina): opened on 18 January 1952 as a refuge, opened again as Estación Aeronaval on 22 February 1967.
- <sup>15</sup> Base de Ejército Primavera (Argentina): opened on 8 March 1977.
- <sup>16</sup> Refugio Naval Teniente Ballvé (Argentina): opened on 6 December 1953, formerly known as Refugio Peninsula Ardley.
- <sup>17</sup> Base Aérea Teniente Benjamin Matienzo (Argentina): opened on 15 March 1961.
- <sup>18</sup> Destacamento Naval Teniente de Navió Juan Cámara: opened on 1 April 1953 as Destacamento Naval (Navy Detachment) Bahía Luna, renamed in 1955.
- <sup>19</sup> Estación Científica Teniente Jubany (Argentina): opened on 21 November 1953, formerly known as Refugio Potter, Estación Aeronaval Caleta Potter and Estación Aeronaval Teniente Jubany, transferred to IIA (Instituto Antártico Argentino) on 12 February 1982.
- <sup>20</sup> Base Aérea Vicecomodoro Gustavo A. Marambio (Argentina): opened on 29 October 1969.
- <sup>21</sup> LU-20: previously issued to a "Isla 25 de Mayo" base, which actually is the Teniente Jubany Scientific Station, WABA LU-15 (25 de Mayo is the Argentine name for King George Island).

## AUSTRALIA

<sup>22</sup> Several field huts and refuges have been established over the years in various areas within the Australian Antarctic Territory (that portion of Antarctica lying between 45°E-136°E and 142°E-160°E). Occupied according to the requirements of ANARE (Australian National Antarctic Research Expeditions) scientific programmes, they include - but are not limited to - the following:

|                        |  |         |          |
|------------------------|--|---------|----------|
| Ardery                 | Ardery Island, Windmill Islands              | 66°22 S | 110°26 E |
| Bandit's               | Bandit's Bluff, Tryne Islands                | 68°25 S | 78°23 E  |
| Beaver Lake Camp       | Aramis Range, Mac Robertson Land             | 70°47 S | 68°17 E  |
| Béchervaise            | Béchervaise Island, Flat Islands             | 67°35 S | 62°49 E  |
| Brookes                | Shirokaya Bay, Ingrid Christensen Coast      | 68°32 S | 78°11 E  |
| Browning               | Browning Peninsula, Budd Coast               | 66°28 S | 110°33 E |
| Cape Denison Huts      | Commonwealth Bay, George V Land              | 67°00 S | 142°40 E |
| Colbeck                | Colbeck Archipelago                          | 67°26 S | 60°58 E  |
| Crooked Lake           | Vestfold Hills, Ingrid Christensen Coast     | 68°36 S | 78°21 E  |
| Fang Peak              | David Range, Mac Robertson Land              | 67°47 S | 62°35 E  |
| Fischer Nunatak        | Framnes Mountains, Mac Robertson Land        | 67°43 S | 63°02 E  |
| Hop Island             | Rauer Islands, Ingrid Christensen Coast      | 68°49 S | 77°41 E  |
| Jack's Donga           | Vincennes Bay, Budd Coast                    | 66°14 S | 110°39 E |
| Law Dome               | Budd Coast, Wilkes Land                      | 66°53 S | 113°15 E |
| Macey & Auster Islands | Robinson Group                               | 67°26 S | 63°49 E  |
| Magnetic Island        | Prydz Bay, Ingrid Christensen Coast          | 68°32 S | 77°54 E  |
| Marine Plain           | Vestfold Hills, Ingrid Christensen Coast     | 68°36 S | 78°06 E  |
| Moore Pyramid          | Prince Charles Mountains, Mac Robertson Land | 70°18 S | 65°08 E  |
| Peterson               | Peterson Island, Windmill Islands            | 66°26 S | 110°30 E |
| Platcha Huts           | Vestfold Hills, Ingrid Christensen Coast     | 68°30 S | 78°30 E  |
| Robinson Ridge         | Vincennes Bay, Budd Coast                    | 66°22 S | 110°35 E |
| Rookery Lake           | Vestfold Hills, Ingrid Christensen Coast     | 68°29 S | 78°04 E  |
| Rumdoodle              | North Masson Range, Mac Robertson Land       | 67°46 S | 62°49 E  |
| Sansom Island          | Sandefjord Ice Bay, Ingrid Christensen Coast | 69°42 S | 73°44 E  |
| Scullin Monolith       | Mawson Coast, Mac Robertson Land             | 67°47 S | 66°41 W  |
| Trajer Ridge           | Vestfold Hills, Ingrid Christensen Coast     | 68°33 S | 78°28 E  |
| Watts Lake             | Vestfold Hills, Ingrid Christensen Coast     | 68°36 S | 78°13 E  |
| Wilkes Hilton          | Clark Peninsula, Budd Coast                  | 66°15 S | 110°32 E |

ANARE field huts do not include the so-called "Mawson's Huts" (namely Main Hut, Magnetograph House, Absolute Magnetic Hut and Transit Hut), established at Cape Denison, Commonwealth Bay by Douglas Mawson's 1911-14 Australasian Antarctic Expedition (AAE).

<sup>23</sup> Casey Station (Australia): construction commenced in 1964/65, station fully operational in February 1969.

<sup>24</sup> Davis Station (Australia): established on 13 January 1957.

<sup>25</sup> Mawson Station (Australia): established on 13 February 1954.

<sup>26</sup> Wilkes Station (Australia): established in February 1957 by the United States and transferred to Australia on 4 February 1959, it was closed in February 1969, when activities were transferred to Casey Station (WABA VK-02).

<sup>27</sup> VK-06: this WABA reference number was issued for the activity by VK0/W3RS and VK0URS in 1969 from a "Ionospheric Research Station" whose location (Donovan Islands) clashes with the coordinates (66°25 S - 110°24 E). Lying about 11 km north-east of the Clark Peninsula, the Donovan Islands are centered at 66°11 S - 110°24 E, whilst the coordinates for WABA VK-06 seem to indicate a location on Holl Island, at the south-west end of the Windmill Islands. As far as IOTA is concerned, either the Donovan Islands and Holl Island fall within the unnumbered Wilkes Land (Budd and Sabrina Coasts) group, but it is still to be determined if they meet the IOTA qualification criteria.

**BELGIUM**

<sup>28</sup> Roi Baudouin Base (Belgium): established in 1957/58, built anew in 1964 and closed permanently in 1967/68.

**BRAZIL**

<sup>29</sup> Brazilian scientific facilities also included the Engenheiro Wiltgen Refuge (61°04 S - 55°21 W), established on Elephant Island in the South Shetlands in 1984/85 and dismantled during the 1997/98 austral summer (no amateur radio activity reported so far).

<sup>30</sup> Astrônomo Cruls Refuge (Brazil): established in 1984/85.

<sup>31</sup> Estação Antártica Comandante Luiz Antônio de Carvalho Ferraz (Brazil): opened on 6 February 1984.

<sup>32</sup> Emilio Goeldi Refuge (Brazil): established in 1988/89.

<sup>33</sup> Padre Rambo Refuge (Brazil): established in 1984/85.

**BULGARIA**

<sup>34</sup> St. Kliment Ohridski Base (Bulgaria): formerly known as Sofia University Refuge, it was established in April 1988 and renamed St. Kliment Ohridski in 1994.

<sup>35</sup> LZ-01: LZ0AM, following whose activity in 1988 this WABA reference number was issued, operated from Novolazarevskaya base of the former USSR (WABA U-08).

**CHILE**

<sup>36</sup> Refugio Ardley (Chile): originally established by the former German Democratic Republic, it was first taken over by the Alfred Wegener Institute for Polar and Marine Research, and then transferred to Chile in February 1997.

<sup>37</sup> Base Naval Capitán Arturo Prat (Chile): opened on 6 February 1947, formerly known as Soberanía.

<sup>38</sup> If Avian Island is found to meet the IOTA qualification criteria, it will count for AN-001.

<sup>39</sup> Sub-base General Ramón Cañas Montalva (Chile): formerly British Station V - View Point, transferred to Chile on 29 July 1996.

<sup>40</sup> Base Julio Ripamonti (Chile): established in 1982 by the Chilean Air Force and transferred to the Chilean Antarctic Institute (INACH) in 1988.

<sup>41</sup> Base Militar Antártica Libertador General Bernardo O'Higgins Riquelme Base (Chile): opened on 18 February 1948.

<sup>42</sup> Base Luis Risopatrón (Coppermine Refuge) (Chile): the first Base Científica Geógrafo Luis Risopatrón was established by the Chilean Army in connection with the International Geophysical Year. Located in proximity to O'Higgins Base (WABA CE-02), it was destroyed by fire in 1958.

<sup>43</sup> Base Aérea Antártica Presidente Eduardo Frei Montalva (Chile): opened on 7 March 1969.

<sup>44</sup> Base Aérea Presidente Gabriel González Videla Base (Chile): opened on 12 March 1951.

<sup>45</sup> Base Aérea Presidente Pedro Aguirre Cerda Base (Chile): opened on 18 February 1955 as Base Presidente Carlos Ibanez del Campo, it was damaged in 1967 and totally destroyed in 1969 by volcanic eruptions.

<sup>46</sup> Base Profesor Julio Escudero (Chile): established in 1975 and formerly known as Fildes Refuge or Fildes Station, the official opening with the name Escudero took place on 5 February 1995.

<sup>47</sup> Campamento Shirreff (Chile): established in 1980.

<sup>48</sup> Estación Polar Teniente Arturo Parodi Alister (Chile): opened on 6 December 1999.

<sup>49</sup> Base Aérea Teniente Luis Carvajal Villaroel (Chile): formerly British Station T - Adelaide (WABA G-01), transferred to Chile on 14 August 1984.

<sup>50</sup> Base Aérea Teniente Rodolfo Marsh Martin (Chile): opened on 21 March 1980.

<sup>51</sup> Yelcho Sub-base (Chile): if Doumer Island is found to meet the IOTA qualification criteria, it will count for AN-012.

**CHINA**

<sup>52</sup> Zhongshan Station (China): opened on 26 February 1989.

<sup>53</sup> Great Wall Station (China): opened on 20 February 1985.

**ECUADOR**

<sup>54</sup> Estación Científica Pedro Vicente Maldonado (Ecuador): opened on 2 March 1990.

<sup>55</sup> Refugio República del Ecuador: opened on 13 January 1988.

**FEDERAL REPUBLIC OF GERMANY**

<sup>56</sup> FRG bases also included the Wilhelm Filchner station: located on the Ronne Ice Shelf and opened in 1982, it was dismantled in 1999, some four months after a large iceberg with the station on it calved and floated off the ice shelf (13 October 1998). Filchner Station has been withdrawn from the WABA Directory as no amateur radio activity has been reported so far.

<sup>57</sup> Established by the former German Democratic Republic and taken over by the Alfred Wegener Institute for Polar and Marine Research, it was activated on the amateur radio bands under the fictitious name of "German Penguin Laboratory" before being transferred to the Chilean Antarctic Institute in February 1997.

<sup>58</sup> Eduard Dallmann Laboratory (FRG): opened in January 1994 at Teniente Jubany Station (WABA LU-15) of Argentina.

<sup>59</sup> GARS (FRG): opened on 29 January 1993, the German Antarctic Receiving Station (GARS) is adjacent to Libertador General Bernardo O'Higgins Riquelme Base (WABA CE-02) of Chile.

<sup>60</sup> Georg Forster Station (FRG): Established by the former German Democratic Republic in the mid 1970s and taken over by the Alfred Wegener Institute after the accession of the GDR to the FRG, it was dismantled and removed in the late 1990s. Only contacts made from 3 October 1990 onward are eligible for WABA credit under the *Federal Republic of Germany* section of the directory; contacts made up to 2 October 1990 fall within the *German Democratic Republic* section (q.v.).

<sup>61</sup> Georg von Neumayer Station I (FRG): this is the original Georg von Neumayer station, established in 1981 and decommissioned when the current Neumayer station (WABA DL-03) was completed in March 1992 some 10 kilometres away from the old site.

<sup>62</sup> Georg von Neumayer Station II (FRG): previously issued to an "Ekstrom Ice Shelf at Atka Bay" station, which actually is the current Neumayer station, completed in March 1992.

<sup>63</sup> Gondwana Station (FRG): Established during the third GANOVEX (German Antarctic North Victoria Land Expedition) in January 1983, it was activated on the amateur radio bands by OE8NOK/ZL5 and ZL5/DK0GDA, whose operations were previously credited for a "Gondwana Station" (WABA ZL-01) of New Zealand that has been deleted during this revision exercise.

<sup>64</sup> Heinz Kohnen Station (FRG): established during the 2000/01 summer season within the framework of EPICA (the European Project for Ice Coring in Antarctica), this station is bound to be dismantled and removed (the Environmental Evaluation for this project envisages three seasons for the core recovery and one season each for building up and dismantling the camp).

<sup>65</sup> Lillie-Marleen Hut (FRG): established in January 1980 during GANOVEX I.

<sup>66</sup> DL-02: previously issued for contacts made with Georg Forster station before the accession of the German Democratic Republic to the Federal Republic of Germany (3 October 1990). Contacts made with Forster station up to 2 October 1990 are eligible for WABA credit under the *German Democratic Republic* section of the directory (q.v.).

## FINLAND

<sup>67</sup> Finnish Aboa Station (opened in 1988) and nearby Swedish station Wasa (WABA SM-01) form together the so-called Nordenskjöld Base.

## FRANCE

<sup>68</sup> Cap Prud'homme Sub-base (France): opened in 1993.

<sup>69</sup> Charcot Station (France): opened in 1956.

<sup>70</sup> Dumont d'Urville Base (France): opened in 1956, includes the so-called Base Marret (Historic Site no. 47) where Mario Marret and his men wintered in 1952, following the fire at Port Martin base (WABA F-...).

<sup>71</sup> Port Martin Base (France): built in 1950 and partly destroyed by fire on 23-24 January 1952, the surviving buildings and installations now form the Historic Site no. 46.

## GERMAN DEMOCRATIC REPUBLIC

<sup>72</sup> GDR bases also included Ardley Station (WABA DL-05), taken over by the Alfred Wegener Institute after the accession of the German Democratic Republic to the Federal Republic of Germany and activated on the amateur radio bands in 1995 under the fictitious name of "German Penguin Laboratory". In February 1997 Ardley Station was transferred to the Chilean Antarctic Institute.

<sup>73</sup> Georg Forster Station (GDR): established by the former German Democratic Republic in the mid 1970s and taken over by the Alfred Wegener Institute after the accession of the GDR to the FRG, it was dismantled and removed in the late 1990s. Only contacts made up to 2 October 1990 are eligible for WABA credit under the *German Democratic Republic* section of the directory; contacts made from 3 October 1990 onward fall within the *Federal Republic of Germany* section (q.v.).

## INDIA

<sup>74</sup> Dakshin Gangotri Station (India): opened in 1983/84.

<sup>75</sup> Maitri Station (India): opened in 1988/89.

## ITALY

<sup>76</sup> Baia Terra Nova Station (Italy): built in 1986/87 during the second PNRA (National Programme for Research in Antarctica) expedition.

<sup>77</sup> Giacomo Bove Hut (Italy): established by a non governmental expedition led by Renato Cepparo (I2VZP) and occupied from 20 January through 12 February 1976.

## JAPAN

<sup>78</sup> Asuka Station (Japan): opened in December 1984.

<sup>79</sup> Dome Fuji Station (Japan): opened in February 1995.

<sup>80</sup> Mizuho Station (Japan): opened in July 1970.

<sup>81</sup> Syowa Station (Japan): opened in January 1957.

## KOREA

<sup>82</sup> King Sejong Station (Korea): opened on 17 February 1988.

## NEW ZEALAND

<sup>83</sup> Bratina Island Huts (New Zealand): established in December 1989.

<sup>84</sup> Cape Evans Huts (New Zealand): established in 1989.

<sup>85</sup> Cape Roberts Huts (New Zealand): established in November 1984.

<sup>86</sup> Cape Royds Hut (New Zealand): established in 1993.

<sup>87</sup> Lake Vanda Huts (New Zealand): opened in 1994 opposite the site of former Vanda Station (established in 1967 and apparently never activated on the amateur radio bands, it was removed in 1994/95 due to rising lake levels that threatened to flood the site).

<sup>88</sup> Lower Wright Refuge (New Zealand): established in November 1971.

<sup>89</sup> Scott Base (New Zealand): opened on 20 January 1957.

<sup>90</sup> ZL-01: previously issued for operations that actually took place from the German Gondwana Station (WABA DL-06).

<sup>91</sup> ZL-03: this WABA reference number was issued for a reported activity by ZL0AAF in 1990 from a "Swan Base" supposedly located on one of the Balleny Islands. While this chain of isolated islands of difficult access is located between 66°15 S to 67°10 S and 162°15 E to 164°45 E, the co-ordinates given for ZL-03 (66°00 S - 162°00 E) are approximate and do not refer to any specific island in that group. The Balleny Islands are still unnumbered in the RSGB IOTA Directory's island listings.

<sup>92</sup> ZL-04: previously issued to World Park Base of Greenpeace International, which has been transferred to the *Multi-National* section (q.v.)

## NORWAY

<sup>93</sup> Evaodden Camp (Norway): this was the Norwegian Polar Institute camp from which Einar Enderud (LA1EE/3Y1EE) and Kåre Pedersen (LA2GV/3Y2GV) operated between 23 January and 2 February 1987. They had joined a team of researchers from the NPI, who were going to Peter I on a scientific expedition. The 3Y0PI operation (1-16 February 1994) took place from a second, newly established camp at Cape Eva, which, as far as WABA is concerned, falls within the *Multi-National* section (q.v.).

<sup>94</sup> Tor Station (Norway): opened in February 1993.

<sup>95</sup> Troll Station (Norway): opened in February 1990.

<sup>96</sup> LA-02: TEMPORARILY WITHDRAWN . This WABA reference number was issued for activities by 3Y1CC in 1970-71 and 3Y2DQ in 1979 from a base supposedly located on Wilhelm II Coast. However the co-ordinates given for LA-02 (66°33 S - 93°01 E) not only indicate a spot on Queen Mary Coast, but are the actual co-ordinates of Mirny Station of the former USSR (WABA U-07).

## PERU

<sup>97</sup> Macchu Picchu Station (Peru): opened in February 1989

## POLAND

<sup>98</sup> Antoni B. Dobrowolski Station: formerly Oasis station of the former USSR, it was transferred to Poland on 23 January 1959.

<sup>99</sup> Henryk Arctowski Station (Poland): opened on 26 February 1977.

## RUSSIAN FEDERATION

<sup>100</sup> Only contacts made from 24 December 1991 onward are eligible for WABA credit under the *Russian Federation* section of the directory; contacts made between 1 January 1961 and 23 December 1991 fall within the *Union of Soviet Socialist Republics* section (q.v.). SAE (the Soviet Antarctic Expedition, replaced in 1992 by the Russian Antarctic Expedition) bases also included the following, some of which have been closed for more than 25 years:

|  |                          |         |         |
|--|--------------------------|---------|---------|
| Druzhba  | West Ice Shelf           | 66°43 S | 86°24 E |
| Druzhnaya-2                                    | Lassiter Coast           | 74°30 S | 62°00 W |
| Lazarev  | Lazarev Ice Shelf        | 69°59 S | 12°55 E |
| Mir  | Queen Mary Coast         | 65°45 S | 96°26 E |
| Pobeda   | Queen Mary Coast         | 64°39 S | 98°54 E |
| Polyus Nedostupnosti (Pole of Inaccessibility) | East Antarctic Plateau   | 82°06 S | 54°58 E |
| Salyut   | Queen Mary Coast         | 65°32 S | 96°30 E |
| Sodruzhestvo                                   | Ingrid Christensen Coast | 69°43 S | 73°44 E |
| Sovetskaya                                     | East Antarctic Plateau   | 78°23 S | 87°32 E |
| Soyuz  | Mac Robertson Land       | 70°35 S | 68°47 E |

One further base, Oasis, was established in 1956 in the Bunger Hills, Knox Coast, at 66°16 S - 100°45 E; on 23 January 1959 it was transferred to Poland and renamed Antoni B. Dobrowolski Station.

<sup>101</sup> Bellingshausen (Russian Federation): opened on 22 February 1968.

<sup>102</sup> Druzhnaya-3 (Russian Federation): opened in 1986/87.

<sup>103</sup> Druzhnaya-4 (Russian Federation): opened on 18 January 1987.

<sup>104</sup> Komsomolskaya (Russian Federation): opened in 1957.

<sup>105</sup> Mirny (Russian Federation): opened on 13 February 1956.

<sup>106</sup> Molodezhnaya (Russian Federation): opened in 1962/63.

<sup>107</sup> Novolazarevskaya (Russian Federation): opened on 18 February 1961.

<sup>108</sup> Pionerskaya (Russian Federation): opened on 27 May 1956.

<sup>109</sup> Progress (Russian Federation): this is Progress-2, opened on 1 April 1988 and located slightly northward of the first Progress station (see WABA U-03 for further information).

<sup>110</sup> Vostok (Russian Federation): opened on 16 December 1957.

<sup>111</sup> Vostok-1 (Russian Federation): opened on 20 April 1957.

<sup>112</sup> UA-01: WABA reference number previously issued to Druzhnaya-1 (WABA U-01), which was never activated on the amateur radio bands after 24 December 1991.

<sup>113</sup> UA-05: WABA reference number previously issued to Leningradskaya (WABA U-05); no amateur radio activity after 24 December 1991 has been reported so far.

<sup>114</sup> UA-09: WABA reference number previously issued to Russkaya (WABA U-09); no amateur radio activity after 24 December 1991 has been reported so far.

## SOUTH AFRICA

<sup>115</sup> Borga Field Base (South Africa): established in 1969 and closed in 1976.

<sup>116</sup> E-Base aka Echo Base (South Africa): built in 1985 as emergency (hence the name E-Base) and logistical base.

<sup>117</sup> SANAE I-III (South Africa): the original station (SANAE I) was built in the early 1960s and was subsequently replaced by SANAE II and SANAE III, built respectively in the early and in the late 1970s. Overlapping of activities during the transfer from an "old" to a "new" station makes it difficult to determine from which station an amateur radio activity took place. As far as WABA is concerned, contacts made with SANAEs on the Fimbul Ice Shelf count for one single entity, which includes SANAE I, II and III.

<sup>118</sup> SANAE IV aka "Vesles" (South Africa): opened on 19 January 1997.

<sup>119</sup> Sarie Marais Field Base (South Africa): dismantled and removed in April-May 2002.

## SPAIN

<sup>120</sup> BAE (Base Antártica Española) Gabriel de Castilla: opened in 1988 as a refuge, upgraded to Spanish Antarctic Base in 1998/99.

<sup>121</sup> BAE (Base Antártica Española) Juan Carlos I: opened in January 1988.

<sup>122</sup> Previously issued for an activity by ED0BOD in January-February 1991, which actually took place from the Destacamento Naval Orcadas del Sur of Argentina (WABA LU-14).

## SWEDEN

<sup>123</sup> Svea Station (Sweden): opened in 1987/88.

<sup>124</sup> Swedish Wasa Station (opened in 1988/89) and nearby Finnish Station Aboa (WABA OH-...) form together the so-called Nordenskjöld Base.

## UKRAINE

<sup>125</sup> Akademik Vernadsky Station: formerly British Station F – Faraday (WABA G-04), it was transferred to Ukraine on 6 February 1996.



## UNION OF SOVIET SOCIALIST REPUBLICS

<sup>126</sup> Only contacts made between 1 January 1961 and 23 December 1991 are eligible for WABA credit under the *Union of Soviet Socialist Republics* section of the directory; contacts made from 24 December 1991 onward fall within the *Russian Federation* section (q.v.). In February 1956 the USSR established their first scientific station in Antarctica; in the following months and years a number of permanent, seasonal and temporary stations and bases were built. SAE (the Soviet Antarctic Expedition, replaced in 1992 by the Russian Antarctic Expedition) bases also included the following:

|  |                          |         |         |
|--|--------------------------|---------|---------|
| Druzhba  | West Ice Shelf           | 66°43 S | 86°24 E |
| Druzhnaya-2                                    | Lassiter Coast           | 74°30 S | 62°00 W |
| Druzhnaya-4                                    | Ingrid Christensen Coast | 69°44 S | 73°43 E |
| Lazarev  | Lazarev Ice Shelf        | 69°59 S | 12°55 E |
| Mir  | Queen Mary Coast         | 65°45 S | 96°26 E |
| Pobeda   | Queen Mary Coast         | 64°39 S | 98°54 E |
| Polyus Nedostupnosti (Pole of Inaccessibility) | East Antarctic Plateau   | 82°06 S | 54°58 E |
| Salyut   | Queen Mary Coast         | 65°32 S | 96°30 E |
| Sodruzhestvo                                   | Ingrid Christensen Coast | 69°43 S | 73°44 E |
| Sovetskaya                                     | East Antarctic Plateau   | 78°23 S | 87°32 E |
| Soyuz  | Mac Robertson Land       | 70°35 S | 68°47 E |

One further base, Oasis, was established in 1956 in the Bunger Hills, Knox Coast, at 66°16S - 100°45E; on 23 January 1959 it was transferred to Poland and renamed Antoni B. Dobrowolski Station.

<sup>127</sup> Bellingshausen (USSR): opened on 22 February 1968.

<sup>128</sup> Druzhnaya-1 (USSR): opened in December 1975, it was located on one of the three large icebergs that calved and floated off the Filchner Ice Shelf into the Weddell Sea during the austral winter of 1986.

<sup>129</sup> Druzhnaya-3 (USSR): opened in 1986/87.

<sup>130</sup> Komsomolskaya (USSR): opened in 1957.

<sup>131</sup> Leningradskaya (USSR): opened on 25 February 1971.

<sup>132</sup> Mirny (USSR): opened on 13 February 1956.

<sup>133</sup> Molodezhnaya (USSR): opened in 1962/63.

<sup>134</sup> Novolazarevskaya (USSR): opened on 18 February 1961.

<sup>135</sup> Pionerskaya (USSR): opened on 27 May 1956.

<sup>136</sup> Progress (USSR): this is Progress-2, opened on 1 April 1988. As far as WABA is concerned, this entry includes also Progress-1: established in 1985/86 slightly southward of Progress-2 (69°23 S - 56°24 E), it was closed and partly dismantled in 1989.

<sup>137</sup> Russkaya (USSR): opened on 9 March 1980.

<sup>138</sup> Vostok (USSR): opened on 16 December 1957.

<sup>139</sup> Vostok-1 (USSR): opened on 20 April 1957.

## UNITED KINGDOM

<sup>140</sup> Antarctic bases established by the British Antarctic Survey and its predecessors also included the following, apparently never activated on the amateur radio bands before being destroyed, dismantled or transferred to other countries:

|                           |                               |         |         |   |
|---------------------------|-------------------------------|---------|---------|---|
| Cape Reclus Refuge        | Portal Point, Danco Coast     | 64°30 S | 61°46 W | dismantled on 1 April 1997  |
| Orford Cliff Refuge       | Lallemand Fjord, Loubet Coast | 66°55 S | 66°30 W | dismantled on 25 March 1997   |
| Station N - Anvers Island | Arthur Harbour, Anvers Island | 64°46 S | 64°05 W | destroyed by fire on 28 December 1971   |
| Station V - View Point    | Duse Bay, Trinity Peninsula   | 63°32 S | 57°23 W | transferred to Chile on 29 July 1996 and renamed General Ramón Cañas Montalva |

Another base (Station P), actually a field camp located on Livingston Island in the South Shetlands, was operated between 29 December 1957 and 15 March 1958.

<sup>141</sup> Blaiklock Island Refuge (United Kingdom): established on 6 March 1957 and used until 1958, it was designated as Historic Site no. 63 in 1995.

<sup>142</sup> Damoy Point Hut (United Kingdom): established on 6 November 1975.

<sup>143</sup> Rasmussen Hut (United Kingdom): established on 29 March 1984.

<sup>144</sup> Sky-Blu Camp (United Kingdom): occupied since 1995 and fully operational in 1997/98.

<sup>145</sup> Station A - Port Lockroy (United Kingdom): established on 11 February 1944 and occupied until 16 January 1962, it was designated as Historic Site no. 61 in 1995.

<sup>146</sup> Station B - Deception Island (United Kingdom): established on 3 February 1944 and abandoned on 23 February 1969 after volcanic eruptions.

<sup>147</sup> Station C - Cape Geddes (United Kingdom): established on 21 January 1946 to replace the first (and never occupied) Station C at Sandefjord Bay on Coronation Island (South Orkneys) and closed on 17 March 1947, it is used periodically by personnel from Destacamento Naval Orcadas del Sur (WABA LU-14) of Argentina.

<sup>148</sup> Station D - Hope Bay (United Kingdom): established on 13 February 1945 and occupied until 13 February 1964, it was transferred to Uruguay on 8 December 1997 and renamed Estación Científica Antártica Teniente de Navío Ruperto Elichiribehety (WABA CX-...).

<sup>149</sup> Station E - Stonington Island (United Kingdom): also known as Marguerite Bay, it was established on 25 February 1946 and occupied until 23 February 1975. Designated as Historic Site no. 64 in 1995.

<sup>150</sup> Station F - Faraday (United Kingdom): also known as Argentine Islands, it was opened on 30 May 1954 and occupied through 6 February 1996, when it was transferred to Ukraine and renamed Akademik Vernadsky Station (WABA UR-01).

<sup>151</sup> Station F - Wordie House (United Kingdom): this is the main hut of the original Faraday Base, established on 7 January 1947 and closed on 30 May 1954 when the station was transferred to Galindez Island (see Station F - Faraday, WABA G-04). Wordie House was designated as Historic Site no. 62 on 19 May 1995.

<sup>152</sup> Station G - Admiralty Bay (United Kingdom): established on 18 January 1947 and occupied until 19 January 1961, it was demolished and removed in 1995/96.

<sup>153</sup> Station H - Signy (United Kingdom): established on 18 March 1947.

<sup>154</sup> Station J - Prospect Point (United Kingdom): also known as Graham Coast, it was established on 2 February 1957 and occupied through 23 February 1959.

<sup>155</sup> Station KG - Fossil Bluff (United Kingdom): established on 20 February 1961.

<sup>156</sup> Station O - Danco Island (United Kingdom): established on 26 February 1956 and occupied through 22 February 1959, it is used periodically by field parties.

<sup>157</sup> Station R - Rothera (United Kingdom): established on 25 October 1975.

<sup>158</sup> Station T - Adelaide (United Kingdom): established on 1 February 1961 and occupied through 1 March 1977, it was transferred to Chile on 14 August 1984 and renamed Base Aérea Teniente Luis Carvajal Villaroel (WABA CE-07).

<sup>159</sup> Station W - Detaille Island (United Kingdom): also known as Loubet Coast, it was established on 21 February 1956 and occupied through 31 March 1959.

<sup>160</sup> Station Y - Horseshoe Island (United Kingdom): established on 11 March 1955 and occupied until 11 July 1969, it is used periodically by field parties. It was designated as Historic Site no. 63 in 1995.

<sup>161</sup> Station Z - Halley I-IV (United Kingdom): established on 15 January 1956, the original station was the first of four predecessors of the current Halley V (WABA G-17), which became fully operational on 19 February 1992. The station necessitated periodic rebuilding and the overlapping of activities during the transfer from an "old" Halley to a "new" one makes it difficult to determine from which station an amateur radio activity took place. As far as WABA is concerned, contacts made with Halley between 15 January 1956 and 18 February 1992 count for one single entity (which includes Halley I, II, III and IV), unless the QSL card clearly mentions Halley V as QTH. The co-ordinates are approximate, as this part of the Brunt Ice Shelf is moving northward by some 700 metres per year.

<sup>162</sup> Station Z - Halley V (United Kingdom): Begun in January 1989 and fully operational from 19 February 1992. Unless the QSL card clearly mentions Halley V as QTH, contacts made up to 18 February 1992 count for WABA G-08 (q.v.), which includes Halley I, II, III and IV.

<sup>163</sup> G-02: this WABA reference number was issued for the activity by VP8BDG in 1985 from a base or camp "Brabant" whose co-ordinates (64°30 S - 64°21 W) seem to indicate a location apparently further west than the given QTH (Brabant Island).

<sup>164</sup> G-06: previously issued to a "Base N - Galindez", which actually is the Station F - Faraday on Galindez Island (WABA G-04). The letter N was assigned to a station on Anvers Island.

<sup>165</sup> G-16: this WABA reference number was issued for the activity by VK8IK in 1966 from a "Base R - Grahamland" (the letter R is allocated to Rothera, which however was established in 1975) whose co-ordinates (66°00 S - 65°00 W) clash with the location (Ronne Ice Shelf) and seem to indicate a different QTH instead (possibly Station J - Prospect Point, also known as Graham Coast and established in 1957 at 66°00 S - 65°21 W).

<sup>166</sup> G-21: VP8CPL and VP8CBE, following whose activity in February 1994 this WABA reference number was issued, operated from the Russian base Bellingshausen (WABA UA-04). The operations were conducted by members of the 3Y0PI (Peter I) DXpedition party while waiting for their chartered plane to be able to land on King George Island.

## URUGUAY

<sup>167</sup> Base Científica Antártica General José Artigas (BCAA, Uruguay): opened on 22 December 1984.

<sup>168</sup> Estación Científica Antártica Teniente de Navío Ruperto Elchiribehety (ECARE, Uruguay): formerly British Station D - Hope Bay (WABA G-12), transferred to Uruguay on 8 December 1997.

## USA

<sup>169</sup> Post-1961 USARP (the US Antarctic Research Program, established in 1959) deactivated stations or camps, from which no amateur radio activity has been reported so far, include, but are not limited to, the following:

|                          |   |         |          |         |
|--------------------------|---|---------|----------|---------|
| Amundsen Glacier Camp    | Faulkner Escarpment, Queen Maud Mountains | 86°18 S | 160°55 W | 1963/64 |
| Byrd Aurora Substation   | Marie Byrd Land                           | 79°26 S | 118°04 W | 1960s   |
| Byrd Coast Camp          | Ford Range, Marie Byrd Land               | 76°55 S | 144°00 W | 1966/67 |
| Camp Gould               | East Heritage Range, Ellsworth Mountains  | 78°57 S | 85°45 W  | 1962-67 |
| Camp Minnesota           | Jones Mountains, Eights Coast             | 73°30 S | 94°30 W  | 1961-65 |
| Camp Neptune             | Neptune Range, Pensacola Mountains        | 83°31 S | 57°15 W  | 1963-66 |
| Camp Ohio I              | Ohio Range, Horlick Mountains             | 84°52 S | 114°20 W | 1961-67 |
| Camp Ohio II             | Ohio Range, Horlick Mountains             | 86°00 S | 127°00 W | 1962-65 |
| Ellsworth Mountains Camp | Ellsworth Land                            | 79°07 S | 85°39 W  | 1979/80 |
| Little Jeana             | Ross Ice Shelf                            | 81°23 S | 170°45 E | 1964-66 |
| Marie Byrd Land Camp     | Hobbs Coast                               | 75°45 S | 135°00 W | 1977    |
| McGregor Glacier Hut     | Dufek Coast                               | 85°08 S | 174°50 E | 1982/83 |
| Patuxent Camp            | Patuxent Range, Pensacola Mountains       | 84°54 S | 63°00 W  | 1962-65 |
| Prebble Glacier Camp     | Prebble Glacier, Queen Alexandra Range    | 84°15 S | 164°10 E | 1966/67 |
| Roosevelt Island Hut     | Ross Ice Shelf                            | 80°11 S | 161°39 W | 1960s.  |

Pre-1961 stations or camps include, but are not limited to, the following:

|                                |  |         |          |         |
|--------------------------------|--|---------|----------|---------|
| Beardmore Station I            | Ross Ice Shelf, near Liv Glacier       | 84°56 S | 166°00 W | 1956-57 |
| Beardmore Station II           | Ross Ice Shelf, near Beardmore Glacier | 83°47 S | 174°20 E | 1957-64 |
| Little America I               | Bay of Whales, Ross Ice Shelf          | 78°40 S | 164°03 W | 1929-30 |
| Little America II              | Bay of Whales, Ross Ice Shelf          | 78°40 S | 164°03 W | 1934-35 |
| Little America III (West Base) | Bay of Whales, Ross Ice Shelf          | 78°35 S | 163°52 W | 1940-41 |
| Little America IV              | Bay of Whales, Ross Ice Shelf          | 78°35 S | 163°56 W | 1947    |
| Little America V               | Kainan Bay, Ross Ice Shelf             | 78°19 S | 162°22 W | 1955-59 |

Another base, Ellsworth Station, was established in January 1957 on the Filchner Ice Shelf (77°38 S - 41°08 W) and transferred to Argentina on 2 February 1959.

<sup>170</sup> Amundsen-Scott Station (USA): established in November 1956 and officially dedicated on 23 January 1957.

<sup>171</sup> Brockton Station [III] (USA): established in October 1965 at 78°45 S - 174°40 W and relocated in October 1966, it was closed in February 1972.

<sup>172</sup> Byrd Station (USA): established in early 1957, this undersnow research station was operated year-round through February 1972.

<sup>173</sup> Byrd Surface Camp (USA): established in the austral summer 1972/73 on the site of the former undersnow Byrd Station (WABA K-28).

<sup>174</sup> Byrd VLF Substation (USA): established in December 1965, closed in the austral summer 1970/71.

<sup>175</sup> Cape Shirreff Field Station (USA): located in proximity to the Chilean camp (WABA CE-09).

<sup>176</sup> East Base (USA): established in March 1940 during the US Antarctic Service Expedition (1939-41), it has not been used since 1948 (Ronne Antarctic Research Expedition). Designated as Historic Site no. 55 in 1989.

<sup>177</sup> East Camp (USA): co-located with Russian Vostok Station (WABA UA-10).

<sup>178</sup> Eights Station/Sky-High Camp (USA): Sky-High Camp was established in November 1961; designated Eights Station in January 1963, it was closed in November 1965.

<sup>179</sup> Little Rockford [III] (USA): established in December 1958 at 79°35 S - 156°46 W and relocated in 1959-60, it was closed in February 1965.

<sup>180</sup> McMurdo Station (USA): established in December 1955.

<sup>181</sup> Palmer Station (USA): construction completed in 1968, replacing the original station (Old Palmer) established in 1965 2 km away across Arthur Harbour.

<sup>182</sup> Plateau Station (USA): established in December 1965 and closed in January 1969.

<sup>183</sup> Siple Dome Camp (USA): established in 1996/97.

<sup>184</sup> Siple Station (USA): established in December 1969 and built anew in 1978/79, it was closed in February 1988.

<sup>185</sup> Williams Field (USA): established in December 1955.

<sup>186</sup> K-03: previously issued to Hallett Station, which has been transferred to the *Multi-National* section (q.v.). The station was operated by the US jointly with New Zealand from 1957 to February 1973.

<sup>187</sup> K-16: in order to count towards WABA credit, contacts must have taken place since 1 January 1961. This WABA reference number was issued to Wilkes Station, which was established by the US in February 1957 and then transferred to Australia (WABA VK-05) on 4 February 1959.

<sup>188</sup> K-19: this WABA reference number was issued for an activity by KC4/W1GWN in 1992 from a "McMurdo Sound 1" base, supposedly located on Ross Island. However, while the island lies between 77°10-77°51 S and 166°09-169°24 E, the co-ordinates given for K-19 (77°05 S – 166°02 E) seem to indicate a spot in McMurdo Sound, Ross Sea.

<sup>189</sup> K-22: this WABA reference number was issued for an activity by KC4/VE7MKZ in 1994-95 from a "Fuchs Sound Camp" on Loubet Coast of western Graham Land, Antarctic Peninsula. However, the co-ordinates given for K-22 (67°22 S - 68°36 W) seem to indicate a spot on Adelaide Island, and the Fuchs Ice Piedmont (geographic names of the Antarctic apparently do not include a Fuchs Sound) actually extends along the entire west coast of that island.

## MULTI-NATIONAL

<sup>190</sup> This section is for, but not necessarily limited to, bases established and operated by two or more countries, or by multi-national teams from non-governmental organizations or private expeditions. Maudheim Station on the Quar Ice Shelf (71°03 S - 10°56 W) was an early example of Multi-National base, as it was established by the Norwegian-British-Swedish Antarctic Expedition (NBSAE) of 1949-52.

<sup>191</sup> Concordia Station (Multi-National): opened in January 1997; the Dome C Project is developed jointly by France and Italy.

<sup>192</sup> Evaodden Camp II (Multi-National): this was the camp established and operated by the multi-national (USA, Mexico, Switzerland and Belgium) team of the 1-16 February 1994 3Y0PI expedition. The 3Y1EE & 3Y2GV expedition (23 January-2 February 1987) took place from a different Evaodden Camp (WABA LA-01), established by the Norwegian Polar Institute.

<sup>193</sup> Hallett Station (Multi-National): previously WABA K-03. Established in March 1957 and operated jointly by the United States and New Zealand as a year-round station until 3 March 1964, it was occupied during the austral summers from 1965 to February 1973, when it was closed down. Whilst the main buildings were decommissioned in the 1980s, site remediation is still in progress.

<sup>194</sup> World Park Base (Multi-National): previously WABA ZL-04. Established by Greenpeace International in the austral summer of 1986-87 and continuously occupied until the end of 1991, it was dismantled and removed during the 1991-92 season.

<sup>195</sup> Patriot Hills Camp (Multi-National): first used by ANI (Adventure Network International) in November 1987.