1956 Cortina, ITA *
Bronze – Lucile Wheeler (DH)

1958 Bad Gastein, AUT
Gold - Lucile Wheeler (DH)
Gold – Lucile Wheeler (GS)
Silver – Lucile Wheeler (C)

1960 Squaw Valley, USA *
Gold – Anne Heggtveit (SL)
Gold – Anne Heggtveit (C)

1968 Grenoble, FRA *
Gold – Nancy Greene (GS)
Gold – Nancy Greene (C)
Silver – Nancy Greene (SL)

1970 Val Gardena, ITA
Gold – Betsy Clifford (GS)

1972 Sapporo, JPN
Bronze – Jim Hunter (C)

1974 St Moritz, SUI
Silver – Betsy Clifford (DH)

1976 Innsbruck, AUT *
Gold – Kathy Kreiner (GS)

1980 Lake Placid, USA *
Bronze – Steve Podborski (DH)

1982 Schladming, AUT
Gold – Gerry Sorensen (DH)
Bronze - Laurie Graham (DH)

1989 Vail, USA
Silver – Karen Percy (DH)

1993 Morioka, JPN
Gold – Kate Pace (DH)

2003 St. Moritz, SUI
Gold – Mélanie Turgeon (DH)
Bronze - Allison Forsyth (GS)

2007 Åre, SWE
Silver – Jan Hudec (DH)

2009 Inawashiro, JPN (Ski Cross)
Gold – Ashleigh McIvor (SX)
Bronze – Davey Barr (SX)

2009 Val d’Isere, FRA
Gold – John Kucera (DH)
Bronze – Michael Janyk (SL)

2011 Garmisch-Partenkirchen, GER
Gold – Erik Guay (DH)

2011 Deer Valley, USA (Ski Cross)
Gold – Chris Del Bosco
Gold – Kelsey Serwa
Silver – Julia Murray

2013 Voss, NOR (Ski Cross)
Silver – Marielle Thompson

2015 Beaver Creek, USA
Silver – Dustin Cook (SG)
Silver – Team Event

2017 St-Moritz, SUI
Gold – Erik Guay (SG)
Silver – Erik Guay (DH)
Bronze – Manual Osborne-Paradis (SG)

* Olympic medallists were also considered world championship medallists until a rule change that took effect after 1980.