

Osamu Ujiie, Kazuo Sugamura, Fumihiko Nishio, Yasuo Akiyama and Akira Kawamoto. On June 28 all assembled at Burwash on Lake Kluane. Bad visibility caused by forest fire smoke forced them to stay there until July 3, when all were flown to Base Camp at 8000 feet on the Icefall Glacier, a tributary of the Chitina Glacier, west of Lucania. By semi-polar methods, they gained 3500 feet up the glacier and put Camp III at 10,500 feet on the west ridge. The glacier had two icefalls, the upper one of which had to be passed on the left bank with fixed ropes on steep rock and snow. After fixing 1500 feet of rope, Camp IV was established at 12,000 feet on July 15. Above they fixed 1650 feet of ropes. Led by Abe, Ujiie, Nishio and Akiyama were to ascend Lucania and support the other party. Sakan, Sugamura, Kawamoto and Oikawa were to traverse from Lucania to Steele. On the 17th the Abe party reached the top of Lucania and the following day the Sakan party reached the same summit. The latter continued on to the summit of Mount Steele on July 21, using skis for about six miles. This party descended Steele's west ridge to the Chitina Glacier and was back in Base Camp on the 27th. On August 2 helicopters carried them to Burwash Landing.

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Canadian Coast Range

Mount Waddington, First Winter Ascent. Al Steck, Bill St. Lawrence, Les Wilson, Bob Cuthbert, Dr. Barry Hagen and I flew to the Tiedemann Glacier from Prince George on February 18. Even before the ski-equipped Otter plane had landed, we were pleasantly surprised by the lack of icing on high summits and of avalanche tracks on steep snow slopes. The weather also favored us. We skied through the Bravo Icefall without major problems. An unexplained epidemic of something between nausea and lassitude actually proved the main adversity on this trip. There were interesting leads over verglas on the summit tower, but no worse than those reported by less fortunate summer expeditions. Furthermore the ice-feathers were more stable in winter. Our first party of three reached the summit from a snow cave near Spearman Col on February 21 and the remainder two days later. The stable snow and light icing conditions may be common in the high Coast Mountains in winter, but the good weather was blind luck.

RICHARD R. CULBERT

Peaks East of Head of Bute Inlet, Coast Range. Jerry Calbaum, Frank Slater, Nick Dodge, and I landed at Icewall Lake on August 8, after first