

extract the medical-rescue-research camp at 14,300 feet on the West Buttress. It appears that flight crew and equipment commitments to the war effort will preclude the Army's ability to conduct high-altitude rescue missions during the 1991 climbing season. For more information and to request mountaineering information and/or registration forms, please contact me: Robert Seibert, South District Mountaineering Ranger, Talkeetna Ranger Station, PO Box 588, Talkeetna, Alaska 99676. (Phone: 907-733-2231.)

ROBERT SEIBERT, *Denali National Park and Preserve*

*Denali National Park Survey.* An interesting study was made at Denali National Park by Alan Ewert and Robert Seibert of the National Park Service. Some 360 registered climbers (about a third of this year's number) were asked to complete a 26-item questionnaire as they checked out at the ranger station at Talkeetna. The questionnaire was printed only in English and the sampling was made only between June and August. Questions were asked about trash and human waste disposal and about crowding. Although there is obvious room for improvement, the study showed that trash, sanitation and crowding are still within acceptable limits for most Mount McKinley users. It is regretted that the report reached the Editor too late for full inclusion in this *Journal*. Further information may be obtained from Mountaineering Ranger Robert Seibert, whose address is listed in the previous item.

*McKinley, Descent from Windy Corner 1989.* In June, 1989, Mugs Stump, Paul Fitzgerald and I descended the ridge that starts at Windy Corner and runs down to the junction of the northeast fork and the main Kahiltina Glacier. We descended this in order to collect rocks for a comprehensive geologic profile conducted by the National Science Foundation.

CONRAD ANKER

*McKinley, New Routes.* Our original intention was to climb the Cassin Ridge, but that was overrun with climbers and we found a ridge, which had only been descended but not ascended before. (See above.) Southwest of Windy Corner, it runs over P 12,960 and P 13,300. Our group was made up of Mike Kurth, Timo Saukko, Mario Bilodeau, Peter Mattsson and me. We flew to the Kahiltina Glacier on May 15, carried loads and arrived on the 20th at the 14,000-foot West Buttress Camp, where we acclimatized for three days. On May 23, we descended to our 8000-foot cache on the Kahiltina. Seen from there, our route is the logical route to Windy Corner for climbers looking for more than the slog to 14,000 feet. On May 24, we ascended the northeast fork of the Kahiltina to camp at 9000 feet at the foot of the ridge, below what we called "Canada Couloir." This steeper approach looked more interesting and faster than the broken-up bottom section of the ridge. Day Two was an early one to beat