Storm Point, Trinity Buttress. This series of three buttresses, one above the other, lies directly to the left of the southwest ridge. Yvon Chouinard and TM Herbert on August 1 made the first ascent of this route (III, F8) by keeping more or less to the crest of these buttresses. The first involved a thin crack and finished with an F7 layback and jamcrack. The second buttress was climbed first up to a pine in an upward traverse to the right until the final 150-foot F8 face was climbed. The last buttress finished with two easy pitches after a difficult crack on the left side was ascended. Descent was made via a ledge system to the east. This climb has excellent rock and one of the shortest approaches in the Tetons.

Nez Perce, Lemon Crack. This new route (III, F9, A3), climbed on August 1, 1969, by Peter Cleveland and Michael Yokell, is on the same cliff as the "Big Bluff" route which was established some ten years ago. The route starts in a cave below a white face containing a large, lemon-shaped block; this face lies directly above and south of the Platforms in Garnet Canyon. The first pitch involves A3 nailing up over the roof and onto the 'lemon', then up 30 feet more (F8) to a good ledge with grass. The next F9 lead first drops down to the right and around a corner to a ledge and then diagonals up and right past the tip of a large pine tree (which grows from the ground at the start) to a ledge. Easier ledges then allowed a traverse to the right and up to the base of an open-book. This book was avoided by traversing again to the right and up 30 feet to a large sloping ledge below a second overhanging open-book which diagonals up to the left. This was climbed using aid (A2). Above, a very difficult tension traverse to the right permitted an exit onto a good ledge. After belaying from further around the corner to the right, they continued up on difficult (F7) rock, bypassing overhangs on the left. The seventh lead was up easy rock to the top. The climb was continuously interesting, containing a surprising amount of free climbing for a face which overhangs slightly from bottom to top.

Nez Perce, South-southwest Ridge. This ridge lies immediately west of the direct south ridge and leads to the subsummit about a hundred feet west of the true summit of Nez Perce. It was first climbed on August 13 by Leigh and Irene Ortenburger and David Coward after approaching from the Platforms in Garnet Canyon. From the higher col separating Shadow Peak from Nez Perce a traverse west led past the vertical beginning of the south-southwest ridge, which was avoided in favor of a large obvious chimney on the west flank of the ridge. After three straightforward pitches