

and horns on the right. The final pitch climbs a 30-foot jam crack (F8, possibly a pin or two of aid). Move right on a sloping ledge and climb up 30 feet more in a corner. A few aid pins lead around the roof to the right, and 30 feet of climbing leads to the rim. NCCS III, F8, A1.

BOB SCHNEIDER, *Unaffiliated*

Wawona Dome, West Face. In full view of the Yosemite south entrance highway, close to Wawona Village, the dome's face had no true routes. On October 14, 1970, Larry Moore, Bob Romanowitz, and I started up the obvious chimney in mid-face. Despite good weather, we did not complete the ascent the first day. The chimney flared so that the first pitch (all free) was slow and hard. Nailing led to where we could scramble to an assembly slab. A right traverse brought us to where the line again appeared above. After a bolt section, there was rather shaky nailing. Later the pins and the climb became better. The route follows the obvious crack, with one rightward meander, to the easy upper slabs. NCCS III, F8, A2.

FRED BECKY

Kolana Rock, North Face. On Memorial Day weekend, Warren Harding and I made the first ascent of this 1800-foot face in Hetch Hetchy Valley. An attempt in March had failed after three awkward aid pitches, a bivouac, and an oncoming storm. We left our haul bag at the high point and retreated. The approach involved almost a complete circuit around the rock to gain a prominent ledge 200 feet above the water in the Hetch Hetchy reservoir. The route began in a giant dihedral which continues almost to the summit, but after four pitches we decided to avoid the ugly moist overhangs above by traversing up and left. We bivouacked in bat tents suspended from oak trees on an oversized ledge, which was so rocky and downsloping that we could not find a level spot. Three pitches above the bivouac we traversed almost a full pitch to the right to avoid an overhanging headwall. Above this, mixed climbing led into fourth-class near the summit. Of 16 pitches more than half went free. NCCS V, F9, A3.

GALEN A. ROWELL

Utah

Titan, Fisher Towers, Sundevil Chimney. On April 28 Harvey T. Carter, Robert Sullivan, Tom Merrill and Ken Wyrick completed an eight-day, eleven-pitch new route on the Titan. This very direct and largely overhanging crack and chimney system rises 900 feet. There were six hanging belays and vertical caked mud had to be climbed and chimneyed. They used fewer bolts than is usual in the Fisher Towers and about 135 pitons. They also made the first ascents of Dunce Rock