

a ten-foot roof to start the climb. The crux is a steep twenty-foot-long section of 1¼-1½ inch crack. Rappel from double bolts. NCCS I, F10 or 11.

STEPHEN MCCABE, *Manx Mountaineers*

*Charlotte Dome, E.B. White.* Alan Bartlett and I put up a new route on this magnificent formation in August. Several hundred feet right and slightly uphill from Charlotte's Web is a small pillar below two parallel water grooves. Our route follows the left-hand groove (past two bolts and a bolt anchor belay) for several pitches. Move left, continue up cracks to where the dome angle gradually kicks back and then ascend the headwall to meet the southwest arête and the summit. NCCS IV, F9.

ALLAN PIETRASANTA, *Buff Alpine Club*

*Mount Russell.* In late September Alan Bartlett and I climbed two new routes on the west side of this peak. 1). *Bloody Corner.* Just left of the Direct Southwest Buttress route is an obvious steep dihedral, the crux of our route. Climb up for a few hundred feet on progressively harder rock to this intimidating, but beautiful, corner. Two pitches of Yosemite-like climbing on this corner lead to easier rock and the summit ridge. NCCS III, F10. 2). *Pilgrimage.* Right of the Mithral Dihedral and lower down on the face is a left-facing broken dihedral. Our line follows a crack on the left side of this feature, past a small roof, and up the face for several pitches to easier climbing and the summit. NCCS III, F9.

ALLAN PIETRASANTA, *Buff Alpine Club*

## California—Yosemite

*Cleaning Half Dome—Twenty-Two Years After.* Bart O'Brien told it as it was ("Climbing Half Dome—Twenty Years After," *A.A.J.*, 1978, pp. 466-470). The bivy site and the foot of the northwest face of Half Dome were deep in the litter of hundreds of climbing parties. Certainly one of the most spectacular climbs in the world should not wallow in filth. Reacting to years of accumulation of garbage, the Sierra Nevada Section of the American Alpine Club arranged with the National Park Service to remove the trash in October. We would scour the area; they would fly it out by helicopter. We cleaned the wall from the base of Tis-sa-ack to the start of the standard route, and ten days later the 17 burlap bags were sling-loaded into a helicopter and removed. Thanks go to John Dill and Hal Grover of the Search and Rescue Group of the National Park Service, who helped us organize the project. The problem at Half Dome is chronic: A typical party packs in a big dinner anticipat-