but demanding climb is protected by three bolts and involves several F10 sections. NCCS I, F10.

TOM HIGGINS

Balconies, Shake and Bake, Pinnacles National Monument. In May Chris Vandiver and I discovered perhaps the most sustained and spectacular free route at Pinnacles. We climbed the Balconies' east face by way of a 350-foot indented, black water streak on the northern section of the Balconies. We placed 14 bolts for protection on the blank rock. NCCS II, F9.

TOM HIGGINS

Castle Crags, North Face of Castle Dome, Northern California. On June 22, Clay Cox, Mike Seeley and I climbed this route located in Castle Crags State Park. The climb began with a descent of a gully west of the Dome, to a large fir tree, just before a drop-off. From this tree, easy fifth-class face climbing led around a corner and ended on a huge ledge below the north face. An F8-pitch on the short wall above led to a second, smaller ledge. On the right side of this ledge, an F8, A1 corner was followed upward for 60 feet. Above, a 150-foot lead, involving moderate jamming and face climbing, ended 40 feet right of a conspicuous brushy terrace. A difficult traverse was required to reach it. From the left end of this terrace a small F8-dihedral was followed upwards until it merged with a smooth wall. We placed a bolt in order to complete an exposed pendulum to a second, easier open-book on the left. This dihedral led to another ledge. An easy ramp ended at a large pine tree 100 feet higher. The final long lead involved delicate and mostly unprotected face climbing (F8) and ended on the summit. On July 10 Clay Cox and I returned and descended the west gully further, via two rappels. From this point we climbed three pitches of moderate but tricky face climbing to the previously-mentioned huge ledge. Done in its entirety, the climb is 10 pitches. Except for the bolt, we climbed clean. NCCS IV, F8, A1

LINCOLN FREESE, *Unaffiliated*

Utah

Artist's Tears, Moab. Along the Colorado River, three miles east on Highway 128 from the junction of 163, there is an obvious northwest-facing, overhanging wall with black and brown streaks sweeping across what appears to be a totally featureless face. Molly Higgins and I were attracted to the route because of a fixed rope left on the first pitch. Not wanting to be "route-rippers," we continued to the Yosemite. There

we found the rope had been hanging for one year. Two days later, on May 28 Molly was reclimbing the first pitch. The route has three fairly long pitches, two being hard nailing and the last mostly bolts. The climb got character from our nailing up a small knifeblade and horizontal seam, which wandered up a 100-foot overhanging wall. NCCS IV, A4.

LARRY V. BRUCE, *Elk Mountain Climbing Club*

Three Penguins, Arches National Park. In November Larry Bruce, Molly Higgins and I did two short new routes on the Three Penguins formation. A moderate pitch starting right at the road ends on a large ledge at the base of the Penguins themselves. From here Larry led a spectacular chimney to the top. This had been tried several times before via the off-width on the outside of the crack, but after failing on this, Larry tunneled straight back into the chimney and did one of the most horrifying squeezers that I have ever done. A single runner around the chest was too much; for about four feet you could not move your head from side to side (F9). On the second day Molly and I did the spectacular crack to the right in two pitches. Harder technically, it ranged from finger- to off-width, but it was a relief after the constriction of the previous day (F10).

MICHAEL KENNEDY, *Elk Mountain Climbing Club*

Nevada

Rainbow Mountain, Correction. On page 452 of *A.A.J.*, 1976 it tells of a route climbed on March 3, 1975. This route was not done first at that time but had been done previously. Joe Herbst climbed it in early January, 1975, accompanied by Tom Kaufman and me. We did the route in a long day, entirely on nuts, and rated it NCCS III or IV, F7.

LAWRENCE HAMILTON, *Unaffiliated*

New Routes on Juniper Mountain, Red Rock Canyon, Charleston Range. Two interesting climbs were done on Juniper Mountain. Blackjack Buttress, a sharp prow facing the desert to the east, was climbed to its mid-pinnacle section on February 1 and 2 (with bivouac) by Alan Bartlett, Alan Roberts and me. The climb has excellent sandstone, but some of the pitches were very hard to protect; three pitches led by Bartlett were very steep (each F9). The final completion of the climb of the buttress was not logical, because of large ledges and a blank wall. A new rappel route was made, placing some bolts and pitons while hanging on the end of the rope. NCCS IV, F9. Juniper Buttress was climbed by Hooman Aprin, Mark Menge and me in February. This route, done in two days, follows the front of an obvious reddish buttress, quite visible