

Mr. Nielson and Mr. West were observed in the emergency room at St. John's all night long and vomiting was induced from time to time. They were released on the morning of the 11th, and both said that they felt normal after their "trip" in Garnet Canyon the day before. (Source: Renny Jackson, Ranger, Grand Teton National Park)

Analysis

Climbers and hikers take note: Debbie Reber of the Student Conservation Association went up to Garnet Canyon on August 11 and collected all the remaining mushrooms. With the help of two amateur mycologists, the mushrooms in question were keyed out to be of the *Amanita* variety. What with horses, climbers, and other critters up there, one never knows what may grow from one year to the next. (Source: J. Williamson)

FALLING ROCK, POOR POSITION

Wyoming, Tetons

Dick Arneson (age unknown) and Nelson Lichtenstein (39) were approaching the Southwest Ridge of Symmetry Spire at 1100 on August 14, 1984. Arneson had just reached the base of the ridge when he dislodged a loose rock. The rock, which was about the size of a honeydew melon, tumbled 70 meters down the slope and struck Lichtenstein on the knee. The climb was aborted and Lichtenstein began to hobble down the couloir with Arneson's assistance.

Another climber in the area descended and reported the accident to Ranger Funke at 1225 while she was riding up the horse trail to Cascade Canyon. Shortly after, Ranger Gagner headed up the trail to help. He reached the injured climber at 1255 a few hundred yards above the first headwall in the couloir. Lichtenstein was helped to the trail and given a horseback ride to the boat dock. He came across the lake on the boat and was driven to St. John's Hospital by his climbing partner. His injuries were diagnosed as a fractured fibula with associated ligament damage. (Source: Bob Irvine, Ranger, Grand Teton National Park)

Analysis

Parties ascending or descending couloirs or steep trails where there is the potential for dislodging rocks should travel either very close together or one at a time, each person moving to a secure location before the next moves. There were two other similar accidents in the Tetons resulting in fractures. (Source: J. Williamson)

FALL ON SNOW, INADEQUATE EQUIPMENT AND CLOTHING, WEATHER

Wyoming, Tetons

On August 14, 1984, Dan Winters (21) camped with six friends in the South Fork of Garnet Canyon. The next morning they ascended the Southwest Couloir of the Middle Teton. As they reached the summit the weather was showing signs of deteriorating. On the climb the party encountered a climber who told them there was a

shorter route between the Southwest Couloir and the South Fork of Garnet Canyon. It required crossing the snowfield at the head of the South Fork of Garnet. Heavy rains fell as the party descended the Southwest Couloir. Mr. Winters was dressed in cotton shorts, T-shirt, polypropylene top and Nike Approach shoes. He reported being very cold by the time they reached the bottom of the couloir. Because of the inclement weather, the party was anxious to return quickly to their camp. At 1400 they decided to take the shorter route into the South Fork of Garnet Canyon across the snowfield. Only one member of the party had an ice ax; Mr. Winters did not have an ax. Mr. Winters reported carefully kicking steps in the snow, but one foot slipped out of the footsteps and resulted in a 40 meter slide down the steep snow slope into the boulder field below. Mr. Winters struck the boulders with his feet and then tumbled 10 meters across the boulders. Mr. Winters' friends assessed his injuries and decided he was capable of walking out. At 1630 in Garnet Meadows, Rangers Eastman and Kimbrough were told by Mr. Ashliman about the accident. At that time Mr. Winters was 200 meters above the Meadows and proceeding slowly. Rangers Eastman and Kimbrough contacted Mr. Winters and his party at 1645. The injuries were assessed, the rescue coordinator contacted, and arrangements made to evacuate Mr. Winters by Kjerstad helicopter to St. John's Hospital. Before loading Mr. Winters into the helicopter a KED was applied. Mr. Winters was flown from Garnet Meadows about 1815; he was admitted to St. John's Hospital. He had a compression fracture of a thoracic vertebra and a renal contusion. Rangers Eastman and Kimbrough and the rest of Mr. Winters' climbing party hiked out to the Lupine Meadow parking lot. (Source: Barb Eastman, Ranger, Grand Teton National Park)

LOSS OF CONTROL—VOLUNTARY GLISSADE

Wyoming, Tetons

On September 9, 1984, Gwyne (51) and Marcel Davidson (26) left Surprise Lake at 0600 for a climb of Mount Owen via the Koven route. They reached the summit around 1500. They rappelled off the rock summit block, unroped, and started to glissade the first snow field. Gwyne accelerated quickly on the fast snow, rolled into an arrest position, but was unable to stop his descent. Gwyne slid approximately 50 meters down the snow, hit the rocks at the bottom and continued approximately 10 meters, stopping just short of the cliff band.

Marcel Davidson assisted his father in traversing to the the Koven Couloir, down which they subsequently made five rappels. The party ran out of daylight and spent the night. In the morning, Gwyne was unable to move due to injuries sustained in his fall. Marcel left to get help at 0800. He contacted Ranger Eastman below Surprise Lake at 0950. A rescue was initiated which culminated in the evacuation of Gwyne Davidson via helicopter. (Source: Peter Armington, Ranger, Grand Teton National Park)

LOSS OF CONTROL—VOLUNTARY GLISSADE, INADEQUATE EQUIPMENT, HEAVY PACK, INEXPERIENCE

Wyoming, Tetons

George Cooney (25) was part of a nine member group of instructors from an outdoor