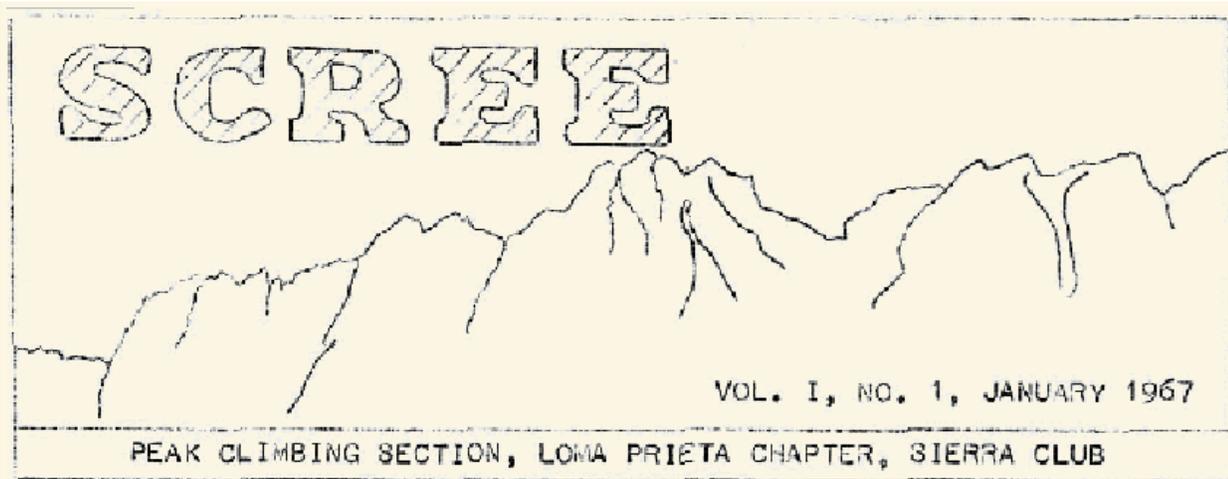


SCREE
VOL. I, NO. 1, JANUARY 1967
PEAK CLIMBING SECTION, LOMA PRIETA CHAPTER, SIERRA CLUB



NOTES

This is the first issue of SCREE, the newsletter of the Peak Climbing Section of the Loma Prieta Chapter, Sierra Club. In addition to Section news, such as reports and schedules for our meetings and trips, SCREE plans to publish regular columns on topics of interest to the peak climber, such as equipment, first aid, and techniques. To do this, SCREE needs contributions from Section members. Hints and kinks, and letters from members, are also welcome. Please send your contributions to

Mac MacDougall
478 Thompson Avenue
Mountain View

The first two Section climbs this year will involve several miles of snow travel into the base camp location. SCREE would therefore especially welcome contributions on ski or snowshoe travel and equipment. For example, notes on adapting downhill ski gear for cross-country travel would be welcomed by our skiing members.

Father Leo Hoefler, a principal organizer of the Winter Mountaineering course jointly sponsored by the Sierra Club and the National Ski Patrol, was featured in an article in *Penninula Living*, the weekend supplement of the *PALO ALTO TIMES*. This was one of those rare articles on (ski) mountaineering to appear in a daily paper. Several Section members attended this course, which covered basic and advanced first aid (taught by Section member Harry Weldon), mountaineering medicine, equipment, map and compass, and basic avalanche training. Our thanks go to Father Hoefler, Harry, Dave Walker, and all the others who worked so hard in organizing and presenting this course.

CLIMBS

The first climbing trip of the Peak Climbing Section will be a climb of Ralston and Echo Peaks, scheduled for February 18 and 19. The first day we will hike about five miles, with an elevation gain of 1000 feet, past the Lower and Upper Echo Lakes. Camp will be at Haypress meadows near Lake of the Woods. On Saturday afternoon we will climb Ralston Peak with its spectacular views of Pyramid Peak and Desolation Valley. On Sunday we will climb Echo Peak and enjoy its view of

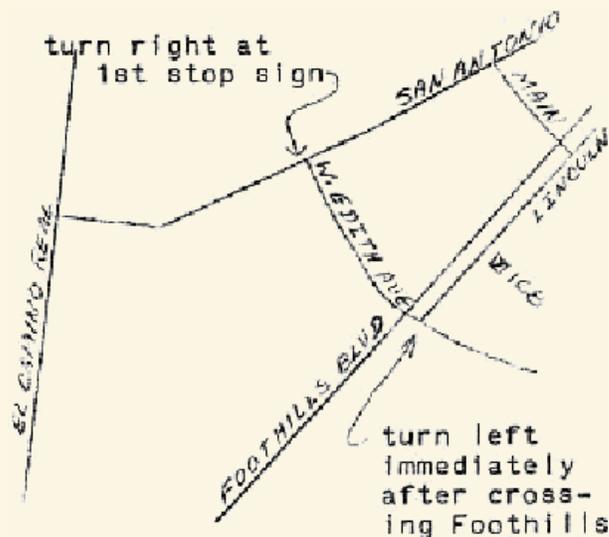
Lake Tahoe. Some snowshoe or ski touring experience is necessary. The area is covered on the Fallen Leaf Lake quadrangle (15 minute series). The leaders are

Clarence Aberg 948971741

Kurt Menning 266976641

MEETINGS

The December meeting of the Peak Climbing Section was held at the home of Clarence Aberg. The proposed bylaws were reviewed, modified and approved. The bylaws will be submitted to the Executive Committee of the Loma Prieta Chapter for approval, and will be published in a subsequent issue of SCREE. Bill Rausch showed slides of his climbs of Mexican volcanoes, one of which, Pico de Orizaba, is the third highest peak on the North American continent. These volcanic peaks were the subject of a recent article in SUMMIT magazine ("Climbing Mexico's Volcanoes", November 1966). Our January meeting will be held at 8:00 PM on Wednesday, January 11, at the home of Pauline Johnson, 168 Lincoln Avenue, Los Altos. The agenda will include knot tying practice for roped climbing, and a slide preview of our first section climb: Ralston and Echo Peaks. This will be a good time to discuss snow touring and camping.



EQUIPMENT - Map Mounting

Most of us carry maps on one occasion or another, particularly if off-trail travel is contemplated. The map used most often is the topographic map, 15 minute series, produced and sold by the U.S. Geological Survey and usually available from local sources (Penninsula Scientific in Palo Alto, for example). In National Forest areas, maps prepared by the Forest Service are available although somewhat harder to come by. (Although not recommended for field use, plastic raised relief maps are available from the Army Map Service: see the article "Topo Maps in SUMMIT", March 1965, page 27.) Unmounted maps wear out rapidly in the field, particularly near the folds. In this month's Equipment column, we shall discuss one way to mount a topographic map.

The 15 minute series topographic maps are approximately 17" by 21" in size. To mount one of these maps, we need some white glue (Elmer's Glue-All or similar piece of muslin slightly larger than the map, and a Formica work surface, such as the kitchen table. Begin by trimming 1" from each side of the map, and then cut the map into 9 5" by 7" sections. The piece of muslin is moistened and then laid out on the Formica surface. The back of each map section is then given a heavy coat of glue and placed in its proper position on the muslin. Pressure is applied to the map section to eliminate air bubbles and force glue into the weave of the muslin. Excess glue is removed with a wet cloth. The mounted map is then left to dry overnight. When dry, the map can

be peeled from the Formica surface (not without some effort) and the excess muslin trimmed. Dried glue can be removed from the Formica surface with a wet sponge. The mounted map is quite durable and will last for many trips. Although it is not waterproof, it will survive minor wettings.

MOUNTAINEERING MEDICINE - High Altitude Pulmonary Edema

High altitude pulmonary edema is an illness which may occur in individuals going to altitudes above 9000 feet without proper acclimatization. The illness is caused by the leakage of fluids from blood vessels into air sacs in the lungs, preventing sufficient oxygen from reaching the blood. The loss of oxygen disrupts the vital functions of the brain and heart. Symptoms appear within 6 to 36 hours after arrival at high altitudes. The first symptoms are shortness of breath and weakness on slight exertion. A persistent cough develops, and a gurgling sound in the chest may be heard. The heart rate becomes very high, the pulse is weak, and a blue tinge to the skin may develop. If treatment is not undertaken promptly, the victim may lose consciousness and death may occur.

A day or two of rest may be sufficient for recovery from mild cases; for severe cases, the required treatment is rest and the administration of oxygen. If oxygen is not available, the only recourse is evacuation to a lower altitude.

It appears that few, if any, cases of pulmonary edema are reported among weekend climbers, who often go from sea level to 10,000 feet in a space of a few hours. There may be several reasons for this. First, mild cases of pulmonary edema may go unrecognized or are passed off as altitude sickness. Secondly, the Sunday night trip home may be in progress by the time symptoms would otherwise occur. Finally, while climbers may go high during the day, they often sleep low at night.

Parties anticipating an extended stay at altitudes above 9000 feet should be on watch for symptoms of pulmonary edema and, if located in an area from which evacuation to a lower altitude might be difficult, should consider including oxygen in their supplies.

Dr. H. N. Hultgren, Associate Professor of Medicine at the Stanford School of Medicine, gave a talk on high altitude pulmonary edema at the Winter Mountaineering course mentioned elsewhere in this issue. Dr. Hultgren has written a number of papers on this subject, one of which, entitled "Treatment and Prevention of High Altitude Pulmonary Edemas" appeared in the AMERICAN ALPINE JOURNAL for 1965. In this article, Dr. Hultgren describes the symptoms and treatment of high altitude pulmonary edema, describes an oxygen apparatus suitable for field use, and discusses several case histories.

Mountaineering Knots I: Simple Bowline

