

Sierra Club Bulletin

January 1977/\$1.00



1977 Outing Issue

TALCHAKO LODGE

In scenic Tweedsmuir Provincial Park

A Sierra Club outpost for wilderness enthusiasts in the heart of the British Columbia Coast Range Mountains.



In 1972 a Sierra Club Wilderness Study Team visited the area around Talchako Lodge and made the following comments in their report: "The Talchako Wilderness Study Area is one of the least spoiled regions in North America. . . . Its forests and lakes are reminiscent of Quebec, its glaciated peaks bring to mind the Alps, its canyons are similar to Yosemite's and its rain forests are like those of the Olympic Peninsula. Most of the enormous floral and faunal fecundity of the region has been preserved. . . . very few areas in North America offer such a diversity of sublime wilderness scenery."

Activities and terrain available around Talchako Lodge and throughout the scenic Bella Coola Valley, where the Lodge is located, are suited to all levels of outdoor interests and abilities:

Day Hiking Along the Atnarko or Bella Coola Rivers, to eagle nests, waterfalls, Indian petroglyphs, up rugged mountain sides and through stands of gigantic old-growth firs.

Backpacking To the top of 1,320' Hunlen Falls, one of the highest waterfalls in North America, or to the gentle alpine meadows of the Rainbow or Cariboo Mountain areas.

Canoe Trips Through a 20-mile chain of seven lakes at the top of Hunlen Falls.

Climbing Unbelievable peaks up and down the Bella Coola Valley offer the greatest diversity of climbing imaginable. There are 3,000' polished granite walls, 6,000' rimrock bluffs and 6,000' to 10,000' snow and glacier capped peaks. The area has climbing for all levels of ability with first ascents still possible. The climbing season starts about May 1st.

River Trips Rubber raft and river boat trips down the Bella Coola and Atnarko Rivers can be arranged at the Lodge. The Atnarko offers challenging whitewater for river enthusiasts who are able to bring their own kayaks or canoes.

Mushrooming Is best in early autumn. Many common edible species may be found.

Fishing King salmon to 40 lb., Coho salmon to 20 lb., steelhead to 20 lb., and trout to five lb. All may be angled for in the Bella Coola and Atnarko Rivers. Excellent fly fishing available. All fishing is best in spring, autumn and early winter.

Cross-Country Skiing Available from December to early April on the valley floor and from November to June in the alpine areas. The entire area has been scarcely touched by winter enthusiasts. Unlimited potential for true winter wilderness experience.

Snowshoeing, Ski Mountaineering Untouched, unutilized potential in all directions for all capability levels. Snowshoes or skis a must for winter wandering and exploring.

Wildlife Throughout the Talchako wilderness a tremendous diversity of wildlife occurs—moose, deer, mountain goats, upland caribou, wolves, black bear, grizzly bear, wolverine, fox, otter, mink, martin, weasel, bald eagles, trumpeter swans, Canada geese, ptarmigan, grouse and many song birds are the most common species observed. Birdwatching is best in spring, and early summer. Eagles and bears are most common in autumn, swans and geese in winter.

Accommodations The Lodge offers hostel accommodations for up to twenty people, as well as four additional cabins equipped with wood cookstoves, bunks, kerosene lamps, and cooking utensils suited for families or small groups of up to six people. Showers and hot and cold water, as well as a few other amenities, are available, if at times scarce. Quality meals are available at reasonable rates.

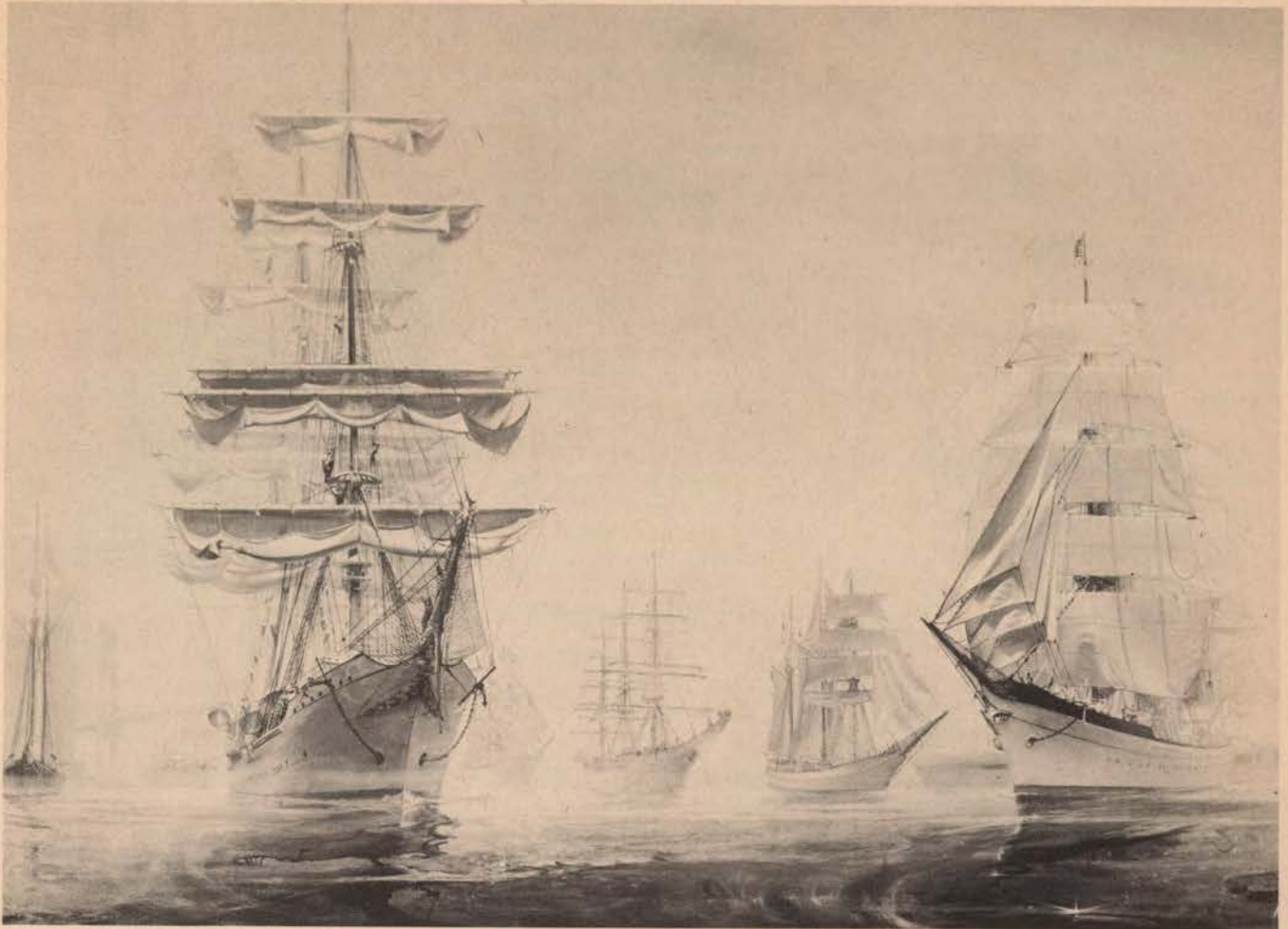
Access and Transportation Talchako is accessible by car, plane, bus or a combination of train and bus; it is a two-day drive from the Seattle-Portland area. The Talchako facilities are available year around, offering a group rate for more than ten people. Reservations should be made 60 to 90 days in advance for the summer season. For further information and reservations write to: Manager, Talchako Lodge, Hagensborg, B.C. VOT 1H0, CANADA or telephone: (604) 982-2489.

Sierra Club Outings at Talchako Lodge in 1977

- #22 Talchako Snowshoe Base Camp, Feb. 7-17
- #240 Talchako Lodge Service Trip, June 7-19
- #62 Talchako Lodge Base Camp, June 21-28
- #70 Talchako Lodge Base Camp, July 12-22
- #110 Talchako Lodge Wilderness Threshold, July 27-August 3
- #188 MacKenzie Trail Traverse Knapsack, August 4-14
- #195 Panorama Ridge Traverse Knapsack, August 17-27
- #80 Talchako Lodge Base Camp, Sept. 15-25

The above trips are part of the Sierra Club Outings Program and are available only to Club members. A brief description of each trip appears in this issue of the Bulletin. Inquiries about these trips should be made to the Sierra Club Outing Dept., 530 Bush St., San Francisco, CA 94108 (not to Talchako).

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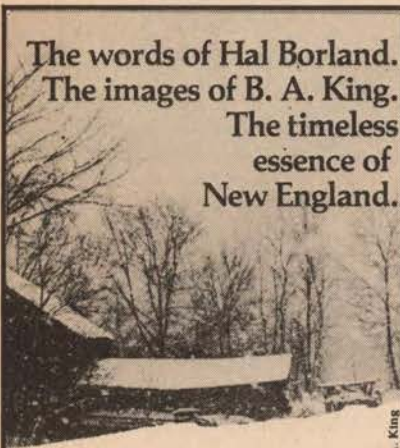
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Sierra Club Bulletin

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Volume 62/Number 1

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Founded in 1892, the Sierra Club works in the United States and other countries to restore the quality of the natural environment and to maintain the integrity of ecosystems. Educating the public to understand and support these objectives is a basic part of the Club's program. All are invited to participate in its activities, which include programs to "... study, explore, and enjoy wildlands."

Michael McCloskey *Executive Director*

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Canadian chapters, please write: Western Canada Chapter, Box 35520, Station E, Vancouver, B.C., Canada V6M 4G8 or Ontario Chapter, c/o National & Provincial Parks Assn., 47 Colborne St., Toronto, Ontario, Canada M5E 1E3.

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1977 OUTING ISSUE

John Ricker *Outing Committee Chmn.*
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Cover: Successful group wilderness expeditions depend on cooperation among participants, a willingness to pitch in when a job needs doing. This group makes final preparations before launching its rafts on the Snake River just below Hells Canyon Dam. Photographer: Russell D. Lamb.

The 1977 Outing Program

What can you expect of a Wilderness Outing?

For one thing, you can expect to have an experience whose sweet memory will cling through life, a memory of shared laughter and work, of smoky fires and upset schedules, of rainy days and campfire camaraderie. Tight bonds of memory will quickly form as your little group of strangers coalesces into a unit. The twin centripetal forces of isolation and common interest literally force a group into something stronger and better than the sum of its members. You will never forget your first Sierra Club trip.

Steering, guiding, advising your group will be a tiny staff. The leader and his assistant(s) will have planned the route, selected the menu and bought the food. Here's where your part begins. Each Sierra Club outing is a small, cooperative enterprise. The staff plans and directs, and you will be expected to pitch in and help. This really isn't too onerous. It usually means no more than that once or twice during a trip you will be asked to prepare dinner, breakfast and lunch, with the help of others. Almost everyone finds that our way of doing things results in an enjoyable and rewarding outing.

You should be ready to assume your share of the responsibilities, to offer your help without waiting to be asked, to volunteer time and skills, whether it



Sierra Club Photo

be toting water or storytelling. The camper who cheerfully and competently gathers wood, hauls water or helps with the cooking, packing up, pit-digging or fire-quenching will take pleasure in helping and find the work part of the fun.

On the other hand, if you expect to be waited on, if you expect someone to carry your pack and put up your tent, if you expect everything to go smoothly, with never a hitch, then it is likely you will be disappointed.

Each member has additional obligations. He should know his physical strengths and choose an outing on a par with them; he must not become a public charge. If he is uncomfortable at high altitude, he should choose a low altitude trip; if his feet are tender and hurt, he should stop and tape them; if he is subject to vertigo, he should keep off cliffs and talus piles; if he has no sense of direction, he should stay close to those who know the way. He should realize his capabilities and limitations and choose an appropriate outing.

Above all, he should be able to accept the unexpected cheerfully. Our trips do not run like clockwork. There is in addition, a further requirement, more subtle but even more important. It is the obligation of the individual to the group; he must be willing to seek a balance between self-reliance and excessive independence.

In charge of each trip is a leader. To him the club has given full authority

over every aspect of his trip. He decides who is qualified to go; how, when and where you go; whether you are qualified to climb that mountain or go on this side trip. He may even, in rare instances, dismiss someone from a trip. Most Sierra Club members are independent souls and dislike regimentation. The leader dislikes it too, and strives mightily to give free rein to each person's tastes and inclinations. However, the club is responsible for your safety and must make every effort to prevent your being lost or hurt. Carrying out this responsibility involves three simple, minimal rules-of-the-camp: 1) you accept the leader's decisions and instructions; 2) no one may wander off alone; 3) *with the leader's permission* you may do anything reasonable—you may try a different route, climb a peak, explore—as long as the leader knows exactly where you are going and as long as he thinks you are up to it.

Our outing program is not a commercial enterprise, and our leaders are not professional guides. They are competent and experienced, but they are volunteers, with jobs and families. They snatch hours from their evenings and weekends to scout and organize their trips, and they do the best they can. We are proud to say that their best is very good, if satisfied trip members are any criteria. However, things do go awry sometimes, and it is then the leader needs your cooperation the most, in adjusting to whatever can't be helped.



Paul Lenzhart



Base Camps

No other form of outing allows greater freedom to enjoy the wilderness than a trip with a fixed campsite. Our participants can exercise their individual choice from a wide range of activities: they can hike, climb, fish or do whatever they wish. Optional organized activities range from overnight knapsacking with food and utensils provided, strenuous peak climbs and cross-country trips to simpler nature walks or fishing trips, offered according to the temper of the trip membership. Usually trips begin with dinner at the roadhead. The following day, up to 30 pounds of dunnage per person will be transported from the roadhead to camp while trip members walk in. Everyone in camp meets for breakfast, dinner and campfire. Members take turns performing camp chores including meal preparation with instruction and aid from the camp staff. These chores require little time, and make everyone an active camp participant—not a guest. The various trips differ a bit to accommodate members' varying experience and abilities. Many of our trip locations are picked for current conservation problems which will be the subject of discussion. All of our camps are located in their subject areas in such a manner as to have minimum impact and our leaders and staff aim toward exhibiting proper wilderness procedures.

BASE CAMPS: Especially suited for newcomers and family groups, the hike in is usually easier and the activities less strenuous than Alpine Camps.

ALPINE CAMPS: Located in more remote spots and at higher elevations, these camps appeal to those wishing a more rigorous program and deeper probing of the wilderness. Cross-country hiking, overnight knapsacking and mountain climbing are popular.

BACK COUNTRY CAMP: Our most remote encampment, reached by a 2-day hike, this is primarily an adult trip though teen-agers are welcome. It is more a do-it-yourself camp where members are encouraged to conduct their own ventures, though staff leadership is always available.

DESERT CAMPS: Spring, fall, winter, when normal alpine excursions are out of the question, are favorable times for desert camping. With timing gauged to suit the chosen location, we will use the central base-camp format for desert trips. Members' automobiles will be used for in-trip transportation. Activities will be mainly day hikes to points of scenic, historic, or other interest.

MOUNTAINEERING CAMPS: For the weekend mountaineer to practice and perfect the finer arts of climbing. Particular attention will be paid to roped climbing

on both rock and ice. Climbing will be with qualified leaders and in small groups so you can experience and enjoy the camaraderie of the mountaineer. Participants need not be superclimbers, but should have mountain experience and a fair degree of stamina and motivation. It is not necessary that all members climb, but to assure a proper balance between climbers and nonclimbers, leader approval may be required.

(60-E) Natural History of the Mono Basin, California—June 18-25. Instructor, Will Neely. Leader, Dick May, 7 Neila Way, Mill Valley, CA 94941.

Mono Basin extends from the crest of the Sierra to the sagebrush belt and contains Mono Lake as its most prominent feature. We will study its history with the help of a professional naturalist. Daily excursions will take us to the lake, to nearby hot springs, to the Mono Craters and into the Sierra.

(61) Joyce Kilmer-Slickrock Wilderness, Nantahala Forest, North Carolina—June 18-25. Leader, Alan Goodman, 2637 Majestic Drive, Wilmington, DE 19810.

After a day or two at Horse Cove Campground allowing us to explore Joyce Kilmer Forest, we will hike 2 miles backpacking all our gear into the recently established Slickrock Wilderness for the rest of the trip. Our streamside camp in a deep, narrow valley will be the base for day hikes, fishing, swimming and loafing. This outing is ideal for older members as well as families with children age 6 and over.

(62) Talchako Lodge, Tweedsmuir Park, British Columbia—June 21-29. Leader, Gary Miltenberger, General Delivery, Hagensborg, B.C., Canada V0T 1H0.

(70) Talchako Lodge—July 12-22. Leader, Gary Miltenberger, address above.

(80) Talchako Lodge—September 15-25. Leader, Gary Miltenberger, address above.

Talchako wilderness is one of the least-spoiled regions in North America. Its forests and lakes are reminiscent of Quebec, its glaciated peaks are similar to Yosemite and its rain forests resemble those of the Olympic Peninsula. We will take hikes, enjoy a raft trip down the Atnarko River to the Bella Coola, and make one overnight excursion. Lodge accommodations are included in the trip cost.

(63) Sailing-Camping, Coast of Maine—June 26-July 2. Leader, Gerry Ireland, R.F.D. 2, Orrington, ME 04474.

The Penobscot Bay on the Maine coast is magnificent, as portrayed in Eliot Porter's *Summer Island*. This trip will be a week's exploration of islands in the area, including primitive camping and hiking on shore. Transportation will be by sailing schooner and landings by dory. There will be ample opportunity for bird-watching, sailing, photography, swimming, natural history, and star-gazing.

(64) Craig Lake State Park, Michigan—June 26-July 2. Leader, Virginia Prentice, 3000 E. Delhi Rd., Ann Arbor, MI 48103.

Craig Lake is managed as a primitive area. Roadhead is at Van Riper State Park, west of Marquette. Our small group will bunk in a semi-primitive lodge; hike, canoe, study nature, and enjoy some of the best fishing in the state. Trip is suitable for most. Families with 1 or 2 children 10 years and over are welcome.

(65) Slickrock Wilderness Photographers' Base Camp, Nantahala Forest, North Carolina—June 26-July 2. Leader, Dolph Amster, 1205 Edgevale Rd., Silver Spring, MD 20910.

A moderate hike will take us into a deep valley near the Tennessee-Carolina border. From this base, we will enjoy the highlights and shadows of streams, cascades, pools and adjacent ridges with rhododendron and laurel en route. We will explore the Joyce Kilmer Forest. Chores will be shared; all gear backpacked. Prior backpacking experience mandatory; leader approval required. Minimum age, 16.

(66) Treasure Lakes, John Muir Wilderness, Inyo, Sierra—July 2-9. Leader, Bob Miller, 25 Sharon Court, Menlo Park, CA 94025.

(67) Treasure Lakes, Sierra—July 9-16. Leader, Bob Miller, address above.

Our roadhead is at South Lake, 20 miles west of Bishop, at an elevation of 10,700 feet. To the west and south are mounts Gilbert and Goode, both over 13,000 feet, with Mt. Johnson (12,868 feet) between. All are class 2 climbs easily available from camp. Day hikes will take us to some of the many lakes to our east beneath Bishop Pass and the Inconsolable Range.

(68) Palisades Mountaineering Camp, John Muir Wilderness, Sierra—July 9-23. Leader, Sy Ossofsky, 237 South Mountain View Ave., Bishop, CA 93514.

Our camp will be at 10,600 feet on Big Pine Creek, near some of the largest glaciers and finest peak climbing in California. There will be instruction in climbing techniques on both ice



Billy Davies

and rock, and the opportunity for great climbs on a dozen or so of the challenging peaks that comprise the Palisades. There will be other activities for nonclimbers.

(69) Chain Lakes, Yosemite, Sierra—July 10-22. Leader, Dick May, 7 Neila Way, Mill Valley, CA 94941.

From our roadhead at Chiquita Creek (7,000 feet), we will cross Chiquita Pass into the southeast corner of Yosemite and continue up an easy grade to our camp near the lakes at around 9,000 feet. The trip in is 8 miles. Gale Peak (10,693 feet), Sing Peak (10,552 feet), and Red Top (9,997 feet) are all just a short distance from camp.

(71) Hilgard Creek Alpine Camp, John Muir Wilderness, Sierra—July 17-29. Leader, Emily Benner, 155 Tamalpais Rd., Berkeley, CA 94708.

Our streamside campsite (9,600 feet), with Mt. Hilgard above, is reached via a 9-mile trail up cascading Bear Creek. Elevation gain is about 2,200 feet. Members may go upstream to remote Lake Italy, ringed by Mt. Gabb, Mt. Julius Caesar and other 13,000 footers, or head up Bear Creek to any of the many lakes lying in surrounding basins. Some overnight trips will be offered.

(72-E) Sierra Nevada Natural History, Baboon Lake, Inyo Forest, Sierra—July 24-31. Instructor, John Stanley. Leader, Perry Harris, 2375 27th Ave. #1, San Francisco, CA 94116.

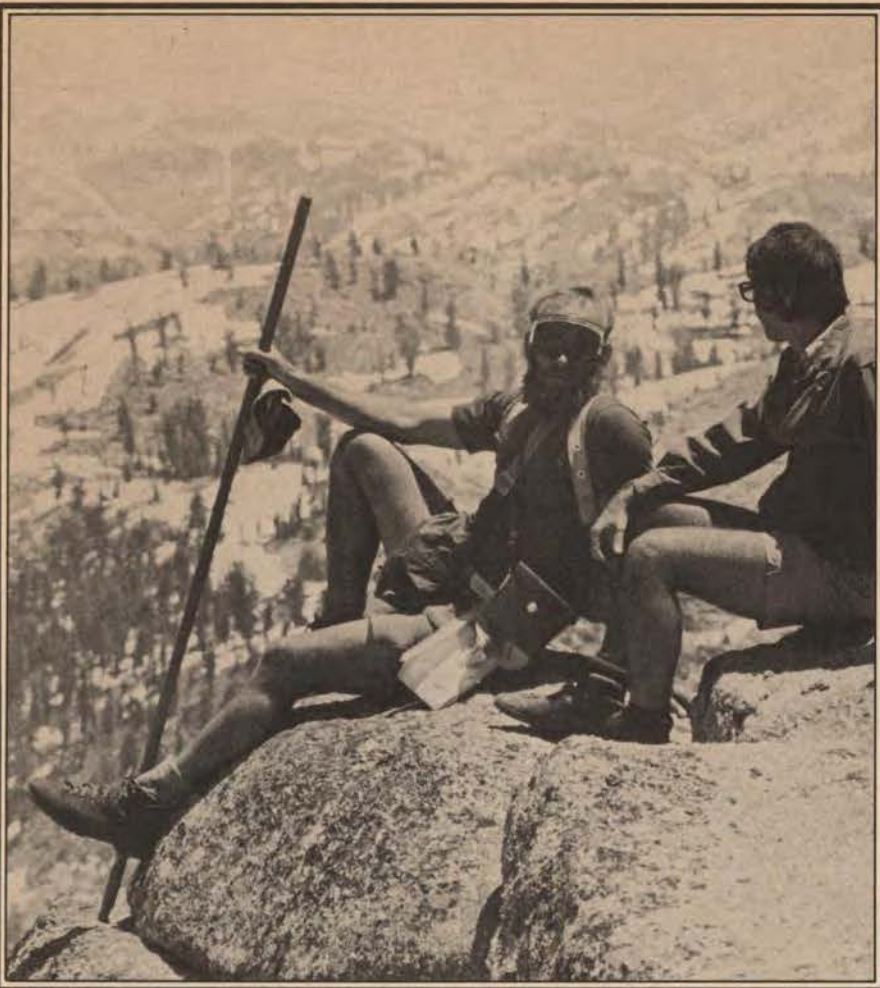
The forest of lodgepole and whitebark pines in the eastern Sierra will be the setting for this week-long nature study outing. Our camp at 10,700 feet is only 5 miles from Lake Sabrina and lies beneath such famous mountains as Darwin, Haekel, and Wallace in the Evolution group. From Baboon Lake we will explore the flora and wildlife of the Sabrina basin on trips to the numerous nearby alpine lakes.

(73) Jarbidge Wilderness, Humboldt Forest, Nevada—July 24-August 5. Leader, Hasse Bunnelle, Berth 7, Yellow Ferry Harbor, Gate 6 Rd., Sausalito, CA 94965.

Visit the Jarbidge Mountain Range, Nevada's only formally classified wilderness area, located in northeastern Nevada. A moderate 6-mile hike with 1,500 feet of climbing brings you through aspens, conifers and sagebrush to a little-used area with nearby peaks, streams and 2 lakes. Fishing is a fair hike away but there is abundant wildlife including deer, beaver, cougar and golden eagle.

(74) Baboon Lake, John Muir Wilderness, Inyo Forest, Sierra—July 31-August 5. Leader, Perry Harris, 2375 27th Ave. #1, San Francisco, CA 94116.

We will use the same campsite described under trip #72-E, the Sierra Nevada Natural History Camp. This week's session, however, will use the format of a standard base camp. Activi-



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To obtain the packet, send \$3.00 by check or money order to: Sierra Club, Information Services, 530 Bush St., IS 177, San Francisco, CA 94108.

ties may vary with the mood and interests of the participants, with the leader and staff on hand and ready to lead. The surrounding lake country affords ample day or overnight possibilities, and a climb of Mount Powell should be a must for all.

(75) Minarets West Alpine Camp, Minarets Wilderness, Sierra—August 7-19. Leader, John Freiermuth, 381 24th Ave., Santa Cruz, CA 95062.

From the Granite Creek roadhead you will hike through open pine and fir forest on trail and cross-country to the camp on Long Creek (9,300 feet). Here, after a moderately strenuous 11-mile hike, you can find true solitude in one of the more spectacular parts of the Sierra. The area offers excellent climbing on nearby Forester or Electra Peaks as well as fishing, knapsacking or hiking.

(76) Margaret Lakes, John Muir Wilderness, Sierra—August 7-19. Leader, Joanne Barnes, 298 Iris Way, Palo Alto, CA 94303.

Just below Silver Divide, Margaret Lakes lie in a large basin at the head of Silver Creek. Our camp at about 9,300 feet is some 8 miles in from Onion Springs. In this distance the trail climbs 2,500 feet to cross between Arch Rock and Saddle Mountain before dropping down into the basin. There will be day hikes, fishing, and a climb of Silver Peak (10,878 feet) for a rare view of the vast Sierra crest to the east.

(77) Hopkins Basin Back Country Camp, John Muir Wilderness, Sierra—August 13-27. Leader, Ray Des Camp, 510 Tyndall St., Los Altos, CA 94022.

From Lake Edison, a moderate 2-day hike up Mono Creek will bring us to our campsite near Lower Hopkins Lake (10,400 feet). The surrounding region is unusually scenic—you may continue up Hopkins Basin for a fine view over the Sierra crest; contour around to lake-filled Pioneer Basin; explore the Mono Recesses or ascend Laurel Canyon to sprawling Grinnell Lake. Possible climbs range from easy nearby peaks to the lofty mounts Mills, Abbot and Dade.

(78) Rangeley Lakes, Maine—August 14-20. Leader, Ted Reifenstein, P.O. Box 174, Lexington, MA 02173.

Our camp will be at a remote site near the shore of Mooselookmeguntic Lake, about 10 miles from the settlement of Oquossoc in the heart of the Rangeley Lakes. It will be possible to do some fine hiking on several of the western Maine peaks. We plan to have a fleet of canoes. The site and lakes provide ample opportunity for swimming, fishing and outdoor living in addition to considerable historic interest.

(79) Superior Lake Alpine Camp, Minarets Wilderness, Inyo Forest, Sierra—August 14-26. Leader, Robin Brooks, 818 Dartshire Way, Sunnyvale, CA 94087.

An 8-mile trek from the Devil's Postpile will take you to the campsite on King Creek at an ele-

vation of about 9,200 feet. Here at the southern end of the Minarets you are in the midst of an area of alpine lakes, meadows and mountain peaks. Activities here may include day hikes, from easy to strenuous, depending on your wants, overnight trips, mountain climbing, or whatever else might interest you.

(83) Death Valley Christmas Camp, California—December 18-27. Coordinator, Ray Des Camp, 510 Tyndall St., Los Altos, CA 94022.

Our camp will be at Texas Springs. We will explore, by auto and foot, as many of the fascinating parts of Death Valley as time allows. The side trips will include peaks, canyons, points of scenic or historic interest, or places exhibiting unusual examples of biologic or geologic nature. Though winter here offers warm days and brisk cool nights, be prepared for heavy winds and possible rain.

(84-E) Natural History of Organ Pipe Cactus National Monument, Arizona—December 18-27. Instructor, Pierre Fischer. Coordinator, Ray Des Camp, 510 Tyndall St., Los Altos, CA 94022.

Our camp will be near the Monument headquarters, and we will take daily trips by car and by foot to interesting points in the surrounding desert. Scheduled activities will be led by a qualified professional naturalist, but alternative trips may be available if desired. There are several mountain ranges within the park and though most activities will not be strenuous, trip members who wish may climb a peak or two.

Family Trips



Billy Davies

Family trips make up a wide range of outings, from the easier Wilderness Threshold camps for parents with young children, to knapsack trips* for families composed of veteran mountain-goers to canoe trips designed especially for families with teen-agers. Most trips are scaled to fit family needs; hiking days are short, climbs are not too steep and there are special rates. All get families into a wilderness they might otherwise not visit, with a minimum of cost and planning.

In the company of leader families qualified and willing to share their knowledge, families learn to get along in the wilderness. Mastering the intricacies of cooking, clothing, equipment and safety readies families for further participation in more strenuous Sierra Club outings or independently organized mountain or river trips. Along with this goes the pleasure of an all-family trip; ideas are shared, everyone has similar problems and children have both the fun of exuberant outdoor living and a set of similar-age confederates.

Menus are designed to appeal to both adults and children. Children get along fine on mountain food; a few days at high altitude develops an appetite in any picky eater. *See Knapsack Trips.

Exertion is generally mild but short hikes near home or other activities such as bicycling or jogging prepare the city-dweller for unaccustomed exercise in high mountains. If at all possible, families should spend a couple of days before the trip at high altitude for acclimatization. A little pre-conditioning will make everyone (especially parents) feel better throughout the trip. If your family has never camped away from your car before, your first trip might be to a Wilderness Threshold camp for one week.

All family members should be competent swimmers to qualify for canoe trips; the Red Cross Course in basic canoeing will also be helpful.

Wilderness Threshold

The Wilderness Threshold Program is designed to educate entire families, who have little or no wilderness experience, in the techniques of back-country camping. In addition to learning the basic skills (camp selection, cooking with lightweight foods, proper use of equipment), each trip will try to increase your knowledge and

awareness of the ecological system of the area and stress minimum impact upon it. Trips actively render service by cleaning up scarred and littered areas. It is hoped that your Threshold experience will make your family more aware, more knowledgeable, and more responsible in your use of the wilderness, and perhaps more active in the conservation cause.

Threshold camps are usually located far enough from the road to give a taste of real wilderness, yet close enough so even young children can hike in comfortably on their own. Two- to four-year-olds may need help hiking into camp but have a marvelous time once there. Pack stock is usually used to transport food, dunnage and equipment from roadhead to camp. The area surrounding each campsite offers opportunities for varied activities: nature study, day hikes, fishing, possibly swimming, peak climbing and rock scrambling. Each participant family (adults and teen-agers) will take its turn at commissary duties and helping with other camp chores. The group meets for breakfast and dinner, with lunch being packed at breakfast. Most activities are informal and unstructured which leaves free time to explore the surrounding area. Evenings center around

group activities. Those with musical interests are urged to bring their instruments and play. Instruments do not count in your dunnage weight.

Trip participants should consult both the Wilderness Threshold supplement and the trip leaders for advice on equipment and clothing for the specific trip and the specific area where they will camp. The supplement will be sent to each family upon receipt of their application.

Before you choose a trip, read each description carefully; there are camps for families with teenagers, and others with varying age limits; some are more remote and harder to reach. If you have any questions regarding the difficulty or age format of the trip, please contact the trip leaders before submitting your application.

General good health is required; otherwise no special training or skills are necessary for the trip, only the desire for all family members to participate in a wilderness experience. Threshold trips are designed to be an introductory experience; therefore, preference is generally given to families who have never participated on this type of outing. As before, *the final decision about the make-up of a trip rests with the leaders.*

Except for Trips #105 and #117, the initial lists of participant families will be established by a lottery system. The lottery will include all reservations received by March 1, 1977. Families will be selected at random and the trip lists established.

In completing your application, remember:

1. Each family may apply for only one Wilderness Threshold trip.

2. Only parents and their own children can be accepted.

3. Wilderness Threshold trips are cooperative ventures and the camp chores, child care, etc., are geared to two parents accompanying their children. However, most trips accept at least one single-parent family. (An alternative to consider is a Base Camp, especially one with a family rate.)

(105) Gila Wilderness, Gila Forest, New Mexico—July 3-8. Leaders, Ann and Jerry Kalman, 6240 E. Charter Oak Rd., Scottsdale, AZ 85254.

A gentle hike of 6-8 miles with pack animals carrying equipment and small children takes us to our mountain base camp (7,000 feet) alongside a Gila River tributary. Hiking, fishing, nature study and wilderness appreciation in forest, meadow, canyon and along cool streams can be enjoyed by families with kids ranging from 10 years down to infants who can be carried by parents.

(106-E) Nature Education, Marble Mountain Wilderness, Klamath Forest, Northern California—July 9-16. Instructor, John Stanley. Leaders, Linda and Ed Best, 146 Via Copla, Alamo, CA 94507.

Nature education will be a special emphasis on this trip, with the help of John Stanley, a naturalist and ecological consultant. The trip will be



Herbert Horn

limited to families with children 12 and under, and participants should expect a number of structured activities to take advantage of Mr. Stanley's knowledge and background. (See below.)

(107) Marble Mountain Wilderness, Klamath Forest, Northern California—July 16-23. Leaders, Anne and Jim Williams, 9424 Sunnyside Ave., Ben Lomond, CA 95005.

The Marble Mountain Wilderness is noted for its high-mountain scenery at low elevations. An easy 4-mile hike with a gradual elevation gain ends at our streamside camp, at 5,400 feet. Camp will be located alongside a wide meadow within walking distance of many lovely lakes, peaks and ponds. The area has abundant and varied flora and fauna and we encourage families with an interest in nature study. Young children welcome.

(108) Imogene Lake, Sawtooth Wilderness, Idaho—July 19-27. Leaders, Patty and Dave Boyle, 90 Ranch Rd., Woodside, CA 94062.

(109) Imogene Lake, Sawtooth Wilderness, Idaho—July 27-August 4. Leaders, Bliss and Allen Ream, 288 Miramontes Rd., Woodside, CA 94062.

We will camp at 8,500 feet in the Sawtooth Wilderness, a jagged range beside the headwaters of the Salmon River, an area of many beautiful alpine lakes. Activities will include day hikes, fishing, looking for wildlife such as elk and big-horn sheep, enjoying the wildflowers, easy rock climbing, and just relaxing to enjoy the magnificent country around us. Children of all ages are welcome.

(110) Talchako Lodge, British Columbia, Canada—July 27-August 3. Leaders, Julianne and Robert Jones, 4410 Meadowbrook Dr., Richmond, CA 94803.

The forty-year-old lodge will serve as a base for hikes into the Caribou Mountains; a raft adventure on the Bella Coola River; an overnight expedition into the tundra-like Rainbow Mountains; and a fishing-vessel excursion through the magnificent Burke Channel fjord. Family activities will include searching for caribou, the elusive wolf and bald eagles; salmon and steelhead

fishing; making rubbings of Salish Indian rock carvings; photography; and visiting hot springs.

(111) Emily Lake, Minarets Wilderness, Inyo National Forest, Sierra—July 27-August 3. Leaders, Susan and Bob Munn, 2214 Anza Ave., Davis, CA 95616.

(112) Emily Lake, Minarets Wilderness, Inyo National Forest, Sierra—August 3-10. Leaders, Judy and Jonah Freedman, 431 Buena Vista, Santa Rosa, CA 95404.

Our hike in will be a gradual 5½ miles, gaining about 2,200 feet. The camp at 9,800 feet will be near lakes that provide good fishing, hiking and exploring. The ridge above Emily provides a fantastic view of Banner Peak and Mt. Ritter. The first trip is for all ages while the second is designed for primary grade children. Both trips welcome inexperienced families wishing to learn wilderness camping techniques.

(113) East Fork Rock Creek, Inyo Forest, Sierra—August 13-20. Leaders, Bonnie and Barry Howard, 5288 Kathy Way, Livermore, CA 94550.

From our roadhead at Rock Creek Lake we will hike 4 miles, with an elevation gain of 600 feet, to our campsite near Dorothy Lake in the wide basin of the East Fork of Rock Creek (10,400 ft). There are many opportunities for day hikes suitable for the entire family, lakes for fishing and swimming, lovely meadows and wild flowers to enjoy, and for the adventuresome, Round Valley Peak and Mt. Morgan to climb. Families with children of all ages are welcome.

(114) Chamberlain Basin, Sawtooth National Recreation Area, Idaho—August 16-24. Leaders, Myrna and Tom Frankel, 3230 Jackson St., San Francisco, CA 94118.

(115) Chamberlain Basin, Sawtooth National Recreation Area, Idaho—August 24-September 1. Leaders, Ann and Doug Christensen, 520 Woodland Rd., Kentfield, CA 94904.

The jagged Sawtooth range will be the setting for trips open to families with children of all ages. From Germania Creek we will hike 7 miles, climbing 2,000 feet, before dropping into the magnificent Chamberlain Lakes basin. Our campsite will be below Castle Peak at an elevation of 9,400 feet. We will have good fishing in the 10 nearby lakes and streams and there will be ample opportunity for scrambling up and exploring the adjacent rocky ridges and peaks.

(116) Navajoland Teenage Trip, Canyon de Chelly, Arizona—August 28-September 3. Leaders, Joyce and Sid Alpert, 7701 Teesdale Ave., N. Hollywood, CA 91605.

We will walk the Indian trails of Canyon de Chelly and del Muerto with Navajo guides, leisurely hiking the canyon floor. With special permission, our group will have the opportunity to camp in the canyon on our guide's land. We will visit sandpainters and rug weavers. Preference given to families with at least one teenager; younger siblings are welcome, minimum age 10 or with permission of leaders.

(117) Mt. Desert Island, Acadia National Park, Maine—September 11-17. Leaders, Patricia and David Harrison, Hulls Cove, ME 04644.

Camp at a beautiful wooded campground. Short trips on beaches, trails and carriage roads. Sailing, canoeing and island boat trips where possible. Generally enjoy this spectacular area of the Maine coast. Limited to families with children under 6.

Family Canoe Trips

The Family Canoe Trips are designed for families with at least one teen-ager. They introduce families to the thrill of running easy rivers, exploring the hillsides and swimming in the deep pools. Some instruction in canoeing and water safety will be provided by the leader. Everyone shares in meal preparation under the supervision of the commissary chief. On most trips, canoes and paddles are provided. Partial families and an occasional teen-age friend are welcome. Final approval of applicants will be determined by the leader.

(120) Klamath River Teen-Age Trip, Northern California—July 30-August 6. Leader, Judy Hacker, 303 Johnstone Dr., San Rafael, CA 94903.

We will board a jet-boat for a guided tour upriver about 32 miles to our first campsite. After two days of reviewing canoeing skills, we will start back down the river. En route we will see Indians catching fish in nets, bear prints, canoe cedars, and hear the cry of the far-off mountain lion. Swimming, fishing and hiking will be daily activities. The weather should be warm and sunny upriver but a bit cooler near the ocean fogs. Minimum age, 8. Canoes are provided.

(121) Kipawa Reserve Family Canoe—Base Camp, Quebec, Canada—August 17-25. Leader, Jim Finucane, 5881 Nebraska Ave., NW, Washington, D.C. 20015.

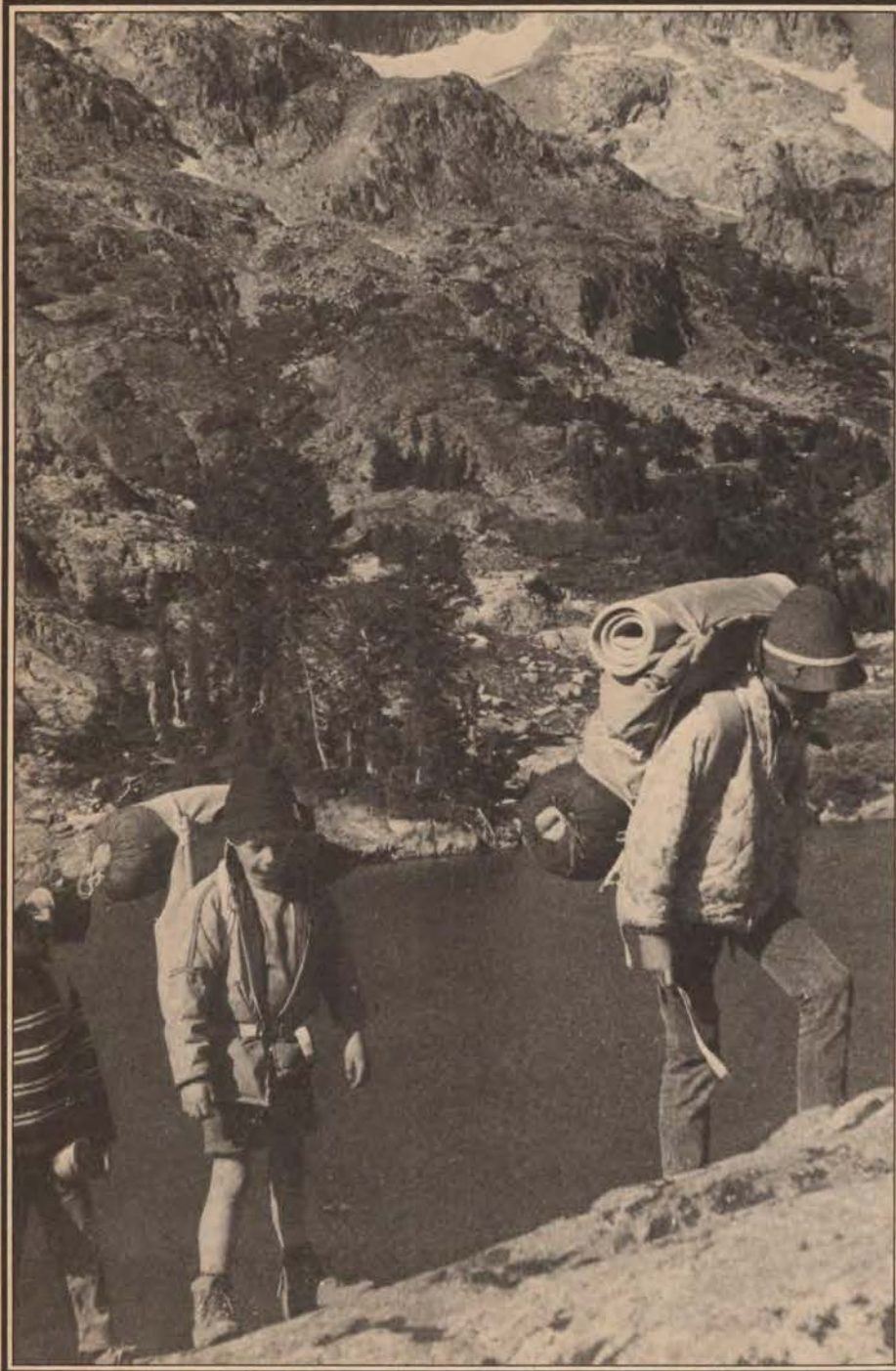
We will be transported by motorboat to a wild and scenic expanse of forest, rivers and lakes north of Algonquin Park. We will paddle for two days to Lac Sairs and establish an island base camp. The next four days will be spent in relaxed fishing, canoeing, swimming and nature studies. Canoe travel involves rivers and lakes but no rapids. Participants should have basic canoe and swimming skills. Minimum age is four years, dependent upon experience and leader approval. Canoes not provided; rentals available.

(122) Moose River Family Canoe, Maine—August 24-31. Leader, Tony Josepher, 339 Cold Spring Rd., Syosset, NY 11791.

A leisurely trip in the beautiful Attean Lake and Moose River region of northwestern Maine. We will establish a base camp at Attean Lake. There will be a 30-mile 3-day side trip down the Moose River returning to the base camp. For the less ambitious, fishing in the lakes is excellent, as are swimming conditions. Some canoeing experience is desirable. The trip is suitable for families with very young children. Canoes not provided; rentals available.

(123) Rogue River Teen-Age Trip, Oregon—August 28-September 3. Leaders, Carol and Howard Dienger, 3145 Bandera Dr., Palo Alto, CA 94304.

From Gold Beach on the coast, a jet-boat will carry us, our canoes and dunnage 35 miles upriver to Agness. We will have three layover days and, on canoeing days, there should be plenty of time for exploring, swimming or relaxing. There are easy rapids and flat sections and possible fishing for steelhead and salmon. Experience is not necessary at the time of sign-up, but some canoeing skills should be developed by trip time. Minimum age 9. Canoes provided.



Carol L. Dienger

Family Knapsack Trips

Family knapsacking requires teamwork. If you and your family have tried knapsacking and like it, and want to learn more from the experienced family knapsackers who'll lead, here is your opportunity.

Ages of youngsters will vary from a minimum of 6 or 7, depending on the age composition of your older children. A certain family carrying power is needed.

All youngsters must be able to walk the distance and carry part of the family's personal and community load.

(128) Silver Lake, Lassen Park, Northern California—July 3-9. Leaders, Ken and Anneliese Lass, 712 Taylor Ave., Alameda, CA 94501. Trip rating: L.

(129) Bear Creek Spire Teenage/Family, Sierra—August 14-22. Leaders, Carol and Howard Dienger, 3145 Bandera Dr., Palo Alto, CA 94304. Trip rating: M.

Knapsack Trips



Jan Robertson

Of all the Club outings, knapsack (backpack) trips are the most challenging. They require both good organization and physical conditioning—in a word, *PREPARATION!* Into a backpack, which always looks too small, the knapsacker crams roughly 35-40 pounds (how long is the trip?) of food, sleeping bag, shelter and personal necessities. All this is happily carried up canyons, across streams and arctic-like glaciated basins and over instead of around mountains. The attractions of knapsacking are evident in the increasing number of participants, from all walks of life, ranging all the way from muscular athletes to mere striplings. Today, easily 8 out of 10 wilderness visitors wear knapsacks.

Knapsack trips run on the philosophy that everyone shares equally. Each participant brings a frame backpack, sleeping bag, shelter and personal gear. Each member, moreover, carries these items, plus a fair share of community food, commissary equipment and emergency supplies. All should have a reservoir of strength for a helping hand to a fellow trip member who may need it. On the trips, the members take turns cooking and helping with the camp chores.

This year we are trying a new way of publicizing knapsack trips. We want to say more about each trip, but spend less of this expensive *Bulletin* space acquainting you

with each outing. Rather than aim the details at 150,000 Club members, we are shooting at the knapsackers in the Club. We list all trips, as usual, but have saved the detailed descriptions for a special knapsack brochure, which the office is ready to send to all who ask for it. They'll send you specific trip supplements with complete particulars about each of the trips, too, just as in the past. You will notice a new feature in the trip listings. We have rated the individual trips, so as to give you a rough idea of relative difficulty—difficulty measured in miles, amount of cross-country travel, climb, steep descent and the elevation of the outing overall. The supplement tells you a lot more about a trip's strenuousness, but we want to key the trips here so that you can choose one suiting your ability or inclinations. The ratings are: Leisure (L); Leisure-Moderate (L-M); Moderate (M); Moderate-Strenuous (M-S); Strenuous (S). Leisure would describe a trip whose daily mileages are fairly easy, perhaps up to 25-35 miles in a week of 4-5 actual hiking days, the remainder being layover days. Moderate refers to longer trips, perhaps 35-55 miles in a week. They'll include tougher climbing and more off-trail route finding. When the word Strenuous creeps in, look for as many as 60-70 miles per week, the difficulty helped along by continual high elevation, seasonal conditions, and greater

extremes in the ups and downs. Remember, though, all trips, however easy the rating seems, have strenuous hours.

All trips require the leader to approve each applicant before final acceptance. He or she will ask you to write in response to questions in the supplement to ascertain your knapsacking experience and physical condition. Unless specified otherwise, minimum age for the trips, excluding the Junior Knapsack Trips, is sixteen.

(160) Trinity Alps Mountaineering, California—June 1-8. Leader, Norm Weeden, 3571 F St., Eureka, CA 95501. Trip rating: S.

(161) White Mountain Forest, Appalachian Trail, New Hampshire—June 2-11. Leaders, Duncan and Sue Bailey, 155 Scotland Rd., Norwich, CT 06360. Trip rating: M.

(162) Sierra de San Pedro Martir, Mexico—June 5-11. Leader, Tom Pillsbury, 1735 Tenth St., Berkeley, CA 94710. Trip rating: L-M.

(163) Canyon de Chelly, Arizona—June 5-11. Leader, Don Lyngholm, Box 998, Shiprock, NM 87420. Trip rating: L-M.

(164) Black Range Primitive Area, Gila Forest, New Mexico—June 12-18. Leader, John Colburn, 11109 Shoreline Dr., El Paso, TX 79935. Trip rating: M.

- (165) Skyline Trail, Pecos Wilderness, New Mexico—June 19-25. Leader, Joanne Sprenger, 2805 8th St., Las Vegas, NM 87701. Trip rating: L.
- (166) Matterhorn Peak, Yosemite, Sierra—June 20-29. Leader, Chris Carman, 5843 Balboa Dr., Oakland, CA 94611. Trip rating: M-S.
- (167) Royal Arch Roundabout Leisure Loop, Yosemite, Sierra—June 22-29. Leaders, Marion and Bob Berges, 974 Post St., Alameda, CA 94501. Trip rating: L-M.
- (168-E) Southern Sequoia Field Biology, Sequoia Park, Sierra—June 23-July 4. Instructor, Mary Coffeen. Leader, Walter Goggin, 18836 Lenross Ct., Castro Valley, CA 94546. Trip rating: L.
- (169) Dolly Sods Leisure Knapsack, West Virginia—June 26-July 2. Leader, Elihu Leifer, 9004 Levelle Dr., Chevy Chase, MD 20015. Trip rating: L.
- (170-E) Bigfoot Country, High Siskiyou Wilderness Study, Northern California—July 3-14. Instructor, John Hart. Leaders, Emilio and Bobbie Garcia, 87 Glen Eyrie #30, San Jose, CA 95125. Trip rating: L-M.
- (171) Hanging Lake, Le Conte Divide, Sierra—July 11-19. Leaders, Gary and Leslie Young, 45 Erma Lane, Davis, CA 95616. Trip rating: M.
- (172) Adirondacks, Adirondack Park, New York—July 17-23. Leader, Wes Miller, 126 Tollgate Rd., Warwick, RI 02886. Trip rating: M.
- (173) McGee Lakes, Kings Canyon Park, Sierra—July 17-24. Leader, Phil Gowing, 1265 N. Capitol, Apt. 17, San Jose, CA 95132. Trip rating: M-S.
- (174) Tyndall Creek, Sequoia Park, Sierra—July 17-27. Leader, Ken Maas, 3719 Emerson St., #1, Oakland, CA 94610. Trip rating: M-S.
- (175) Mount Zirkel Wilderness, Colorado—July 18-23. Leader, Bill Murphy, 54 Bellmore Ave., Point Lookout, NY 11569. Trip rating: M-S.
- (176) Green River Lakes Leisure Loop, Bridger Wilderness, Wyoming—July 18-28. Leaders, Charles and Virgene Engberg, 6906 Birchton Ave., Canoga Park, CA 91307. Trip rating: L.
- (177) Mt. Sill, Kings Canyon Park, Sierra—July 18-28. Leader, Bob Berges, 974 Post St., Alameda, CA 94501. Trip rating: M.
- (178) Glacier Peak Wilderness, North Cascades, Washington—July 19-27. Leader, Jane Rondthaler, 5014 S.W. Custer, Portland, OR 97219. Trip rating: M-S.
- (179) Kings Peak, High Uintas Primitive Area, Utah—July 20-29. Leader, Earl Schnick, 1715 Hamlet Dr., Ypsilanti, MI 48197. Trip rating: M.
- (180) Mt. Humphrey, John Muir Wilderness, Sierra—July 22-29. Leader, Serge Puchert, 37 Southridge Ct., San Mateo, CA 94402. Trip rating: M.
- (181) Appalachian Trail, Crocker Mountains to Saddleback, Maine—July 24-30. Leader, Don Abrams, Box 164, Waterville, ME 04901. Trip rating: M.
- (182) Minarets-Bench Canyon, Minarets Wilderness, Sierra—July 27-August 7. Leader, Matt Hahne, 1950 Cooley Ave., Apt. 2109, Palo Alto, CA 94303. Trip rating: M.
- (183-E) Grizzly Meadow Photography, Emigrant Basin Wilderness, Sierra—July 30-August 7. Instructor, Bruce Barnbaum. Leader, Bob Maynard, 116 Orchard Rd., Orinda, CA 94563. Trip rating: M.
- (184) Southern Wyoming Range, Bridger Forest, Wyoming—August 1-7. Leader, Jackie Kerr, P.O. Box 5002, Springfield, MO 65801. Trip rating: L.
- (185) Colosseum Mountain, Kings Canyon Park, Sierra—August 1-10. Leader, Jim Watters, 600 Caldwell Rd., Oakland, CA 94611. Trip rating: S.
- (186) Big Horn Crags, Idaho Primitive Area, Salmon National Forest, Idaho—August 1-11. Leader, Janna Naylor, 130 Pearl St., #701, Denver, CO 80203. Trip rating: M-S.
- (187) Goddard Creek, Kings Canyon Park, Sierra—August 2-13. Leader, Ray Collins, 490 Post St., #735, San Francisco, CA 94102. Trip rating: M.
- (188) MacKenzie Trail Traverse, Tweedsmuir Park, British Columbia—August 4-14. Leader, Gary Tepfer, 2011 Elk Dr., Eugene, OR 97430. Trip rating: L-M.
- (189) Big Baldy-Pistol Creek, Idaho Primitive Area, Idaho—August 7-20. Leader, Arthur Beal, Box 63, Sweet, ID 83670. Trip rating: L-M.
- (190) North Yosemite Valleys and Peaks, Sierra—August 8-16. Leaders, Louise and Cal French, 1690 N. 2nd Ave., Upland, CA 91786. Trip rating: L-M.
- (191-E) Geology of the Eastern Escarpment Leisure, Sierra—August 8-16. Instructor, Marlin Dickey. Leader, Mary Coffeen, 851 Amador, Claremont, CA 91711. Trip rating: L-M.
- (192) Goblin Gates, Olympic Park, Washington—August 9-18. Leaders, Harry and Molly Reeves, Rt. 2, Box 174F, Oakley, CA 94561. Trip rating: M-S.
- (193-E) Southern Sierra Art, Sequoia Park, Sierra—August 12-19. Instructor, Charles Zlatkoff. Leader, Ellen Howard, 535 Morey Dr., Menlo Park, CA 94025. Trip rating: L-M.
- (194) Flat Tops Wilderness Area, White River Forest, Colorado—August 15-26. Leaders, Anne McCutchan and Lois Snedden, 907 Normandy Rd., Leucadia, CA 92024. Trip rating: M.
- (195) Panorama Ridge Traverse, Tweedsmuir Park, British Columbia—August 17-27. Leader, Jane Rondthaler, 5014 S.W. Custer, Portland, OR 97219. Trip rating: M-S.
- (196) Baxter State Park, Mount Katahdin, Maine—August 20-27. Leader, Philip Titus, Caller Box 5000, Canterbury School, New Milford, CT 06776. Trip rating: M-S.
- (197) Absaroka Range, Shoshone Forest and Yellowstone Park, Wyoming—August 22-31. Leader, Bob Madsen, 3950 Fernwood Way, Pleasanton, CA 94566. Trip rating: M.
- (198) Deer Park, Olympic Park, Washington—August 22-September 1. Leader, Rich Wisowaty, 911 Anita Court, Lafayette, CA 94549. Trip rating: M.
- (199) Sunny Side of Silver Divide, John Muir Wilderness, Sierra—August 24-31. Leader, Jim Skillin, 3756 Sundale Rd., Lafayette, CA 94549. Trip rating: M.
- (200) Palisades, Kings Canyon Park, Sierra—August 25-September 4. Leader, Gordon Peterson, 1776 Vining Dr., San Leandro, CA 94579. Trip rating: M.
- (201) Mineral King to Kings Canyon Park, Sierra—August 26-September 5. Leader, Pete Nelson, 5906 Dirac St., San Diego, CA 92122. Trip rating: M.
- (202) Superior Shoreline Leisure Trek, Michigan—August 29-September 4. Leader, Virginia Prentice, 3000 E. Delhi Rd., Ann Arbor, MI 48103. Trip rating: L.
- (203) Trinity Alps Back Country Leisure Loop, Northern California—September 1-11. Leader, Len Lewis, 2142-A Alameda Ave., Alameda, CA 94501. Trip rating: L.
- (204) Bighorn Plateau, Sequoia Park, Sierra—September 6-14. Leader, Ralph Huntoon, 25879 Girard St., Hemet, CA 92343. Trip rating: L.
- (212) Little Colorado, Grand Canyon Park, Arizona—October 2-8. Leader, Nancy Wahl, 325 Oro Valley Dr., Tucson, AZ 85704. Trip rating: M-S.
- (213) Grand Canyon, Grand Canyon Park, Arizona—October 9-15. Leader, Lester Olin, 2244 Avenue A, Yuma, AZ 85364. Trip rating: M.
- (214-E) Sandrock Country Ecology, Escalante Canyon, Utah—October 16-22. Instructor, Pierre Fischer, botanist. Leader, Edith Reeves, 1739 East San Miguel Ave., Phoenix, AZ 85016. Trip rating: L.
- (215) Upper Buffalo Fall Color Backpack Trip, Upper Buffalo Wilderness, Arkansas—October 16-22. Leader, Jackie Kerr, P.O. Box 5002, Springfield, MO 65804. Trip rating: L-M.
- (216-E) Grand Canyon Geology, Grand Canyon Park, Arizona—December 18-24. Instructor, Marlin Dickey. Leader, Tom Pillsbury, 1735 Tenth St., Berkeley, CA 94710. Trip rating: M.
- (217) Sea Islands Leisure, Georgia—December 25-January 1. Leader, Steve Johnson, Box 7, West Point, GA 31833. Trip rating: L.
- (218) Superstition Wilderness, Arizona—December 27-January 1. Leader, Dave Ganci, 6737 N. 18th Place, Phoenix, AZ 85016. Trip rating: L.
- (219) Grand Canyon, Grand Canyon Park, Arizona—December 27-January 2. Leader, Lester Olin, 2244 Avenue A, Yuma, AZ 85364. Trip rating: S.
- (220) Pinacate Peak, Gran Desierto, Sonora, Mexico—December 29-January 2. Leader, Chuck Kroger, Environmental Research Lab., Tucson International Airport, Tucson, AZ 85706. Trip rating: S.

Junior Knapsack Trips



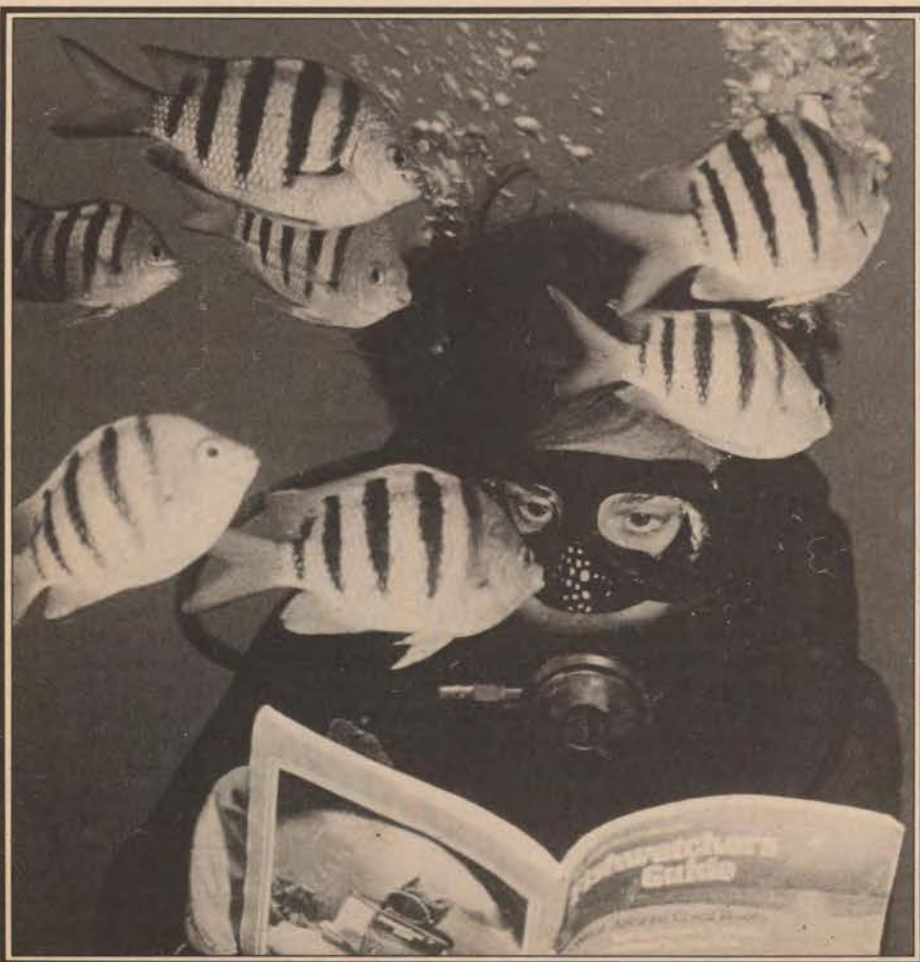
Carol L. Dienger

Junior trips are just as adventurous as the regular ones, but look to the young knapsacker who wants a mountain trip with others the same age. Everybody takes a turn on the cook crew and with other camp chores, and is expected to carry a full share of the food and commissary gear.

These trips, too, vary in difficulty, and we have given in each case a clue to the

strenuousness of the trip. Each trip description and listing states the age group for which the trip is planned.

Applicants must qualify. The leader expects to hear from the individual applicant in response to the trip supplemental announcement, not from parents. Parents, however, will be asked to help drive juniors to and from the trips, at least one way.



Kent Schellenger

Detailed descriptions of these trips may be had by sending for the Knapsack Brochure mentioned on page 13; see coupon on page 49.

(225) Trinity Alps, Northern California—June 20-27. Leader, Dave Neumann, Box 1288, Hailey, ID 83333. Trip rating: M. Ages 12-14.

(226) Erin Lake, Southern Sierra—June 20-30. Leader, Patrick Colgan, P.O. Box 273, La Honda, CA 94020. Trip rating: M. Ages 12-15.

(227) Grinnell Lake, John Muir Wilderness, Sierra—July 4-12. Leader, Ann Peterson, 523-C Kentucky, Bakersfield, CA 93305. Trip rating: M. Ages 12-15.

(228) Mount Holy Cross, White River Forest, Colorado—July 10-16. Leader, Bill Murphy, 54 Bellmore Ave., Point Lookout, NY 11569. Trip rating: M-S. Ages 13-16.

(229) Nine Lake Basin, Sequoia Park, Sierra—July 10-17. Leaders, Ellen and Jim Absher, 179 Saranap Ave., Walnut Creek, CA 94595. Trip rating: S. Ages 14-15.

(230) Brewer Basin, Kings Canyon Park, Sierra—July 11-20. Leader, Dave Neumann, Box 1288, Hailey, ID 83333. Trip rating: M-S. Ages 13-15.

(231) Gale and Sing Peaks, Sierra Forest—July 26-August 4. Leader, Steve Rauh, 642 Alcatraz Ave., #204, Oakland, CA 94609. Trip rating: L-M. Ages 13-16.

(232) Painter Basin, Gilbert Peak, High Uintas Primitive Area, Utah—July 30-August 7. Leader, John Carter, Box 991, Mendon, UT 84325. Trip rating: M. Ages 14-17.

(233) Bear Lakes, John Muir Wilderness, Sierra—August 3-12. Leader, Vicky Hoover, P.O. Box 723, Livermore, CA 94550. Trip rating: L-M. Ages 12-15.

(234) Hell-For-Sure Pass, Sierra Forest and Kings Canyon Park, Sierra—August 8-18. Leader, Brian Lemmon, 298 Los Altos Dr., Kensington, CA 94708. Trip rating: L-M. Ages 13-15.

(235) Ruby Mountains-Snake Range Older Teens, Humboldt Forest, Nevada—August 14-25. Leader, Patrick Colgan, P.O. Box 273, La Honda, CA 94020. Trip rating: M. Ages 16-18.

(236) Muir Wilderness, Sierra—August 23-31. Leader, Norm Weeden, 3571 F St., Eureka, CA 95501. Trip rating: M-S. Ages 13-15.

Underwater Exploration

The ocean is our wilderness. From the Pacific coast of North America to the Caribbean, from the Galapagos Islands to Micronesia, we observe its power and majesty. Whether floating motionless with mask and snorkel, or swimming at depth with scuba, we have time and cause to wonder at the infinite variety of life that surrounds us—and to appreciate our own smallness in this vast milieu.

Foreign Underwater Exploration

In five years, snorkelers, beginning divers and veterans have helped build a successful program. Informal courses in marine biology are among our most popular trips, as evidenced by the 1977 schedule. Learn-to-dive trips are also well attended.

Strict conservation policies are followed in the water as on land. Safety, of course, is paramount. Leaders are NAUI or YMCA-certified scuba instructors—or, in one case, a diving physician. (On trips offering biology courses, leaders are professional biologists as well.)

Safety consciousness is expected of trip participants, too. Swimming ability and good physical condition are required, but skindiving skills are not. Trips are available at all levels of water skill. For those enrolling in the basic scuba course, prior conditioning is especially important. The course is demanding, requiring prior study as well as conditioning, and only those who pass both practical and written tests will be awarded NAUI or YMCA certification.

Scuba divers not enrolled in the course should also be in good condition, must show certification from a nationally recognized agency, and pass a basic skills check-out the first day of the trip.

Mask, snorkel and fins must be brought or rented (where possible). Tanks and weightbelts are usually supplied. Read individual trip supplements carefully for other equipment requirements. With the exception of Truk and Ponape, #404, trip prices do not include air fare. All applications require leader approval to ensure that no one inadvertently wanders into the wrong camp.

(277) Virgin Islands—July 4-16. Leader, Ann Gladwin, 526 Pine Wood Ct., Los Gatos, CA 95030.

Snorkelers and scuba divers, both novices and veterans, have enjoyed our Virgin Islands trips. This year it's St. Thomas and St. Croix, with side trips to the national park of St. John and the marine preserve at Buck Island. The Caribbean's colorful fish, corals and sponge can be viewed from the surface or, with a few days' scuba instruction, at moderate depths. Conditions are ideal for beginners. The basic scuba course offers NAUI and YMCA certification. We stay in small hotels and cook our own meals.

(278) Lanai and Kona Coast, Hawaii—July 5-16. Leader, Lou Barr, Box 361, Auke Bay, AK 99821.

Camping on a lovely cove on the quiet island of Lanai, snorkelers and certified divers will find as much, or as little, to do as desired. Good snorkeling is just offshore. Spectacular diving is within easy reach, thanks to having our own boat and compressor. From Lanai we fly to Kona, move into condominiums for 3 days of luxury diving, then 2 nights at Volcano House, Volcano National Park.

(401-E) Grand Cayman, Tropical Reef Biology, British West Indies—June 11-22. Leader/Instructor, Rob Spivack, c/o Miles, 139 Loma Lane, San Clemente, CA 92675.

In 5 years, 150 Sierra Club divers have explored Cayman's warm, clear waters. The instructors are professionals, with a knack for imparting their knowledge to divers with little biology background. Twice-daily diving field trips complement illustrated lectures on the biology, natural history, ecology and identification of marine organisms. For casual or serious participation, the trip offers the NAUI Environment Certificate, if desired. Scuba certification is required. See trip #402 below for further details.

(402-E) Grand Cayman, Tropical Reef Biology (Intermediate), British West Indies—June 23-July 4. Leader/Instructor, Steve Webster, 3202 Maddux, Palo Alto, CA 94303.

This is a research-oriented program for graduates of Trip 401 above, or divers with other biology background. Casual or serious participants are welcome; NAUI Environment Certificate is available. As in the introductory trip, scuba certification is required. Contact leader for lower rates for nondivers. Home base is a small divers' resort, yards from Cayman's famous reefs.

(404) Truk and Ponape, Micronesia—July 20-August 7. Leader, Steve Zuckerman, 2640 Alabama Ave., St. Louis Park, MN 55416.

In 1944, a formidable Japanese fleet was destroyed in Truk Lagoon. Now claimed by the sea, the wrecks are covered with colorful marine life. (See *National Geographic*, May, 1976.) We will dive on these man-made reefs, and nearby natural reefs, untouched by man. Trip leader is Truk's former medical officer. Our marine biologist, Lou Barr, will accompany us. For snorkelers and certified divers; price includes air fare from San Francisco.

(403) Bonaire, Netherlands Antilles—July 21-August 1. Leader, Kent Schellenger, 19915 Oakmont Dr., Los Gatos, CA 95030.

Little known except to divers, this Dutch island off the coast of Venezuela offers a 21-mile coral reef of great beauty. Fine snorkeling and diving are within a few yards of shore for safe, easy exploration—inexpensive, too, as dive boats are unneeded except to visit nearby Klein Bonaire. We stay in a small hotel on a white-sand beach; for snorkelers and certified divers.

(400-E) Galapagos Islands, Ecuador—August 6-27. Instructor, Steve Webster. Leader, Kent Schellenger, 19915 Oakmont Dr., Los Gatos, CA 95030.

Living and sailing on the 63-foot ketch *Sulidae*, we dive into a world rarely seen even by scientists. Daily diving is complemented by land excursions and encounters with the islands' fascinating terrestrial life. For certified divers with ocean experience. The trip includes a short stay in Quito, Ecuador. Extensions in South America can be arranged. Price includes flight from Quito to the islands, but not to Quito.

(405-E) Baja California Kelp-Forest Biology, Mexico—August 14-19. Leader/Instructor, Rob Spivack, c/o Miles, 139 Loma Lane, San Clemente, CA 92675.

An excellent dive boat out of San Diego will be the base for this exploration of the islands, seamounts, and giant kelp communities off the dramatic Pacific coast of Baja. An informal course of diving field trips and evening slide talks will be offered. Topics will include biology, natural history, ecology, and identification of marine organisms. The NAUI Environment Certificate is available. The trip is for certified divers only.

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Larry Mixer's Mountain

A story of courage and perseverance
in the face of underwhelming odds

L. P. MANSFIELD



Bob MacDonald

Now, Larry Mixer was not a nature lover. He had toiled for many years only in the financial canyons of New York City, and the only mountains he knew were made of money. He was past forty and had begun to think of his waistline when his business brought him to California. On the way west, he had been properly alarmed at the sight of the Rockies and again at the Sierra Nevada. Only in a warm, comfortable office on San Francisco's Montgomery Street did he once more feel at home.

After a time (and by mere chance),

L. P. Mansfield bears an uncanny resemblance to Larry Mixer, but refuses to speculate on the possible autobiographical content of his story.

he joined the Sierra Club, more for its prestige perhaps than to partake of the joys of wilderness. He was the perfect tenderfoot, city bred and satisfied. Climbing in the Sierra was the furthest thing from his mind. (Indeed, one of his friends predicted that Larry would never climb higher than into bed.) But eventually, Larry began to wonder if he weren't missing something in his urban, sea-level life. So finally, he essayed a few easy trips to the high country—and found he liked it! On his first venture he was so green that he toted a twenty-two rifle to keep off Indians and bears, but was mercifully relieved of this weapon at the packing station in Onion Valley on the east side of the Sierra. On another hike he had to be brought out on horse—and even had trouble with the

horse. Awkward, timid and sometimes just plain scared, he nevertheless persevered. Eventually, on a "high trip" out of Mineral King, he seemed to get the hang of things, and from that time on felt like a different person. The mountain gods had called at last.

During the next quarter century, while making summer pack trips into the Sierra, Larry came to be nagged by his failure to "collect" any peaks. He couldn't impress his friends by saying, "Oh yes, we went to the top of Brewer that year," or "We climbed Black Kaweah in 1949—easy," or "Our group took Red Slate Mountain in stride." Larry definitely was short on peaks worth talking about. Something had always stopped him—lack of nerve, a sore back, something. In any event, the

only mountain he could produce was Vogelsang Peak in Yosemite, and that little affair (though high enough, goodness knows) was a mere walk-up, so gentle he had never claimed it as an accomplishment. (He later had to admit that his young daughter had shamed him into going to the top with her.) Nevertheless, he never forgot the splendor from the summit.

So Larry came to love the mountains, the "delectable mountains," as he called them. He became acquainted with many of the great regions of the Sierra—Yosemite, Kearsarge Pass, Bubbs Creek, Sky Parlor Meadow, Vermillion Valley, Wit-so-nah-pah, Bright Dot, Convict Canyon, China Flat, Piute Canyon, Tully Hole, Purple Lake, Silver Pass, Siberian Outpost, Chagoopa Falls, Bullfrog Lakes, Nine

Lakes Basin, Kaweah, Little Yosemite, Big McGee, Crabtree Meadows, the Seven Gables, Illilouette Falls, Red and White Mountain, Farewell Gap.

Even so, Larry had yet to scale his own "true" peak. And so, at the age of seventy, he resigned himself to anonymity as a mountaineer. He could admire the exploits of John Muir, the LeContes, the Starrs, Colby, and the rest, but he would never qualify even as a poor relation of those greats. Worse yet, though he believed in conservation, he rarely wrote letters to his congressmen. On the other hand, he would rather have been found dead than to leave a spark burning in a campfire or drop a beer can on nature's fair countenance.

Then one day, having associated himself with the Redwood Chapter of the Sierra Club, Larry learned that on Sunday, October 17, 1965, there was to be an ascent of Mt. St. Helena, the massive summit at the head of California's famed Napa Valley. Not a Sierra peak to be sure, but respectable.

The day of the big climb "dawned bright and clear," as it always did in stories Larry used to read as a boy.

With a friend to hold his hand, he joined some forty other hardy hikers who had also chosen to abandon their Sunday papers. The company consisted of people of all sizes and both sexes. Ages ranged from ten to seventy, Larry being the indisputable senior, well in advance of his nearest competitor in age if not in stamina.

The twelve-mile round trip, with a climb of 2,500 feet, took about seven hours and was wholly enjoyable—at least in retrospect. They hiked and gasped and bushwhacked, fell and rose, descended and ascended, tiptoed and crawled—and they all made it. The northeast ridge near the summit required some balancing, but Larry heard no calls for belays or rappels. The goal finally attained, everyone made for the upper deck of the lookout tower, where two things were bountifully available—running water and a magnificent panorama of northern California.

Mt. St. Helena, 4,343 feet above sea level, has girth and grandeur. It is a landmark that, like its Coast Range cousins, Mts. Tamalpais and Diablo, blesses all the valleys that surround it. The green and gold and russet carpet of that lovely country of fruit trees, cattle and vineyards spreads out from the base of St. Helena in all directions. Through the great telescope in the tower, one can see the Pacific Ocean on a clear day and as far south as San Jose, some 100 miles away. But on this day, the horizons were somewhat hazy.

After all the effort and excitement, Larry came down from the tower and flopped on a flat rock for ten minutes or so of rest. He had plenty of company. It was a wise move because the descent from the peak was equally as taxing as the climb. There was much tripping and sliding and scrambling through manzanita and ceanothus, over rocks, sand, scree and whatnot. Once in a while, Larry would take a tumble, which, of course, made him very happy because he could thereby show some real climbing bruises to family and friends. Like Valiant-for-truth in *Pilgrim's Progress*, he could say, "My marks and scars I carry with me, to be a witness for me . . ."

Larry Mixter now had *his* peak. It was a small achievement as such things go, but to him it was precious. Other tenderfeet from Wall Street might profit from his example, if they would only give nature and themselves a chance.

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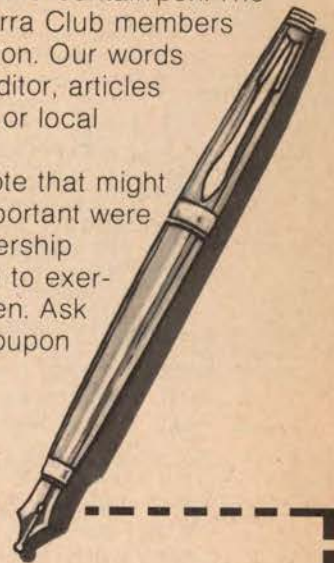
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(90) South Warner Wilderness, Northern California—July 6-13. Leader, Joe Holmes, 1522 Channing Way, Berkeley, CA 94703.

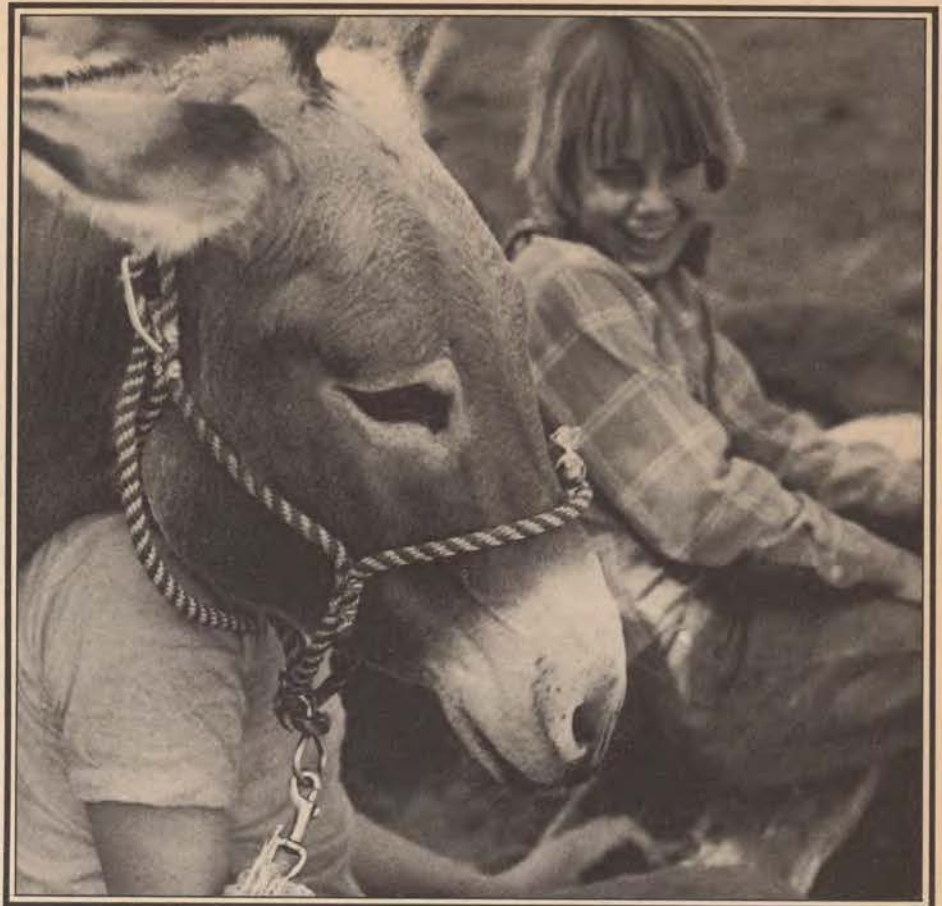
The Warner Mountains in remote Modoc County are beautiful but rarely used. We will hike their length, on usually gentle trails, through miles of wildflowers. There are new lakes to fish, mountains to climb, and vistas to enjoy on this relatively leisurely trip.

(91) Cottonwood Creek, Inyo Forest, Sierra—July 10-24. Leader, Richard Cohen, 1735 Tenth St., Berkeley, CA 94710.

A 2-week southern Sierra trip into the heart of the Whitney Region. Beginning at Cottonwood Creek, we will work our way north with the Kaweahs and the Great Western Divide just to the west. We should have ample time to explore the area and all of those surprises the southern Sierra Nevada has to offer.

(92) Emigrant Wilderness, Stanislaus Forest, Sierra—July 17-24. Leader, Ted Bradfield, 5540 Circle Dr., El Sobrante, CA 94803.

From near Pinecrest, we swing southward through the western part of the Emigrant Wilderness. We stop briefly in Yosemite National Park, and end at Cherry Valley. Lake and stream fishing, hiking opportunities, and beautiful scenery are the highlights of this trip.



Don Girault

(93) Center Basin, Inyo Forest, Sierra—July 24-31. Leader, Tom Pillsbury, 1735 Tenth St., Berkeley, CA 94710.

This will be a loop trip beginning and ending at Onion Valley. We will be going over Kearsarge Pass and into Center Basin. There will be 2 or 3 layover days with many opportunities for climbing and some fishing. We will be following the crest of the Sierra as far as Shepherd Pass. Lakes and streams are abundant in this area.

(94) Haystack Peak, Stanislaus Forest, Yosemite, Sierra—July 24-August 7. Leader, Richard Cooper, 67 Glen Ave., Oakland, CA 94611.

This 2-week trip will move out of Cherry Valley along Kibbie Ridge to the high country, eventually reaching Dorothy Lake within the park. Our return route is through Grace Meadow and Jack Main Canyon, ending at Hetch Hetchy. Numerous side trips are possible on layover days.

(95) Trans-Sierra Trek, Inyo Forest/Kings Canyon, Sierra—August 6-20. Leader, Randall Rasicot, 1735 Tenth St., Berkeley, CA 94710.

This 2-week trip will leave from North Lake (20 miles east of Bishop) and go to Wishon Reservoir via Hell-For-Sure Pass. Total distance covered will be about 60 miles, so there will be many layover days. Our longest moving day should be no longer than 12 miles. Elevations will vary from 8,000-11,297 feet (Hell-For-Sure Pass).

(96) Tilden Canyon, Yosemite, Sierra—August 7-21. Leader, Jack Costello, 7414 Circle Dr., Rohnert Park, CA 94928.

This 2-week trip will take us through the little-used northwestern portion of the park. Starting and finishing at Hetch Hetchy, we will visit several lakes and have many opportunities to climb the peaks of this lovely area.

(97) North Fork of Kings River, Sierra Forest, Sierra—August 20-27. Leader, Doug Parr, 3416 Davis St., Oakland, CA 94601.

This trip will visit Woodchuck Country, Bench Valley and the lakes of the Blackcap Mountain area. There will be 2 layover days and plenty of opportunity for adventure.

(98) Muir Gorge, Yosemite, Sierra—August 21-September 4. Leader, Dan Holmes, 11 Cresta Blanca, Orinda, CA 94563.

Beginning at Hetch Hetchy Reservoir, the site of the first great defeat of the Sierra Club's preservation efforts, we travel into the undisturbed heart of northern Yosemite. Rugged and spectacular, it has deep, glaciated valleys and cool lakes. We conclude by traveling through the Muir Gorge of the Tuolumne River, and Pate Valley.

(99) Devil's Punchbowl, Sierra—August 27-September 3. Leader, Don Bain, 32 Via Farallon, Orinda, CA 94563.

Starting and finishing at Courtright Reservoir, this trip will explore the upper reaches of the north fork of the Kings, and enjoy the splendor of LeConte Divide, on the western boundary of northern Kings Canyon National Park.

(100) Trans-Sierra via Evolution Valley, Kings Canyon, Sierra—September 3-18. Leader, Joe Holmes, 1522 Channing Way, Berkeley, CA 94703.

This 2-week trip will cross a spectacular portion of the Sierra Nevada from Courtright Reservoir on the west to Pine Creek on the east. A very long car-shuttle is the only disadvantage to this romantic journey across the Range of Light. Deep canyons and high mountains will guide us on our unhurried way.

High-Light Trips

High-Light trips are for people, including families with children approximately nine years or older, who wish to hike from camp to camp without the burden of a full knapsack. Like knapsack trips the emphasis is on going light, but our accompanying mules carry each trip member's 20-pound duffel bag plus all the food and commissary equipment. Meals are planned by the staff, with trip members taking turns cooking and doing other camp chores under the supervision of the staff.

Group size varies from 15 to 25 trip members plus a three- or four-person staff which allows us great flexibility in choosing itineraries to provide maximum enjoyment and produce minimum wilderness impact. For example, we achieve a ratio of four to five people per mule compared with the usual private commercial trip which rarely does better than one to two persons per mule. Moves between camps ordinarily range from five to 15 miles, with an eight to ten-mile day average, and are often followed by one or more layover days. The degree of strenuousness varies substantially from trip to trip. In choosing an outing you should carefully consider this factor. With camp duties only once or twice a week, layover days provide abundant opportunity to fish, climb or pursue other individual activities.

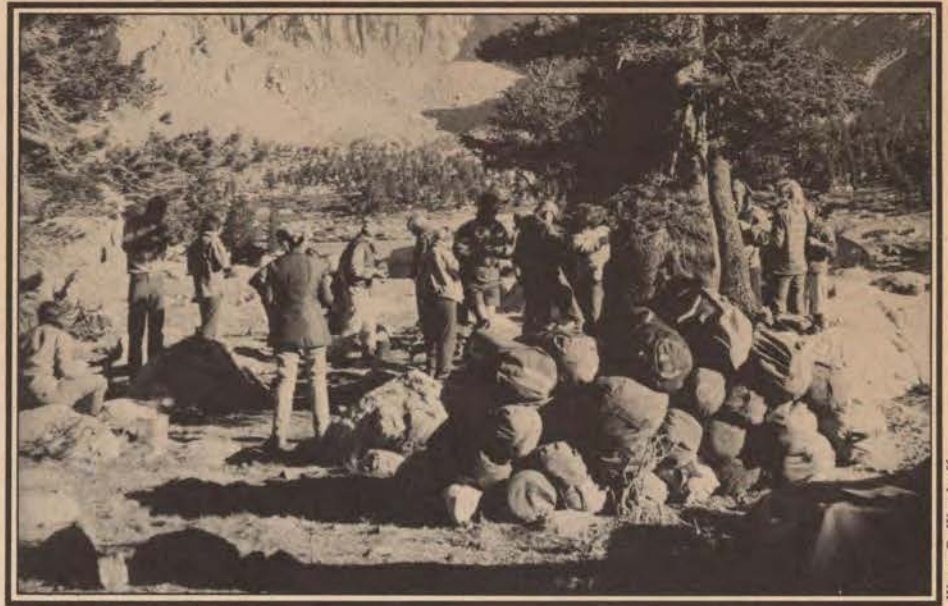
We attempt to emphasize conservation issues in the areas where the trips are run, interpret the natural history aspects of the local environment and provide guidance in camping techniques and minimization of wilderness impact for use on future individual outings. High-Light outings are designed to explore the largest area possible in the time involved, to maximize individual freedom consistent with group objectives and above all to provide a meaningful wilderness experience in conjunction with the benefits of group interaction.

(140) Kaiparowits Plateau, Utah—June 4-11. Leader, Allen J. Malmquist, Box 388, Fredonia, AZ 86022.

The Kaiparowits Plateau is a fifty-mile-long finger of sandstone in south-central Utah recently made famous by the huge powerplant proposed nearby. This will be a moderate trip from the slickrock desert to high meadows and forests of pine and juniper, with great views of the Escalante Canyon, Navajo Mountain (the Rainbow Bridge area) and Glen Canyon. There are numerous minor Indian ruins and cliff dwellings.

(141) Pecos Wilderness, Sangre de Cristo Range, New Mexico—June 19-30. Leader, Les Albee, 130 South Rocky Dells Dr., Prescott, AZ 86301.

We will travel around the upper Pecos Basin, near the 12,000-foot level for several miles, virtually shaking hands with wild bighorn sheep en route. Layover days will alternate with travel days to rest, fish, botanize, bird-watch, or climb peaks like Truchas and Pecos Baldy. The high



Wayne R. Woodruff

altitude and moderately strenuous hiking require special conditioning for full participation.

(142) Northern Trinity Alps, California—July 6-14. Leader, Laurie Williams, P.O. Box 124, Canyon, CA 94516.

Isolated by the deep canyon of the Salmon River, the northern part of the Trinity Alps Wilderness is peaceful and little-known. By following old trails and new Pacific Crest Trail survey markers, we'll stay near the crest of a long 7,000-foot ridge, dipping down to explore cirques, cameo lakes, meadows with insectivorous plants, and old mines. Short hiking days and alternate layovers balance out steep trails and cross-country travel to make this a moderately easy trip.

(143) High Uintas Primitive Area, Ashley Forest, Utah—July 10-22. Leader, Velden Black, Box 53, Fredonia, AZ 86022.

(149) High Uintas Primitive Area, Ashley Forest, Utah—July 24-August 5. Leader, Les Albee, 130 S. Rocky Dells Dr., Prescott, AZ 86301.

We will explore the headwaters of the Uinta River in northeastern Utah. Camps will be near the crest of the range at 11,000 feet in lake basins surrounded by 13,000-foot peaks. The hiking will be moderate to easy with short moves. Four layover days will offer relaxing, excellent fishing, and peak climbing. One can hike up Kings Peak (13,528), the highest in Utah. The High Uintas normally open long before other ranges in the Rockies so we can go in early for the best fishing and finest wildflower displays.

(144) Remote Redwoods of the Southern Sierra—July 18-26. Leader, Mary Coffeen, 851 Amador, Claremont, CA 91711.

We will make a leisurely loop, visiting the Garfield Grove and Maggie Lakes, returning via the Little Kern River and Mineral King valley. Should this country be added to Sequoia Park? Come and see for yourself. A naturalist will enrich our experience in these diverse natural communities.

(145) Cirque Crest Circle, Kings Canyon Park, Sierra—July 21-August 5. Leader, Wayne R. Woodruff, P.O. Box 614, Livermore, CA 94550.

Views of the Palisade Crest, Black Divide and Ragged Spur, peak-climbing on layover days and a hike down the seldom-visited canyon of the Middle Fork of the Kings River will be highlights of this moderately paced loop trek. A two-day layover in Lake Basin will allow plenty of time to explore the scenic area below Mount Ruskin and Marion Peak. A sometimes strenuous, optional four-day knapsack down Enchanted Gorge will be offered; however, all required hiking will be on established trails. Minimum age 12.

(148) Eagle Cap Wilderness High Lakes, Wallowa Mountains, Oregon—July 24-30. Leaders, Ruth Ann and Jim Angell, 3450 S.W. Talbot Rd., Portland, OR 97201.

Four moving days with three layover days at High Lakes allow ample time for this easy 35-mile loop trip. Our trail is up and down from 5,200 to 8,400 feet. Climbing, fishing, super food and the largest herd of elk in the contiguous United States are some of the attractions. Bring plenty of film.

(150) Holmes River, Bess Pass, Mt. Robson, British Columbia, Canada—August 5-12. Leader, Don Fager, 1522 Eastmont, Wenatchee, WA 98801.

This outing is new to the Club, in an area untouched by the backpacker and climber. Much of the outing is in open alpine country above timberline with views of glaciers and the high peak area of the Canadian Rockies. There will be layover days for side trips to view glaciers and icefields and climbs for the more experienced. Total hiking distance is about 60 miles. You may travel by Canadian National Railroad, since there is good service to Valemount and McBride in British Columbia and Jasper in Alberta.

(151) Snake River Range, Targhee National Forest, Idaho—August 7-16. Leader, Bill Huntley, Box 3164, San Leandro, CA 95178.

Our trip proceeds from scenes of low-elevation sage through aspen and into the bare, rocky peaks characteristic of Jackson Hole. Hikes of five to ten miles with alternating lay-over days provide ample opportunity to view the wild scenery. Upper Palisades Lake, with over four miles of shore, together with the smaller lakes and streams, provides excellent opportunities for anglers. Elk, moose, deer, wild grouse and numerous small animals are frequently seen.

(152) Triple Divide Peak, Wind River Mountains, Wyoming—August 8-19. Leaders, Charles and Virgene Engberg, 6906 Birchton Ave., Canoga Park, CA 91307.

This leisurely trip will explore the seldom-used drainage system around Triple Divide Peak where water starts its flow down to the Colorado, Columbia and Missouri rivers. Camps will be at Granite Lake and in Seven Lakes Basin. Lay-over-day hikes will be made to numerous lakes, Triple Divide Peak, and Union Peak where all major Wyoming mountain ranges can be seen. Excellent fishing, abundant flowers, and beautiful sunsets over the distant Tetons are in store for those who select this trip.

(153) Yosemite South, Sierra—August 13-20. Leader, Al Fritz, 2447 Via Pacheco, Palos Verdes Estates, CA 90274.

A moderate loop trip from Miller Meadow in the western Sierra into spectacular high country often described by John Muir. We will pass through the upper Merced River country and over the Clark Range in the southeast corner of Yosemite Park. Five moving days and two layovers will take us about 45 miles over four passes—Isberg, Red Peak, Merced and Fernandez. Elevations will range from 7,000 to 11,000 feet.

(154) East Pioneer Mountains, Beaverhead Mountains, Montana—August 15-24. Leader, Charles Schultz, 14 Pacheco #7, San Rafael, CA 94901.

The Pioneers hold full variety of mountain setting . . . flower-carpeted meadows below and above timberline, thick pine forests, glacial lakes, and 11,000-foot peaks. Our moving days vary from 7 to 11 miles in length and each is followed by a layover day so we can explore the area, catch a few fish, watch the mountain goats, and relax. Campsites will be between 8,000 and 9,000 feet in elevation and there will be some up-and-down hiking between camps.

(155) Jasper-Robson Parks, Alberta, B.C., Canada—August 16-26. Leader, Al Combs, Branch Box 1206, Rome, NY 13440.

We will pass by hanging glaciers, see wild-flowers and have good fishing. The outing will start at Mt. Robson Bridge, pass by well-known Berg Lake at the foot of Mt. Robson with two days planned for side trips to view glaciers and icefields, and have climbs for the more experienced. Total hiking distance is about 85 miles with 3 layover days. You may travel by rail as the Canadian National Railroad serves Valemount, British Columbia near our roadhead and Jasper, Alberta near our trail terminus.

(156) Canyons and Crests of the Kings, Inyo Forest/Kings Canyon Park, Sierra—September 5-19. Leader, John Edginton, 2733 Buena Vista Way, Berkeley, CA 94708.

This exceptional post-Labor Day loop crosses Glacier Divide via Piute Pass, proceeds through the lake and stream basins of the Kings River and across high Muir, Cartridge and Mather passes and exits across the Palisade

Crest via Bishop Pass. Sierran glaciers resting below jagged peaks typify this land born of fire and sculptured by ice. Six layover days balance the eight often long, sometimes cross-country, moving days, allowing for swimming, sociability and some superb optional climbing opportunities. No special experience is required but good conditioning will make the experience a mellow one.

(157) Cabeza Prieta, Arizona—December 27-January 1, 1978. Leader, John Ricker, 2950 N. 7th St., Phoenix, AZ 85014.

This year's desert high-light trip will be a repeat of the 1972 trip in the Cabeza Prieta Mountains, whose game range is being considered for wilderness classification. Through this area runs the Camino del Diablo, used in the 1850s by gold hunters from Mexico to California. Many perished from extreme heat and lack of water. Four-wheel-drive vehicles will be used to carry supplies and equipment while people walk. There will be rugged peaks to climb and a chance to see desert bighorn sheep and Sonoran antelope.



Carol L. Dienger

Saddle-Light Trips

(238) Kern Plateau, Inyo Forest, Sierra, California—June 25-July 2. Leader, Ken Henrikson, 119 Montclair Court, Los Gatos, CA 95030.

Most trails in this vast roadless area cross gentle terrain from 8,500 to 9,500 feet and some reach the new Pacific Crest Trail. The highest crossing is Cottonwood Pass (11,200) with its panoramic view of the Great Western Divide to the Kaweah Peaks Ridge. Any riding experience is helpful but not required. The minimum age is 13 years and dunnage is limited to 25 pounds. Trailhead at Cottonwood Basin is 20 miles from Lone Pine.

(239) Cascade Range, Canadian Rockies, Alberta, Canada—August 8-13. Leader, Kathy Jones, 21109 Serene Way, San Jose, CA 95120.

Options to fish, swim and hike during our stay give the participant a variety of activities to choose from. Uncrowded rivers, lakes, mountains and canyons, and good food. Reliable horses. Everything provided but sleeping bag, personal items and saddlebags. No riding experience needed; minimum age, 13 years. Elevation usually 6,000-7,000 feet. Dunnage limit is approximately 35 pounds.

Ski Touring

(270) Ski Touring Clinic, Steamboat Springs, Colorado—December 4-9. Leader, Sven Wiik, Box #5040, Steamboat Village, CO 80499.

(271) Ski Touring Clinic, Steamboat Springs, Colorado—January 8-13, 1978. Leader, Sven Wiik, address above.

Here is an opportunity for five days of excellent skiing with all levels of touring instruction. Your instructors will all be certified. The trip leader is a former Olympic Nordic coach. Included in the program are selection and care of equipment, ski-touring technique, half- and full-day tours. Arrangements must be made directly with the Scandinavian Lodge for room and board, which are not included in the trip cost.

(272) Superior-Quetico Ski and Snowshoe, Minnesota/Ontario—February 19-25, 1978. Leader, Stu Duncanson, 1754 Ryan Ave. West, Roseville, MN 55113.

Cross-country ski or snowshoe, listen to the wolves, photograph, sketch, or drink in the beauty of the frozen north. Our base camp will be on the Gunflint Trail, 30 miles from Grand Marais, one mile from the Boundary Waters Canoe Area and about three miles from the Canadian border. We will be taking day trips from our cabin-based camp, with overnight trips if desired. No experience necessary; minimum age 15.

Discovering Life on Earth

Initial probes suggest that conditions on this planet are nearly ideal for the support of life as we know it.

HOWARD E. EVANS



McLeod Volz

We live at the threshold of the Space Age. The Industrial Revolution is not much more than a hundred years old, yet our technology has made such giant leaps that we have been able to sit in our living rooms and watch men walk on the moon. But already that is an old story; more recently we have seen the surface of Mars in living color. It is a red planet after all, but devoid of Martians and so far as we can be sure, of any living things. We have seen something of the surface of Venus, and of Mercury and Jupiter. Futurists and science-fiction writers will have to move farther out in space; the planets and their moons are desolate and rock strewn, forbiddingly cold or hellishly hot. Perhaps we may yet build habitable space stations or find planets where life exists or can be transplanted. So long as the earth has resources we may reasonably divert into space exploration, we will surely do so. Man is a searcher, a builder, a dreamer . . . and a destroyer.

Yet these are exciting times. Who has not followed the accomplishments of the

Mariners and Vikings and their Russian equivalents? A comfortable way to become a pioneer—by diverting some tax dollars and watching the results on TV. Rather different from our forefathers, who hacked through virgin forests and traversed endless deserts to seek El Dorados they seldom found. The wilderness so forbidding to them is now largely strung with fences and highways, speckled with pizza parlors and automobile junkyards. Will space someday lose its incredible distances, the planets their desolation? I doubt it, but then I suspect that my grandfather doubted men would ever walk on the moon.

In any case, NASA is not currently looking for astronauts, at least not the kind who will personally explore the moon or the planets. With the broadened perspective the space program has provided, perhaps each of us should design our own program, focused on the only planet that to most of us seems worth exploring. Is there life on earth? Yes, several million kinds, many of them a good deal more incredible than the creations of science-fiction writers. Are there clear waters, breezes rich with oxygen and the odors of the forest, meadows spangled with butterflies, nights adorned

with fireflies and haunted by owls? All of these and much more. Do we take time to revel in the richness of our planet, to explore its inner workings, to add to an understanding of its complexities?

The equipment needed for an earthly space walk is minimal: suitable clothing, food, a sleeping bag for the more adventurous, perhaps a notebook and pencil, a camera, a pair of binoculars, but most of all, a keen eye and a soul that responds to a jagged cloud, a moss-covered boulder, the call of a raven. This is the earth! And I am an astronaut, walking on the best of planets, seeing things never seen before: sunlight filtered through an arrangement of branches; a cloud of midges dancing over a stream; a configuration of gulls wheeling in a sky meshed with cirrus; a giant ice crystal flanking a February stream. Time, space and I have never before had this conjunction, nor will we again.

Just a few months ago, my family and I explored a nearby canyon in the foothills of the Rockies. We had been there many times before, but it was good to visit again, with its particularly jocular stream, its rocky overhang where we first learned to recognize alum root, its giant Douglas-firs

Howard E. Evans is an entomologist at Colorado State University.

still clinging to life despite a too-great intimacy with electric storms. But we had never been there on a warm and breezy October day, when the cottonwoods were so freely casting their gold leaves about, when Townsend's solitaires were so enthusiastically serenading the demise of summer. Here and there, in quiet stretches, the stream passed over stones that barely broke the surface



Ronald Partridge

film, producing little swirls that in the sunlight formed dark sequins margined with silver. A pigmy owl flew ahead of us carrying a mouse, seemingly happy enough to be about in midday, but perhaps not so happy to be mobbed by noisy chickadees. A late solitary wasp was dragging a paralyzed spider along a bank. Since wasp behavior is a specialty of mine, I took the liberty of capturing them—a new record, as it turned out.

The possibilities of earth exploration are vastly multiplied when we consider that there are several levels of discovery. First, the renewal of acquaintance with the familiar—familiar, yet in the flow of time never quite the same. Then, the finding of something that is personally novel—a species of bird observed for the first time (as the pigmy owl was for us), a snow-capped peak seen from the crest of a mountain trail, a gentian blooming among the weeds in one's back yard. Finally, the discovery of facts new to science—often little things, like my spider-hunting wasp, but sometimes essential pieces of bigger puzzles. The first two are available to everyone, the last to persons well prepared in some facet of natural science—but it doesn't take a PhD to discover novel associations in the enormously complex tapestry of nature.

In fact, how well do we know the planet earth? Incredibly, we have only the roughest idea as to how many kinds of plants and animals the earth supports—estimates range from three million to fif-

teen million or more. Biologists agree that a high percentage of these are still unknown to science (more especially in the tropics). According to an estimate published in *Science* a few years ago, only fifteen percent of all organisms have been described. I question this, and would place the figure closer to fifty percent. That these estimates are at such variance demonstrates just how ignorant we are of life on earth!

To say that a plant or animal is "known to science" simply means that someone has described it and given it a name. Often we know next to nothing about its way of life. We have total knowledge of no living creature. Even the honeybee, well known to the ancients and the subject of innumerable books and scientific treatises, is still being studied intensively. How often we discover too late the subtleties and complexities of nature, as when we transport a devastating pest to a new continent, or overthrow an aquatic ecosystem with our pollutants. Only after many years did we fathom the far-reaching effects of DDT, and only now are we closing some of our rivers to fishing because of the accumulation of PCBs. Should we be concerned over disturbances to the ozone layer? Should we worry that the "greenhouse effect" caused by increased airborne chemicals may someday melt the Antarctic ice cap and flood our coastal cities? How many people will the earth support, and how many and what animal and plant species do we dare eliminate without reducing our own viability as a species? How can we afford to be so ignorant of the planet that is our home?

To all of us the earth is a vast frontier we may enter here and there, casually or deeply, as we please. Unfortunately we often take it for granted—a place to dump the tailings of our civilization—or even become bored with it ("if you've seen one redwood, you've seen them all"). To know the earth does take some awareness, some sensitivity, some preparation. In a culture obsessed with comfort, it is doubtless simpler to look at the sterile Martian rocks on television than to become one's own astronaut, picking one's way across the incredible plains and forests of earth.

Yes, there is life on earth and, for all we know, nowhere else. To be sure, untrammelled nature is becoming increasingly scarce, yet we are lucky to be born of this century, when wilderness, no longer a threat to be overcome, remains with us still, though in small measure; when we know so much, yet are so aware of our ignorance; when we have so many aids to probing the heart of nature. Technology need not be our undoing if we dedicate it to exploring the earth as a home for all earthlings. Even you and I may be astronauts and, however modest our capacities, may find landscapes not fully explored. At the very least we will find assurance that we live on a planet so incredibly rich and precious that its preservation must be a matter of highest priority.

Porpoise Stickers Available

Although federal court action may stop the tuna industry from killing hundreds of thousands of porpoise next year, the industry may try to overturn that decision in Congress. This makes even more important the boycott of light meat tuna, which has been endorsed by the Sierra Club's Board of Directors.

"Save a Porpoise—Boycott Tuna" stickers have been made available by the Club's National Wildlife Committee. They are 4 by 5½", and are in white and two shades of blue. To



order yours, send a self-addressed, stamped, letter size envelope to "Porpoise Sticker" Sierra Club, 530 Bush St., San Francisco, CA 94108. Donations to the Wildlife Committee are welcome, but stickers will be sent without them.

The first court action held that the Marine Mammal Protection Act of 1972 did not allow the drowning of these highly-intelligent mammals by the tuna industry, but the effective date of the decision was delayed by another court until the end of this year. While in San Diego, CA, President Ford expressed his support for legislation to legalize purse-seine fishing "on porpoise." The boycott does not apply to albacore, or white meat tuna, which is caught by hook and line, as once was light meat tuna.

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Al Goodman

Walk Softly and Carry a Camera

A Photographic Outing in the Smokies

ADOLPH AMSTER



John W. Steele

Nature photography and the environmental movement have matured hand in hand. The work of such photographers as Ansel Adams, Philip Hyde and Eliot Porter, as embodied particularly in the Sierra Club's exhibit format books, inspired a generation of conservationists and documented their concern to an increasingly receptive public. The environmental movement provided, in turn, a public occasion for such photography, serving as the nurturing medium for what has become a characteristically American art form. Both continue to grow in symbiotic relationship with the other.

Last year, for the first time, the Sierra Club offered an outing specifically designed for those who wished to express their responses to wilderness through the medium of photography. Dolph Amster and Alan Goodman, with the

Adolph Amster is deputy chairman of the Sierra Club's national outing committee.

professional assistance of photographer Robin Moyer, led a dozen people to a photographers' base camp on Hazel Creek in Great Smoky Mountains National Park in North Carolina. Although the hike itself was moderate—six miles over easy terrain—the packs carried by participants averaged more than fifty pounds, thanks to photographic equipment. Photographer Moyer even carried a hefty five-by-ten format view camera and tripod. Nature photographers, like mountain climbers, must pay the penalty of weight for their enthusiasm.

Although photography was the ostensible purpose of the trip, participants also indulged in the usual complement of wilderness activities—hiking, fishing, botanizing, birding, sketching, loafing and socializing. The outing produced, in addition to the satisfaction and exhilaration common to all wilderness trips, a body of fine photographs—not only of the Smoky Mountains wilderness, but as the accompanying examples show, of the artists themselves.



Adolph B. Amster



Adolph B. Amster

1977 Sierra Club Outings

H. W. Andersen



Trip Number	Date	Trip Cost (Incl. Deposit)	Deposit	Leader	
ALASKA					
50	Arctic Wildlife Range Base Camp	June 3-17	490	25	Wilbur Mills
51	Glacier Bay-West Chichagof Boating-Hiking	July 10-23	615	50*	Chuck Johnstone
52	Seymour Canal Canoe Trip, Admiralty Island	July 24-31	465	25	Sandy Sagalkin
53	Glacier Bay-West Chichagof Boating-Hiking	July 27-Aug. 9	615	50*	Chuck Johnstone
54	Alaska-Yukon Scenic Tour and Knapsack	July 29-Aug. 24	930	50*	Pete van Duym
55	Seymour Canal Canoe Trip, Admiralty Island	July 31-Aug. 7	465	25	Jon Tillinghast
56	Lake Clark Knapsack Trip	Aug. 9-29	525	50*	Blaine Le Cheminant
57	Brooks Range Knapsack	Aug. 12-26	350	25	Les Wilson/Dennis Schmitt

*Per-person deposit.

BASE CAMP (Other base camps are listed under: Wilderness Threshold (family base camps), Alaska, Ski, Canoe.)

46	Cinnamon Bay, St. John, U.S. Virgin Islands	Jan. 22-30	235	25	Fred Sawyer
22	Talchako Snowshoe, Tweedsmuir Park, B.C., Canada	Feb. 7-17	310	25	Gary Miltenberger
26-E	Natural History of Anza-Borrego Desert, California	April 3-9	165	25	Serge Puchert
60-E	Natural History of the Mono Basin, California	June 18-25	160	25	Dick May
61	Joyce Kilmer/Slickrock Wilderness, Nantahala Forest, NC	June 18-25	145*	25	Alan Goodman
62	Talchako Lodge, Tweedsmuir Park, B.C., Canada	June 21-28	230	25	Gary Miltenberger
63	Sailing-Camping, Coast of Maine	June 26-July 2	435	25	Gerry Ireland
64	Craig Lake State Park, Michigan	June 26-July 2	205	25	Virginia Prentice
65	Slickrock Wilderness Photography, Nantahala Forest, NC	June 26-July 2	140	25	Dolph Amster
66	Treasure Lakes, John Muir Wilderness, Inyo, Sierra	July 2-9	160**	25	Bob Miller
67	Treasure Lakes, John Muir Wilderness, Inyo, Sierra	July 9-16	160**	25	Bob Miller
68	Palisades Mountaineering Camp, John Muir Wilderness, Sierra	July 9-23	275	25	Sy Ossofsky
69	Chain Lakes, Yosemite, Sierra	July 10-22	255	25	Dick May
70	Talchako Lodge, Tweedsmuir Park, B.C., Canada	July 12-22	300	25	Gary Miltenberger
71	Hilgard Creek Alpine Camp, John Muir Wilderness, Sierra	July 17-29	255	25	Emily Benner
72-E	Sierra Nevada Natural History, Baboon Lake, Inyo Forest, Sierra	July 24-31	185	25	Perry Harris
73	Jarbidge Wilderness, Humboldt Forest, Nevada	July 24-Aug. 5	295	25	Hasse Bunnelle
74	Baboon Lake, John Muir Wilderness/Inyo Forest, Sierra	July 31-Aug. 5	160**	25	Perry Harris
75	Minarets West Alpine Camp, Minarets Wilderness, Sierra	Aug. 7-19	255	25	John Friermuth
76	Margaret Lakes, John Muir Wilderness, Sierra	Aug. 7-19	255	25	Joanne Barnes

Trip Number		Date	Trip Cost (Incl. Deposit)	Deposit	Leader
77	Hopkins Basin Back Country Camp, John Muir Wild., Sierra	Aug. 13-27	335	25	Ray Des Camp
78	Rangeley Lakes, Maine	Aug. 14-20	160	25	Ted Reifenstein
79	Superior Lake Alpine Camp, Minarets Wild., Inyo Forest, Sierra	Aug. 14-26	255	25	Robin Brooks
80	Talchako Lodge, Tweedsmuir Park, B.C., Canada	Sept. 15-25	300	25	Gary Miltenberger
83	Death Valley Christmas Camp, California	Dec. 18-27	180	25	c/o Ray Des Camp
84-E	Natural History of Organ Pipe Cactus Nat'l Monument, AZ	Dec. 18-27	205	25	c/o Ray Des Camp

*Children under 12 \$100.

**Children under 12 \$140.

E refers to Educational Trips. See Brochure & Supplement Coupon on page 49.

BICYCLE

86-E	Eco-cycling Southeast Minnesota and Western Wisconsin	June 12-26	200	25	Elizabeth Barnard
87	Cycling around Kauai, Hawaii	July 18-Aug. 1	350	25	John P. Biestman
88	Maui by Bicycle	Aug. 4-18	365	25	Paul Williams

E refers to Educational Trips. See Brochure & Supplement Coupon on page 49.

BURRO

29	Panamint Mountains, Death Valley, California	April 3-10	205	25	Jack McClure
30	Panamint Mountains, Death Valley, California	April 10-17	205	25	Joe Holmes
90	South Warner Wilderness, Northern California	July 6-13	250	25	Joe Holmes
91	Cottonwood Creek, Inyo Forest, Sierra	July 10-24	330	25	Richard Cohen
92	Emigrant Wilderness, Stanislaus Forest, Sierra	July 17-24	200	25	Ted Bradfield
93	Center Basin, Inyo Forest, Sierra	July 24-31	200	25	Tom Pillsbury
94	Haystack Peak, Stanislaus Forest/Yosemite, Sierra	July 24-Aug. 7	330	25	Richard Cooper
95	Trans-Sierra Trek, Inyo Forest/Kings Canyon, Sierra	Aug. 6-20	330	25	Randall Rasicot
96	Tilden Canyon, Yosemite, Sierra	Aug. 7-21	330	25	Jack Costello
97	North Fork of Kings River, Sierra Forest, Sierra	Aug. 20-27	200	25	Doug Parr
98	Muir Gorge, Yosemite, Sierra	Aug. 21-Sept. 4	330	25	Dan Holmes
99	Devil's Punchbowl, Sierra	Aug. 27-Sept. 3	200	25	Don Bain
100	Trans-Sierra via Evolution Valley, Kings Canyon, Sierra	Sept. 3-18	335	25	Joe Holmes

FAMILY TRIPS (Other trips with family rates are listed under Base Camps.)

Wilderness Threshold

			Parents and one child	Each addl. child		
105	Gila Wilderness, Gila Forest, New Mexico	July 3-8	450 & 120	25	Ann & Jerry Kalman	
106-E	Nature Education, Marble Mountain Wilderness, Klamath Forest, California	July 9-16	415 & 100	25	Linda & Ed Best	
107	Marble Mountain Wilderness, Klamath Forest, California	July 16-23	415 & 100	25	Anne & Jim Williams	
108	Imogene Lake, Sawtooth Wilderness, Idaho	July 19-27	480 & 120	25	Patty & Dave Boyle	
109	Imogene Lake, Sawtooth Wilderness, Idaho	July 27-Aug. 4	480 & 120	25	Bliss & Allen Ream	
110	Talchako Lodge, Tweedsmuir Park, B.C., Canada	July 27-Aug. 3	480 & 120	25	Julianne & Robert Jones	
111	Emily Lake, Minarets Wilderness, Inyo Forest, Sierra	July 27-Aug. 3	415 & 100	25	Susan & Bob Munn	
112	Emily Lake, Minarets Wilderness, Inyo Forest, Sierra	Aug. 3-10	415 & 100	25	Judy & Jonah Freedman	
113	East Fork Rock Creek, Inyo Forest, Sierra	Aug. 13-20	415 & 100	25	Bonnie & Barry Howard	
114	Chamberlain Basin, Sawtooth National Recreation Area, ID	Aug. 16-24	480 & 120	25	Myrna & Tom Frankel	
115	Chamberlain Basin, Sawtooth National Recreation Area, ID	Aug. 24-Sept. 1	480 & 120	25	Ann & Doug Christensen	
116	Canyon de Chelly National Monument, Arizona	Aug. 28-Sept. 3	410 & 95	25	Joyce & Sid Alpert	
117	Mt. Desert Island, Acadia National Park, Maine	Sept. 11-17	255 & 80	25	David Harrison	

E refers to Educational Trips. See Brochure & Supplement Coupon on page 49.

Family Canoe

			Parents and one child	Each addl. child		
120	Klamath River Teen-Age Trip, Northern California	July 30-Aug. 6	520 & 120	25	Judy Hacker	
121	Kipawa Reserve Canoe-Base Camp, Quebec, Canada	Aug. 17-25	480 & 125	25	Jim Finucane	
122	Moose River, Maine	Aug. 24-31	420 & 110	25	Tony Josepher	
123	Rogue River Teen-Age Trip	Aug. 28-Sept. 3	520 & 120	25	Carol & Howard Dienger	

Family Knapsack

			Parents and one child	Each addl. child		
128	Silver Lake, Lassen Park, Northern California	July 3-9	260 & 70	25	Anneliese & Ken Lass	
129	Bear Creek Spire Teen-Age/Family, Sierra	Aug. 14-22	300 & 80	25	Carol & Howard Dienger	

FOREIGN 1977 (Trip prices are subject to change and do not include air fare.)*

565	Baja Driving-Hiking Adventure	Jan. 24-Feb. 4	565†	50	Betty Osborn
585	Rim of Kathmandu Valley Natural History Trek, Nepal	Mar. 4-26	1100	50	Al Schmitz
587	Winter Walking in Norway Scouting Trip	Mar. 12-27	525	50	Betty Osborn
600	Galapagos Islands, Ecuador	May 23-June 9	1685	50	Steve Anderson
595	Scotland	June 9-26	650	50	John Ricker
595	Scotland	June 13-30	675	50	Tony Look
603	Land of the Sun Kings, Peru	June 19-July 24	1905	50	Ray Des Camp
625	Kenya: Northern Frontier, East Africa	June 20-July 16	1865	50	c/o Betty Osborn

Trip Number		Date	Trip Cost (Incl. Deposit)	Deposit	Leader
638	Southern Norway Trek	June 28-July 13	655	50	John Ricker
610	Hindu Kush Himalaya Trek, Pakistan	June 28-July 27	1135	50	Peter Owens
636	Galapagos Islands, Ecuador	July 11-28	1615	50	Charles Schultz
605	France: The Alps to the Mediterranean	July 5-20	700	50	Lynne Simpson
630	Camping, Hiking and Game Viewing in Kenya, Tanzania, Zambia	July 15-Aug. 13	2130	50	Al Schmitz
620	Yugoslavia: Mountains and Sea Coast	July 18-Aug. 9	860	50	Ross Miles
650	Australia Down Under	Sept. 4-Oct. 2	1370	50	Ann Dwyer
700	Annapurna Circle, Nepal	Sept. 24-Oct. 30	2030	50	Norton Hastings
705	Nepal, Hongu-Everest-Cho Dyu	Oct. 8-Nov. 30	3075	50	Doug McClellan
710	Mexico, Glimpses of Past and Present	Nov. 12-Dec. 13	915	50	Ray Des Camp
715	Holiday Special: Galapagos, Ecuador; Peruvian Bird and Easter Island	Dec. 20-Jan. 13	1895	50	Al Schmitz

*Per-person deposit.

†From San Diego.

FOREIGN 1978 (Prices to be announced.)*

720	Auyan Tepui (Devil Mountain), Canaima Nat'l Park, Venezuela	Feb. 25-Mar. 16		50	Terry Davis
725	Micronesia	Feb.-Mar.		50	Wheaton Smith
730	Venezuela/Surinam: By Foot and Paddle	Feb.-Mar. (22 days)		50	Linda Liscom
735	East Africa: Horseback, Game Viewing, Camera Safari, Kenya	Feb.-Mar. (3 weeks)		50	c/o Betty Osborn
740	Winter Walking in Norway	March 3-17		50	Betty Osborn
745	Nepal: Kathmandu Valley Leisure Natural History Trek	March		50	Al Schmitz
750	Iran	Spring		50	Ivan de Tarnowsky/ Ray Des Camp
755	Wales, England, Scotland	June		50	Lori & Chris Loosley
760	Japan: Inland Sea to Northern Honshu	June 24-July 23		50	Mildred & Tony Look
765	Spain: Central Pyrénées	June 25-July 15		50	Lewis Clark
770	Canal Casiquiare, Venezuela/Brazil	Summer		50	Ted Snyder
775	East Africa: Kenya's Northern Frontier	July (4 weeks)		50	c/o Betty Osborn
780	Kashmir-Ladakh Leisure Trek, India	July		50	Tris Coffin
785	Hiking in Iceland	Mid-July (2 weeks)		50	Brad Hogue
790	Hiking and Canoeing in Sweden	July 20-Aug. 10		50	Blaine Le Cheminant/ Mary Miles
795	Ecuador	July-Aug.		50	Charles Schultz
800	Tour du Mont Blanc and Parc National de la Vanoise, France	August (17 days)		50	Pat Hopson/Dick Williams
805	Walking, Camping, Game Viewing in Tanzania, Zambia, Botswana	August (4 weeks)		50	c/o Betty Osborn
810	Nepal: Pokhara to Jumla	October		50	c/o Doug McClellan
815	Nepal: Around Dhaulagiri	November		50	Doug McClellan
820	Hoggar Mountains Camel Caravan, Southern Algeria	Nov.-Dec. (3 weeks)		50	c/o Betty Osborn
825	South Sea Islands	Dec. 27-Jan. 16		50	Ann Dwyer

*Per-person deposit.

HAWAII (Other Hawaii trips are listed under Bicycle and Underwater Exploration.)

24	Easter Week on Molokai, Hawaii	April 1-9	195	25	Gordon Peterson
133	Beaches and Forests of Kauai	May 30-June 9	330	25	Judy & Pete Nelson
134	Moku Loa, The Big Island	Aug. 22-Sept. 1	330	25	Walt Weyman
135	Island of Hawaii	Dec. 19-29	320	25	Milt Sugarman

HIGH-LIGHT

23-E	Natural History of Sierra de la Victoria/Cerralvo Island, Baja California, Mexico	Feb. 7-18	435	25	John Ricker
25	Mazatzal Wilderness, Mazatzal Mountains, Arizona	April 2-9	220	25	Les Albee
140	Kaiparowits Plateau, Utah	June 4-11	265	25	Allen Malmquist
141	Pecos Wilderness, Sangre de Cristo Range, New Mexico	June 19-30	395	25	Les Albee
142	Northern Trinity Alps, California	July 6-14	200	25	Laurie Williams
143	High Uintas Primitive Area, Ashley Forest, Utah	July 10-22	405	25	Velden Black
144	Remote Redwoods of the Southern Sierra	July 18-26	265	25	Mary Coffeen
145	Cirque Crest Circle, Kings Canyon Park, Sierra	July 21-Aug. 5	460	25	Wayne Woodruff
148	Eagle Cap Wilderness High Lakes, Wallowa Mountains, OR	July 24-30	275	25	Ruth Ann & Jim Angell
149	High Uintas Primitive Area, Ashley Forest, Utah	July 24-Aug. 5	405	25	Les Albee
150	Holmes River, Bess Pass, Mt. Robson, B.C., Canada	Aug. 5-12	260	25	Don Fager
151	Snake River Range, Targhee National Forest, Idaho	Aug. 7-16	410	25	Bill Huntley
152	Triple Divide Peak, Wind River Mountains, Wyoming	Aug. 8-19	380	25	Virgene & Charles Engberg
153	Yosemite South, Sierra	Aug. 13-20	185	25	Al Fritz
154	East Pioneer Mountains, Beaverhead Mountains, Montana	Aug. 15-24	320	25	Charles Schultz
155	Jasper-Robson Parks, Alberta/B.C., Canada	Aug. 16-26	325	25	Al Combs
156	Canyons and Crests of the Kings, Inyo/Kings Canyon, Sierra	Sept. 5-19	360	25	John Edgington
157	Cabeza Prieta, Arizona	Dec. 27-Jan. 1	145	25	John Ricker

E refers to Educational Trips. See Brochure & Supplement Coupon on page 49.

Trip Number	Date	Trip Cost (Incl. Deposit)	Deposit	Leader	
KNAPSACK TRIPS (Other Knapsack Trips are listed under Alaska and Service Trips.)					
35	Grand Canyon, Arizona	Mar. 27-April 2	100	25	Edith Reeves
36	Desert Spring Leisure/Photography, Superstition Wild., AZ	Mar. 27-April 2	85	25	John Peck
37	Grand Canyon, Arizona	April 3-9	155	25	Tom Pillsbury
38	Grand Canyon, Arizona	April 10-16	155	25	Bill Wahl
39	Marble Canyon, Grand Canyon, Arizona	April 10-16	125	25	Jim De Veny
40	Kanab Canyon to Thunder River, Grand Canyon, Arizona	May 1-9	175	25	Chuck Kroger
160	Trinity Alps Mountaineering, California	June 1-8	90	25	Norm Weedon
161	White Mountain Forest, Appalachian Trail, New Hampshire	June 2-11	160	25	Sue & Duncan Bailey
162	Sierra de San Pedro Martir, Mexico	June 5-11	90	25	Tom Pillsbury
163	Canyon de Chelly, Arizona	June 5-11	140	25	Don Lyngholm
164	Black Range Primitive Area, Gila Forest, New Mexico	June 12-18	110	25	John Colburn
165	Skyline Trail, Pecos Wilderness, New Mexico	June 19-25	110	25	Joanne Sprenger
166	Matterhorn Peak, Yosemite, Sierra	June 20-29	100	25	Chris Carman
167	Royal Arch Roundabout Leisure Loop, Yosemite, Sierra	June 22-29	90	25	Marion & Bob Berges
168-E	Southern Sequoia Field Biology, Sequoia Park, Sierra	June 23-July 4	175	25	Walter Goggin
169	Dolly Sods Leisure, West Virginia	June 26-July 2	120	25	Elihu Leifer
170-E	Bigfoot Country, High Siskiyou Wilderness Study, Northern California	July 3-14	165	25	Bobbie & Emilio Garcia
171	Hanging Lake, Le Conte Divide, Sierra	July 11-19	100	25	Leslie & Gary Young
172	Adirondacks, Adirondack Park, New York	July 17-23	115	25	Wes Miller
173	McGee Lakes, Kings Canyon Park, Sierra	July 17-24	105	25	Phil Gowing
174	Tyndall Creek, Sequoia National Park, Sierra	July 17-27	120	25	Ken Maas
175	Mount Zirkel Wilderness, Colorado	July 18-23	130	25	Bill Murphy
176	Green River Lakes Leisure Loop, Bridger Wilderness, WY	July 18-28	175	25	Virgene & Charles Engberg
177	Mt. Sill, Kings Canyon National Park, Sierra	July 18-28	120	25	Bob Berges
178	Glacier Peak Wilderness, North Cascades, Washington	July 19-27	125	25	Jane Rondthaler
179	Kings Peak, High Uintas Primitive Area, Utah	July 20-29	130	25	Earl Schnick
180	Mt. Humphrey, John Muir Wilderness, Sierra	July 22-29	105	25	Serge Puchert
181	Appalachian Trail, Crocker Mountains to Saddleback, Maine	July 24-30	105	25	Don Abrams
182	Minarets-Bench Canyon, Minarets Wilderness, Sierra	July 27-Aug. 7	140	25	Matt Hahne
183-E	Grizzly Meadow Photography, Emigrant Basin Wild., Sierra	July 30-Aug. 7	130	25	Bob Maynard
184	Southern Wyoming Range, Bridger National Forest, Wyoming	Aug. 1-7	150	25	Jackie E. Kerr
185	Colosseum Mountain, Kings Canyon Park, Sierra	Aug. 1-10	120	25	Jim Watters
186	Big Horn Crags, Idaho Primitive Area, Salmon Forest, ID	Aug. 1-11	180	25	Janna Naylor
187	Goddard Creek, Kings Canyon Park, Sierra	Aug. 2-13	120	25	Ray Collins
188	Mackenzie Trail Traverse, Tweedsmuir Park, B.C., Canada	Aug. 4-14	240	25	Gary Tepfer
189	Big Baldy-Pistol Creek, Idaho Primitive Area	Aug. 7-20	205	25	Arthur Beal
190	North Yosemite Valleys and Peaks, Sierra	Aug. 8-16	100	25	Louise & Cal French
191-E	Geology of the Eastern Escarpment, Sierra	Aug. 8-16	130	25	Mary Coffeen
192	Goblin Gates, Olympic National Park, Washington	Aug. 9-18	160	25	Molly & Harry Reeves
193-E	Southern Sierra Art, Sequoia National Park, Sierra	Aug. 12-19	130	25	Ellen Howard
194	Flat Tops Wilderness Area, White River Forest, Colorado	Aug 15-26	215	25	Anne McCutchan/ Lois Snedden
195	Panorama Ridge Traverse, Tweedsmuir Park, B.C., Canada	Aug. 17-27	245	25	Jane Rondthaler
196	Baxter State Park, Mount Katahdin, Maine	Aug. 20-27	145	25	Philip H. Titus
197	Absaroka Range, Shoshone Forest/Yellowstone Park, WY	Aug. 22-31	155	25	Bob Madsen
198	Deer Park, Olympic National Park, Washington	Aug. 22-Sept. 1	160	25	Rich Wisowaty
199	Sunny Side of Silver Divide, John Muir Wilderness, Sierra	Aug. 24-31	90	25	Jim Skillin
200	Palisades, Kings Canyon Park, Sierra	Aug. 25-Sept. 4	130	25	Gordon Peterson
201	Mineral King to Kings Canyon Park, Sierra	Aug. 26-Sept. 5	140	25	Pete Nelson
202	Superior Shoreline Leisure Trek, Michigan	Aug. 29-Sept. 4	180	25	Virginia Prentice
203	Trinity Alps Back Country Leisure Loop, Northern California	Sept. 1-11	130	25	Len Lewis
204	Bighorn Plateau, Sequoia Park, Sierra	Sept. 6-14	100	25	Ralph Huntton
212	Little Colorado, Grand Canyon, Arizona	Oct. 2-8	155	25	Nancy Wahl
213	Grand Canyon, Arizona	Oct. 9-15	115	25	Lester Olin
214-E	Sandrock Country Ecology, Escalante Canyon, Utah	Oct. 16-22	140	25	Edith Reeves
215	Upper Buffalo Fall Color Backpack, Arkansas	Oct. 16-22	130	25	Jackie E. Kerr
216-E	Grand Canyon Geology, Arizona	Dec. 18-24	195	25	Tom Pillsbury
217	Sea Islands Leisure, Georgia	Dec. 25-Jan. 1	230	25	Steve Johnson
218	Superstition Wilderness, Arizona	Dec. 27-Jan. 1	85	25	Dave Ganci
219	Grand Canyon, Arizona	Dec. 27-Jan. 2	110	25	Lester Olin
220	Pinacate Peak, Gran Desierto, Sonora, Mexico	Dec. 29-Jan. 2	160	25	Chuck Kroger

E refers to Educational Trips. See Brochure & Supplement Coupon on page 49.

JUNIOR KNAPSACK

225	Trinity Alps, Northern California	June 20-27	90	25	Dave Neumann
226	Erin Lake, Southern Sierra	June 20-30	120	25	Patrick Colgan
227	Grinnell Lake, John Muir Wilderness, Sierra	July 4-12	110	25	Ann Peterson
228	Mount Holy Cross, White River Forest, Colorado	July 10-16	160	25	Bill Murphy

Trip Number		Date	Trip Cost (Incl. Deposit)	Deposit	Leader
229	Nine Lake Basin, Sequoia Park, Sierra	July 10-17	90	25	Ellen & Jim Absher
230	Brewer Basin, Kings Canyon Park, Sierra	July 11-20	120	25	Dave Neumann
231	Gale and Sing Peaks, Sierra National Forest, Sierra	July 26-Aug. 4	120	25	Steve Rauh
232	Painter Basin-Gilbert Peak, High Uintas Primitive Area, UT	July 30-Aug. 7	110	25	John Carter
233	Bear Lakes, John Muir Wilderness, Sierra	Aug. 3-12	125	25	Vicky Hoover
234	Hell-for-Sure Pass, Sierra Forest/Kings Canyon Park, Sierra	Aug. 8-18	120	25	Brian Lemmon
235	Ruby Mountains-Snake Range Older Teens, Humboldt Forest, Nevada	Aug. 14-25	135	25	Patrick Colgan
236	Muir Wilderness, Sierra	Aug. 23-31	100	25	Norm Weeden
SADDLE-LIGHT					
238	Kern Plateau, Inyo Forest, Sierra	June 25-July 2	425	25	Ken Henrickson
239	Cascade Range, Canadian Rockies, Alberta, Canada	Aug. 8-13	430	25	Kathy Jones
SERVICE TRIPS					
Special Projects					
34	Hells Canyon Service Trip, Oregon/Idaho	Mar. 26-April 2	50	25	Judy Kingsley
240	Talchako Lodge Work Project, B.C., Canada	June 7-19	65	25	Alan Schmierer
241	Gilbert Lake Meadow Restoration, Inyo Forest, Sierra	July 10-18	55	25	Mark Johnson
242	Siberian Outpost Trail Replantation, Sequoia/Kings Canyon, Sierra	July 13-23	55	25	Kevin Ahern
243	Fish Creek Meadow Restoration, Wind River Range, WY	July 16-28	60	25	Steve Silverman
Clean-Up Projects					
244	Parker Lake Airplane Wreck Backpack, Minarets Wild., Sierra	June 28-July 8	55	25	Kelly Runyon
245	Chicken Spring Lake Airplane Wreck Backpack, Mt. Whitney, Sierra	June 30-July 8	55	25	Tod Rubin
246	Galena Peak Wilderness Restoration, Pike-San Isabel, CO	June 30-July 10	55	25	John Stansfield
247	Gable Creek, John Muir Wilderness, Sierra	July 13-21	55	25	Randall Pullen
248	Cottonwood-to-Mulkey Pass Backpack, Inyo Forest, Sierra	Aug. 28-Sept. 7	55	25	Margi Rusmore
Trail Maintenance Projects					
249	Renshaw Lake, Sun River District, Montana	July 2-13	60	25	Melissa Brown
250	Deep Creek, Teton Ranger District, Montana	July 15-25	55	25	Melissa Brown
251	Steelhead Lake, John Muir Wilderness, Sierra	July 23-Aug. 2	55	25	Tod Rubin
252	Pacific Crest Trail, Tahoe Forest, Sierra	July 26-Aug. 5	55	25	Nick Fowler
253	Trinity Alps, Shasta/Trinity Forest, Northern California	July 27-Aug. 6	55	25	Don Coppock
254	Devore Creek Backpack, Glacier Peak Wilderness, WA	July 29-Aug. 8	55	25	Chris Crane
255	Teton Wilderness, Bridger/Teton Forest, Wyoming	July 30-Aug. 9	55	25	Bill Bankston
256	Steelhead Lake, John Muir Wilderness, Sierra	Aug. 6-16	55	25	Mark Johnson
261	Trinity Alps, Shasta/Trinity Forest, Northern California	Aug. 8-18	55	25	Don Coppock
262	Pacific Crest Trail, Tahoe Forest, Sierra	Aug. 11-21	55	25	Nick Fowler
263	Two Mouth Lake, Selkirk Range, Idaho	Aug. 12-22	55	25	Bill Bankston
264	West Fork Agnes Creek, Glacier Peak Wilderness, WA	Aug. 12-22	55	25	Chris Crane
265	Shenandoah National Park, Virginia	Aug. 14-23	55	25	Ann Fraser
266	Hurricane Creek/Seven Lakes Basin, Eagle Cap Wilderness, OR	Aug. 24-Sept. 3	55	25	Don Coppock
SKI TOURING					
258	Ski-Touring Clinic, Steamboat Springs, Colorado	Jan. 9-14	60	25	Sven Wiik
47	Adirondack Ski Touring	Jan. 16-22	170	25	Walter Blank
48	Cross-Country Ski, Rocky Mountain Nat'l Park, Colorado	Jan. 30-Feb. 5	95	25	Kurt Newton
49	Cross-Country Ski, Rocky Mountain Nat'l Park, Colorado	Feb. 27-Mar. 5	95	25	Lee Baker
259	Superior-Quetico Ski and Snowshoe, Minnesota/Canada	Feb. 27-Mar. 5	135	25	John Wheeler
270	Ski-Touring Clinic, Steamboat Springs, Colorado	Dec. 4-9	80	25	Sven Wiik
271	Ski-Touring Clinic, Steamboat Springs, Colorado	Jan. 8-13 '78	80	25	Sven Wiik
272	Superior-Quetico Ski and Snowshoe, Minnesota/Ontario	Feb. 19-25 '78	190	25	Stu Duncanson
UNDERWATER EXPLORATION*					
277	Virgin Islands	July 4-16	630†	50	Ann Gladwin
278	Lanai and Kona Coast, Hawaii	July 5-16	600††	50	Lou Barr
*Per-person deposit.					
†\$795 for divers.					
††\$760 for divers.					
FOREIGN UNDERWATER EXPLORATION (Total cost is approximate and does not include air fare unless indicated.)					
401-E	Grand Cayman, Tropical Reef Biology, B.W.I.	June 11-22	940	50*	Rob Spivack
402-E	Grand Cayman, Tropical Reef Biology (Intermediate), B.W.I.	June 23-July 4	950	50*	Steve Webster
404	Truk and Ponape, Micronesia	July 20-Aug. 7	1655†	50*	Steve Zuckerman
403	Bonaire, Netherlands Antilles	July 21-Aug. 1	800††	50*	Kent Schellenger
400-E	Galapagos Islands, Ecuador	August 6-27	2225†††	50*	Kent Schellenger

Trip Number	Date	Trip Cost (Incl. Deposit)	Deposit	Leader
405-E. Baja California Kelp Forest Biology, Mexico	August 14-19	455	25	Rob Spivack
*Per-person deposit.				
†\$1935 for divers. Cost includes RT air fare from San Francisco (subject to increase).				
††\$905 for divers.				
†††\$2525 for divers.				

E refers to Educational Trips. See Brochure & Supplement Coupon on page 49.

WATER TRIPS (Other Water Trips are listed under Alaska, Foreign and Underwater Exploration.)

River Raft Trips

280	Grand Canyon Oar Trip, Arizona	May 14-25	620	50*	Dawn Cope
281	California Rivers, Tuolumne and Stanislaus	May 16-20	245	25	Steve Anderson
282	Owyhee River, Oregon	May 22-26	275	25	Russell Snook
283	Rogue River, Oregon	June 6-10	205	25	George Roush
284	Dolores River, Paddle-Raft, Colorado	June 6-11	340	25	Tris Coffin
285	Hells Canyon of the Snake River, Idaho	June 11-16	325	25	Anna Stedina
286	San Juan River, Utah	June 13-18	325	25	Deborah Douglas
287	Westwater-Cataract Canyon Raft-Hiking, Colorado/Utah	June 19-26	440	25	John Barnard
288	Rogue River, Oregon	July 4-8	205	25	John Garcia
289	Grand Canyon Oar Trip, Arizona	July 6-17	620	50*	Lynn Dyche
290	Middle Fork of the Salmon River, Idaho	July 10-15	445	25	Ann Dwyer
291	Grand Canyon Oar Trip, Arizona	July 23-Aug. 3	620	50*	Blaine Le Cheminant
292	Rogue River, Oregon	July 25-29	205	25	Ruth Dyche
293	Middle Fork of the Salmon River, Idaho	Aug. 3-8	445	25	Greg Horner
294	Rogue River, Oregon	Aug. 8-12	205	25	Lois Pickett
295	"River of No Return," Main Salmon River, Idaho	Aug. 16-21	380	25	Wes Farrand
296	Middle Fork of the Salmon River, Idaho	Aug. 19-24	445	25	Kurt Menning
297	Hells Canyon of the Snake River, Idaho	Aug. 22-27	325	25	Martin Friedman
298	Chilcotin River, B.C., Canada	Aug. 22-27	530	50*	Harry Neal
299	Grand Canyon Oar Trip, Arizona	Aug. 26-Sept. 6	620	50*	Mary Miles

*Per-person deposit.

Canoe/Kayak Trips

27	Gila/Salt River Boat Trip, Arizona/New Mexico	April 3-9	105	25	John Ricker
28	Okefenokee Trip, Georgia	April 3-9	155	25	Lincoln E. Roberts
31	Dismal Swamp, Virginia/North Carolina	April 10-16	145	25	Mike Maule
300-E	Main Eel River Naturalist, Northern California	May 28-June 4	195	25	Judy Hacker
301	Buffalo National River Leisure Canoe, Arkansas	May 29-June 4	165	25	Jackie E. Kerr
302	Southern Appalachian Whitewater Canoeing Base Camp, Georgia/North Carolina/South Carolina	June 4-11	150	25	Ken McAmis
303	Eleven Point River Leisure Canoe, Missouri	June 5-11	175	25	Jackie E. Kerr
304	Niobrara River, Nebraska	June 12-18	125	25	Faye Sitzman
305	New River, North Carolina	June 12-18	145	25	David Holl
306-E	Killarney Park Natural History, Ontario, Canada	June 18-25	195	25	Rose McCullough
307	Main Eel River Teen-Plus Trip, Northern California	June 19-25	175	25	Doug Christensen
308	Canadian San Juan Islands, British Columbia	June 19-25	170	25	Chuck Fisk
309	Scenic Rivers, Wisconsin/Minnesota	June 19-25	195	25	Tom Carroll
310	Dumoine River, Québec, Canada	June 25-July 2	220	25	Alma Norman
311	Quetico-Superior Leisure Canoe, Minnesota/Ontario	June 26-July 9	395	25	Stu Duncanson
312	Orleans to the Ocean, Klamath River, California	July 3-10	140	25	Ann Dwyer
313	Upper Klamath Kayak, Klamath Forest, California	July 24-30	145	25	Reg Lake
314	Rogue River Adult Trip, Oregon	Aug. 10-17	180	25	Molly & Bill Bricca
315	Klamath River, Northern California	Aug. 13-19	200	25	Mary Miles
319	Kipawa Reserve Park, Québec, Canada	Aug. 22-Sept. 1	255	25	Stephen Lessels
320	Rio Grande Canyons, Texas	Oct. 9-15	135	25	John Baker
321	Boquillas Canyon, Texas	Nov. 20-26	110	25	Steve Hanson
322	Everglades Park, Florida	Dec. 4-10	205	25	Lincoln E. Roberts

E refers to Educational Trips. See Brochure & Supplement Coupon on page 47.

Boat Trips

414	Whale Watching Leisure Trip, Baja, Mexico	Jan. 15-21	465	25	Monroe Agee
412	River of Ruins Raft Trip, Guatemala/Mexico	Mar. 17-April 1	750	50*	c/o Frank Hoover
416	Sea of Cortez Leisure Trip, Mexico	Mar. 26-April 2	575	50*	Elmer Johnson
417	Sea of Cortez Leisure Trip, Mexico	April 2-9	575	50*	Herbert Graybeal
418	Sea of Cortez Leisure Trip, Mexico	April 9-16	575	50*	c/o Monroe Agee
415	Baja and the Sea of Cortez, Mexico	June 11-20	535	50*	c/o Ellis Rother
419	Puerto Vallarta, Mexico	Nov. 7-19	700†	50*	Margaret & Ellis Rother
413	Sea of Cortez Leisure Trip, Mexico	Nov. 19-26	575	50*	Monroe Agee

*Per-person deposit.

†From Los Angeles, \$660 from San Antonio. Costs include RT air fare (subject to increase). \$560 from Puerto Vallarta.

MEMBERSHIP NO. (CHECK BULLETIN LABEL)			Trip number	Trip name	Departure date
Print Name: FIRST LAST Mr. Mrs. Ms.			DEPOSIT ENCLOSED \$	(Leave blank)	No. of reservations requested
Mailing Address			If you have already received the trip supplement, please check. <input type="checkbox"/>		
City	State	Zip Code	Residence telephone (area code)	Business telephone (area code)	
PLEASE PRINT YOUR NAME AND THE NAMES OF ALL FAMILY MEMBERS GOING ON THIS OUTING			Age	Relationship	Membership No.
					How many trips have you gone on? Chapter National
1.					
2.					
3.					
4.					
5.					
6.					

READ INSTRUCTIONS BEFORE COMPLETING! PLEASE PRINT. USE INK AND BLOCK LETTERS!

MEMBERSHIP NO. (CHECK BULLETIN LABEL)			Trip number	Trip name	Departure date
Print Name: FIRST LAST Mr. Mrs. Ms.			DEPOSIT ENCLOSED \$	(Leave blank)	No. of reservations requested
Mailing Address			If you have already received the trip supplement, please check. <input type="checkbox"/>		
City	State	Zip Code	Residence telephone (area code)	Business telephone (area code)	
PLEASE PRINT YOUR NAME AND THE NAMES OF ALL FAMILY MEMBERS GOING ON THIS OUTING			Age	Relationship	Membership No.
					How many trips have you gone on? Chapter National
1.					
2.					
3.					
4.					
5.					
6.					

MAIL TO: SIERRA CLUB OUTING DEPT.—P.O. BOX 7959 RINCON ANNEX, SAN FRANCISCO, CA. 94120

Reservations for Sierra Club Trips

Changes have been made in deposit/cancellation/refund policies. Please read this page carefully.

Eligibility

Our trips are open to Sierra Club members, applicants for membership and members of organizations granting reciprocal privileges. You may include your membership application and fee with your reservation request. Please note that there are no "family" memberships. Children 12 and over must have individual memberships.

Unless otherwise specified, a minor under 18 years of age, unless accompanied by a parent or sponsored by a responsible adult, may only join an outing with the consent of the leader. If you lack a sponsor, write the trip leader for assistance.

Applications

One reservation form should be filled out for each trip by each individual. Spouses and families (parents and children under 21) may also use a single form for each trip. Mail your reservation and required deposit to the address below.

Reservations are generally confirmed on a first-come, first-served basis. However, when acceptance by the leader is required (based on applicant's experience, physical condition, etc.), reservations will be confirmed upon acceptance; such conditions will be noted in the *Bulletin* or the trip supplement. When a trip's capacity is reached, later applicants are put on a waiting list. The Sierra Club reserves the right to conduct a lottery to determine priority for acceptance in the event that a trip is substantially oversubscribed shortly after publication of the *Bulletin*.

Deposits

Trips priced up to \$499 per person: \$25 per individual or family application (family = parents and children under 21)

Trips priced \$500 and over per person: \$50 per person; no "family" deposit rate

The deposit is applied to the total trip price and is *nonrefundable* unless (1) a vacancy does not occur or you cancel from a waiting list, (2) you are not accepted by the leader, (3) the Sierra Club must cancel a trip.

Payments

Full payment of trip fee is due 90 days prior to departure. In addition, most foreign trips require a payment of \$200 per person 6 months before departure. Payments for trips requiring the leader's acceptance are also due at this time, regardless of your status. You will be billed before the due date. If payment is not received on time, your reservation may be cancelled.

Refunds

The following policy is effective for all trips departing on or after January 1, 1977. Refunds following cancellation of a confirmed reservation (*less the nonrefundable deposit*) are made as follows, based on the date notice of cancellation is received by the Outing Department:

- | | |
|-----------------------------------|---|
| 1) 60 days or more prior to trip: | Full amount of remaining balance |
| 2) 14-59 days prior to trip: | 90% of remaining balance |
| 3) 4-13 days prior to trip: | 90% of remaining balance if replacement is available from a waiting list; |

75% of remaining balance if no replacement is available from a waiting list

4) 0-3 days prior to trip: no refund

5) "No-show" at roadhead, or if you leave during a trip: no refund

Transfers of Confirmed Reservations

Transfer from a trip priced up to \$499 per person incurs a \$25 transfer fee. Transfer from a trip priced \$500 and over per person is treated as a cancellation; see refund schedule.

No transfer fee is charged if your application is pending the leader's acceptance, or if you transfer from a waiting list.

One-Price Policy

Generally, adults and children pay the same price; some exceptions for family outings are noted in the *Bulletin*.

Your Kind of Trip

Give thought to your real preferences. Some trips are moderate, some strenuous, a few are only for highly qualified participants. Be realistic about your physical condition and the degree of challenge you enjoy.

Medical Precautions

On a few trips a physician's statement of your physical fitness may be needed, and special inoculations may be required for foreign travel. Check with a physician regarding immunization against tetanus (lockjaw).

Emergency Care

In case of accident, illness or a missing trip member, the Sierra Club, through its leaders, will attempt to provide aid and arrange search and evacuation assistance when the leader determines it is necessary or desirable. Cost of specialized means of evacuation or search (helicopter, etc.) and of medical care beyond first aid are the financial responsibility of the ill or injured person. Medical and evacuation insurance is advised, as the Club does not provide this coverage. Professional medical assistance is not ordinarily available on trips.

Transportation

Travel to and from the roadhead is your responsibility, as is specialized transportation on some trips (e.g. air taxi, charter boats), which is not included in the trip price. To conserve resources, trip members are urged to form car pools on a shared-expense basis or use public transportation. The Outing Office does not make transportation arrangements. However, on North American trips the leader will try to match riders and drivers.

The Leader Is in Charge

He may at his discretion ask a member to leave the trip if he feels that the member's further participation may be detrimental to the trip or to the member.

Please Don't Bring These:

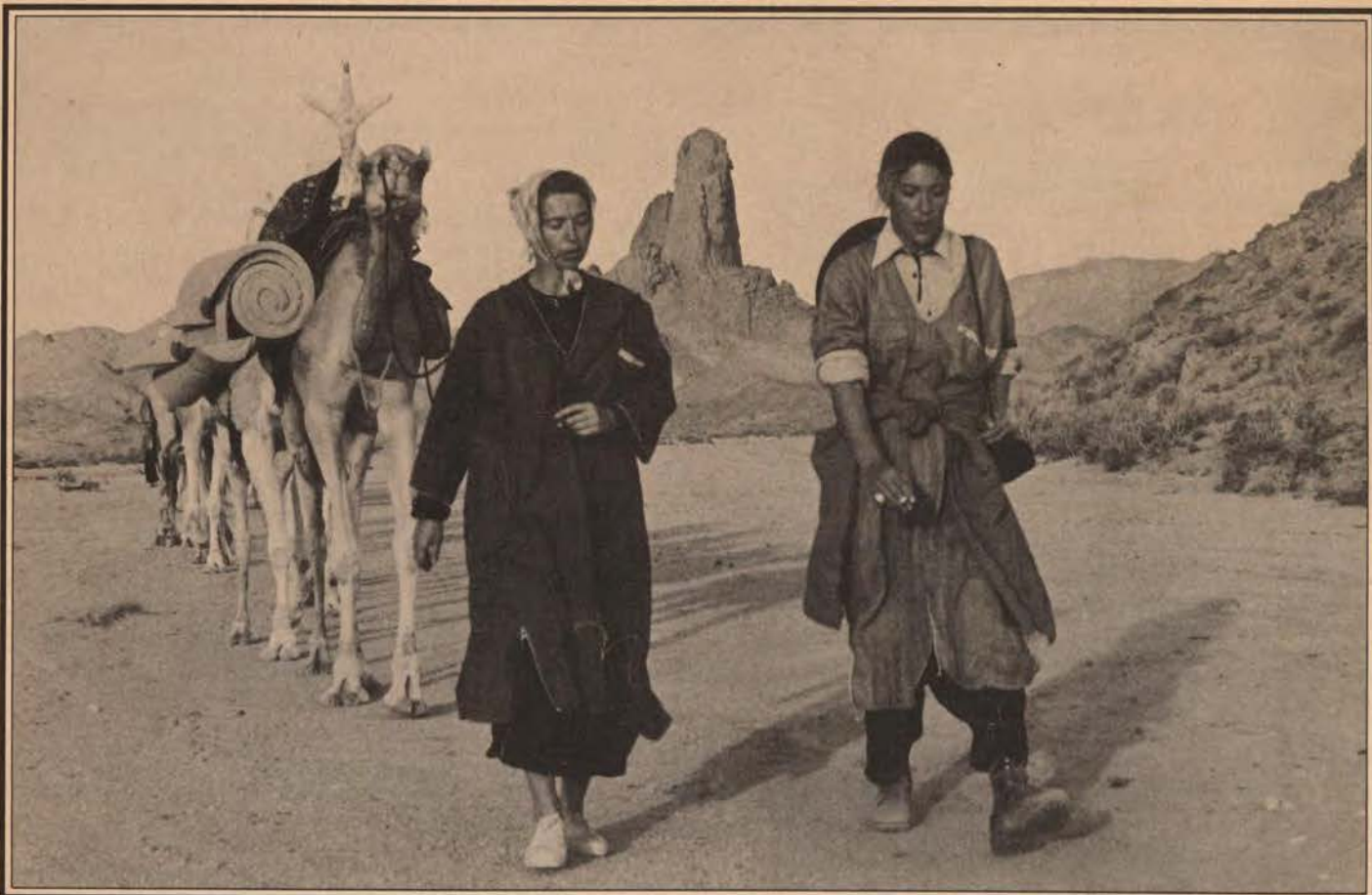
Radios, sound equipment, firearms and pets are not allowed on trips.

Mail Checks and Applications to:

Sierra Club Outing Dept., P.O. Box 7959, Rincon Annex, San Francisco, CA 94120

Mail All Other Correspondence to: Sierra Club Outing Dept., 530 Bush St., San Francisco, CA 94108

1977 Foreign Trips



Al Schmitz

Fifteen years ago the Sierra Club Outing Committee extended its activities to include trips to foreign lands. Our reason was to offer to members the opportunity to live, in countries beyond our borders, the same type of out-of-doors experience we find so rewarding at home, and to become aware of the peoples of those countries and their conservation problems. In order to do this we stay as close to the land and its inhabitants as possible, camping and walking wherever we can. In places where we cannot camp, we stay at native hotels and in inns frequented by the natives, not in plush accommodations run for foreign tourists. When possible, we get in contact with the local conservationists and mountaineers and live as they do.

Sierra Club foreign trips will take you to out-of-the-way places rarely visited by ordinary tour groups. This means, in many instances, that we adopt their way of life, and their time schedules and oftentimes their disregard for convenience and the amenities we often regard as essential. All this requires fortitude and a sense of humor, but it can be a high adventure treasured for the future.

Leaders of these trips are Sierra Club members, trained and experienced in the domestic program, who give special emphasis to the conduct of the trip and the

care of the trip members. Naturally, they cannot all be highly trained specialists on the country visited, or resource persons in the cultural-historical or biological features of the area. Therefore, members should instruct themselves beforehand on these features for maximum enjoyment. Of course, an effort is made to enlist native assistance when available.

(565) Baja Driving-Hiking Adventure—January 24-February 4. Leader, Betty Osborn, 515 Shasta Way, Mill Valley, CA 94941.

Our loop trip in 4-wheel-drive vehicles will include camping and exploring the coastal areas of both the Sea of Cortez and the Pacific Ocean, with side excursions into the central mountains—probably as far south as Bahia de Los Angeles. We will visit Scammon's Lagoon, whale breeding grounds, Spanish missions, and ruins of old Russian and English settlements, and enjoy unique botanical sights. Moderate hiking optional. Good swimming and snorkeling. Experienced guides will accompany us.

(585) Rim of Kathmandu Valley Natural History Trek, Nepal—March 4-26. Naturalist, Dr. R. L. Fleming, Kathmandu; leader, Al Schmitz, 2901 Holyrood Dr., Oakland, CA 94611.

When rhododendrons are in bloom and birds migrating, we will make a 2-week trek around the rim of the valley, attaining an altitude of almost 10,000 feet and enjoying magnificent views. We will camp every night. Porters will

carry all baggage. Daily walking distances seldom exceed 5 miles. In addition, we will have a full program of sightseeing in Kathmandu and spend 2 days at Tiger Tops. An optional trip of one week visiting highly interesting places in northern India is an added feature.

(587) Winter Walking in Norway Scouting Trip—March 12-27. Leader, Betty Osborn, 515 Shasta Way, Mill Valley, CA 94941.

This will be a ski-touring and snowshoe scouting trip for both the experienced and the novice. We will camp at huts or lodges in three areas: Finse, on the Oslo-Bergen railroad, an area known for its winter beauty and excellent ski-touring; at Gjendesheim in the famous Jotunheimen mountains; and at Rondvassbu in the Rondane National Park. We will be guests of the DNT, whose members will guide the group on daily excursions and on possible overnight ski tours to nearby huts. Leader approval is required.

(600) Galapagos Islands, Ecuador—May 23-June 9. Leader, Steve Anderson, 1082 Lucot Way, Campbell, CA 95008.

These islands contain the world-famous display of nature that so fascinated Darwin. For 15 days we live on a sailing boat. Moving each day to a different spot, we explore lava fields, a rain forest, and visit the Darwin Research Station. Nature photography is unexcelled. Some snorkeling, swimming, fishing. Optional overnight hike to the rim of a volcano crater to see the giant tortoises in their natural habitat. This will be at the end of the warm-wet season—the weather should be mild.

(595) Scotland—June 9-26. Leader, John Ricker, 2950 N. 7th St., Phoenix, AZ 85014.

(595) Scotland—June 13-30. Leader, Tony Look, 411 Los Ninos Way, Los Altos, CA 94022.

Walk with us over bonnie banks and braes, in the misty highlands and out by the purple islands, to discover the beauty, colorful history and the environmental challenges facing Scotland today. The walks are moderate; accommodations will be in hostels or small hotels. Leader approval is required.

(603) Land of the Sun Kings, Peru—June 19-July 24. Leader, Ray Des Camp, 510 Tyndall Street, Los Altos, CA 94022.

On this 36-day trip you will travel by bus, plane and foot to Lima, Trujillo, Cajamarca, Huaras, Ica, Nazca, Arequipa, Puno, and Cuzco. We plan also a 3-day side trip to La Paz. You will have opportunity to observe and study much that is significant from pre-Inca and Inca times through colonial and modern, including Indians in their homeland, living much as they were when Pizarro conquered the country. The final days of the trip will take you through the Inca highlands and will be climaxed by a 4-day hike to Machu Picchu over an original Inca road.

(625) Kenya: Northern Frontier, East Africa—June 20-July 16. Leader, Betty Osborn, 515 Shasta Way, Mill Valley, CA 94941.

On this popular outing we will travel from the Tanzania border to Lake Rudolf. Among the areas covered will be the Masai-Mara Game Reserve, Lake Nakuru, the Samburu-Isiolo Game Reserve and Lake Rudolf and Marsabit National Park. The general pattern of our trip will consist of 3 nights under canvas followed by a night in a lodge. Travel will be by Landrover, and we will hike in the parks and preserves as regulations permit. The outing requires a spirit of adventure and cooperation and is suitable for anyone in good physical condition.

(638) Southern Norway Trek—June 28-July 13. Leader, John Ricker, 2950 N. 7th St., Phoenix, AZ 85014.

The area is relatively low in elevation, made up of many rivers, irregularly scattered lakes and fjords, rising to 1,000-1,500 meters on the higher plateau of Hardangervidda. The country is known for its good trout fishing. Nights (no darkness!) will be spent in mountain huts and hostels. The trip is moderate, but will require some experience and the ability to carry a light pack 8 to 10 miles a day. We will start near Stavanger and end at Oslo. Leader approval is required.

(610) Hindu Kush Himalaya Trek, Pakistan—June 28-July 27. Leader, Peter Owens, 123 N. El Camino Real, San Mateo, CA 94401.

This 4-week trip will feature trekking, jeep rides and some local busing through an area rich in history. Explore the Indus River route of the Sikh general, Akbar, the Malakand Pass of Churchill's youth, the Swat valley of Alexander the Great, and Kipling's Kafiristan. Our moderate trek of 17 days will take us across a 15,500-foot snow pass as we go from Swat into Chitral. A jeep trip over Lowari Pass into Dir and on to Peshawar, the Paris of the Pathans, will end our trip into this fascinating Moslem region. Leader approval is required.



Al Schmitz

(636) Galapagos Islands, Ecuador—July 11-28. Leader, Charles Schultz, 14 Pacheco, #7, San Rafael, CA 94901.

Darwin's islands contain extremes of habitat, vegetation, and animal life. Iguanas, the famous giant tortoises, many sea birds, and the small finches that led Darwin to his theory of evolution are all here to be seen as we explore the islands by land and sea. As we snorkel in a protected cove, hike a recent lava flow or climb to a crater's rim, walk through a rain forest or just sit on the edge of a cliff, we will come as close as possible to experiencing undisturbed nature.

(605) France: The Alps to the Mediterranean—July 5-20. Leader, Lynne Simpson, 1300 Carter Rd., Sacramento, CA 95825.

Rural, alpine France with its hospitable people will be the focus of this 2-week trip as we follow the Alps south from Geneva to Nice. French conservation will be emphasized as we visit several national parks. Hikes, including one overnight, will be moderate and a daypack will be adequate for personal gear. Due to elevation (11,000 feet), leader approval is required. We will drive rented minibuses and stay in hostels and small hotels.

(630) Camping, Hiking and Game Viewing in Kenya, Tanzania and Zambia—July 15-August 13. Leader, Al Schmitz, 2901 Holyrood Dr., Oakland, CA 94611.

We will visit some lakes in the Rift Valley and then hike in the Loita Hills before visiting the outstanding game-viewing areas near the Kenya-Tanzania border, such as Masai-Mara, Serengeti, Olduvai Gorge, Ngorongoro Crater, Tarangiri, and the Momella Lakes under Mt. Kilimanjaro. Several days are planned for Zanzibar and Dar-es-Salaam before flying to Zambia for a week of walking and camping in Luangwa Valley National Park. Hiking distances are moderate. Minimum age is 12.

(620) Yugoslavia: Mountains and Sea Coast—July 18-August 9. Leader, Ross Miles, 350 Sharon Park Dr., #B-21, Menlo Park, CA 94025.

Beginning in Ljubljana, this trip takes us through some of the most beautiful portions of Yugoslavia. In Slovenia we hike in the Kamnik and Julian alps. Our nights are spent in huts and

hostels. We travel down the Dalmatian Coast visiting the famous caves of Postojna and Diocletian's Palace. At Split we take a steamer through the islands to Dubrovnik. We leave the coast at Petrovac and travel to the Montenegro mountains, where we have a base camp. In these spectacular mountains day trips have been arranged. Our trip ends in Titograd. Moderate hiking up to 10 miles a day. Leader approval is required.

(650) Australia-Down Under—September 4-October 2. Leader, Ann Dwyer, P.O. Box 61, Kentfield, CA 94904.

Australia is a land of contrasts. We will visit a large sand island with rain forests, swimming lakes and sand-blows. Camping near and snorkeling on the Great Barrier Reef will precede our visit to the vast desert country near Alice Springs for some day-hikes. Unique Australian wildflowers will be in bloom when we return to the mountains near Brisbane. Of course, we will see kangaroos, koalas, and kookaburras.

(700) Annapurna Circle, Nepal—September 24-October 30. Leader, Norton Hastings, 100 Quarry Rd., Mill Valley, CA 94941.

This moderately strenuous trek will circle the massifs of Annapurna Himal, Lamjung and Ganesh Himal. We'll walk north through the Marsyandi Valley, cross Thong La at 17,000 feet and then move south through the Kali Gandaki Gorge. If snows block the passes, we'll base-camp in Annapurna Sanctuary for high-altitude hiking. Leader approval is required.

(705) Nepal, Hongu-Everest-Cho Oyu—October 8-November 30. Leader, Doug McClellan, 88 Ridge Rd., Fairfax, CA 94930.

We'll go up the Arun Valley, ford the Arun River, and go north through trailless country to reach the Hongu Glacier from which we cross Amphu Lapcha Pass at 18,965 feet. We descend into the Imja Valley and visit Everest Base Camp. Returning south through Gokyo and Namche Bazar, we'll fly from Lukla to Kathmandu. This strenuous trek requires basic mountaineering experience and leader approval.

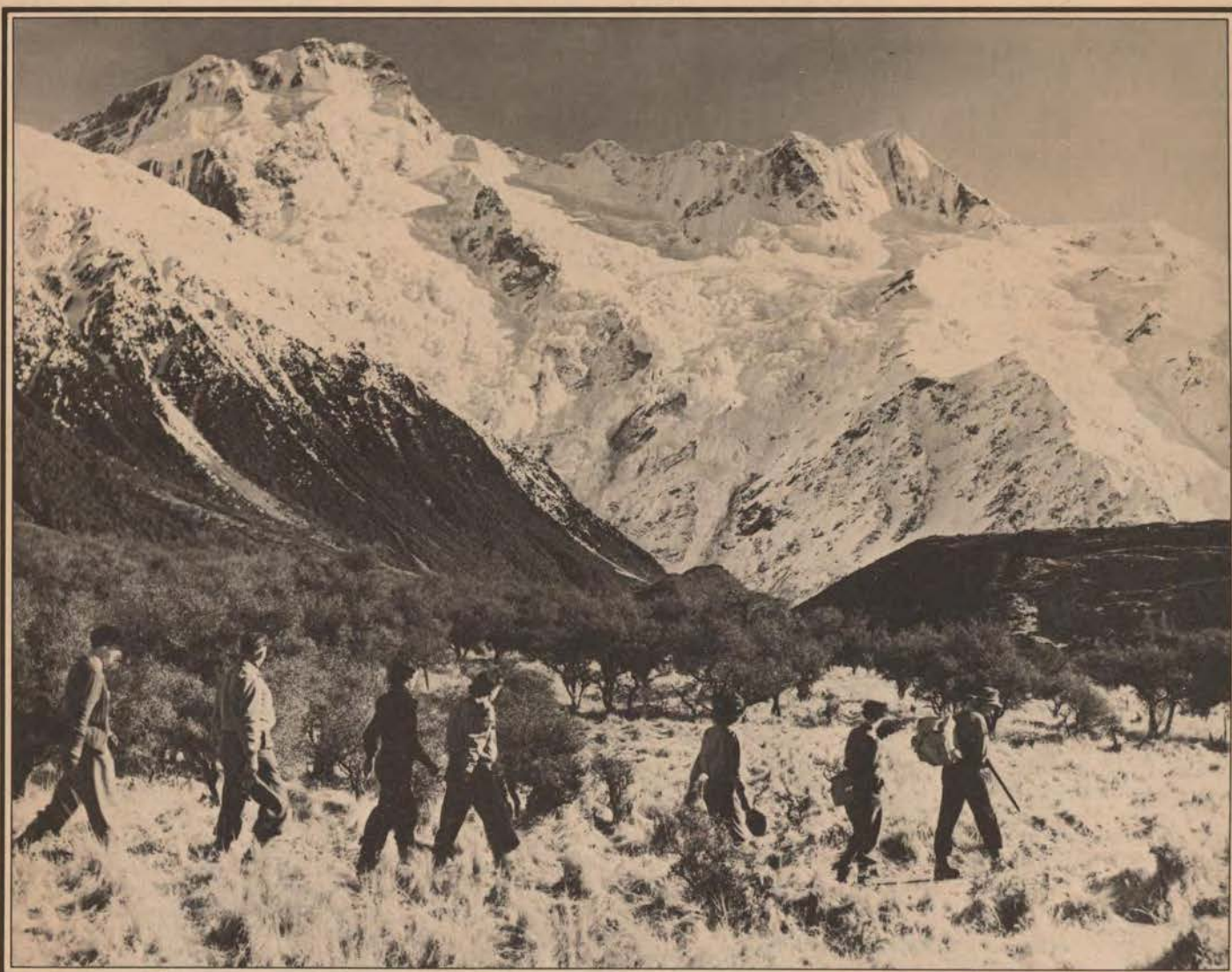
(710) Mexico, Glimpses of Past and Present—November 12-December 13. Leader, Ray Des Camp, 510 Tyndall St., Los Altos, CA 94022.

After ample time in and around Mexico City, we will tour by air-conditioned bus the states of Mexico, Puebla, Oaxaca, Chiapas, Tabasco, Campeche, Yucatan, Quintana Roo and Vera Cruz. We will visit Indian markets (Toluca is one of the largest), colonial and modern cities, and many archeological sites from the Pyramids of Teotihuacan to the Mayan cities of Chichen-Itza, Palenque, and Bonampak. There will also be a taste of tropical beaches with one night on the Gulf of Tehuantepec and several at Cancun, on the Caribbean Sea.

(715) Holiday Special: Galapagos, Ecuador; Peruvian Bird and Easter Islands—December 20-January 13, 1978. Leader, Al Schmitz, 2901 Holyrood Dr., Oakland, CA 94611.

Spend Christmas on the tropic waters in the Galapagos Islands with their abundant bird, animal and marine life. Wander through Quito's cobblestoned streets and enjoy Lima's famous churches during the holiday season. We will inspect the spectacular birdlife of Peru's famous guano islands near Pisco, and then move on to Easter Island for a 4-5 day visit.

1978 Foreign Trips



Sierra Club Photo

(720) Auyan Tepui (Devil Mountain), Canaima Park, Venezuela—February 25-March 16. Leader, Terry Davis, P.O. Box 5710, Santa Monica, CA 90405.

Explore the rugged top of a vertical-walled, flat-topped mountain with a summit area of 400 square miles from which the world's highest waterfall drops 3,212 feet to the jungle below. Requires strength and agility for climbing. Leader approval required.

(725) Micronesia—February-March. Leader, Wheaton Smith, 243 Ely Place, Palo Alto, CA 94306.

During our 4-week trip we will experience a variety of seldom-visited islands, cultures and peoples. Highlights will include staying in remote villages without tourist accommodation, seeing major conservation areas, visiting the ancient ruins of Nan Madol, and swimming in lagoons with outstanding snorkeling.

(730) Venezuela/Suriname: By Foot and Paddle—February-March. Leader, Linda Liscom, 80 Harrison, #4, Sausalito, CA 94965.

Explore the unexplored as we become the first Sierra Club group to navigate the Rio Garuzi

in Venezuela's dramatic Grand Sabana. We paddle our own 4-passenger rafts 160 km in 9 days through forests overflowing with rare orchids and exotic birds; fine freshwater swimming, fishing; day hikes and hammock sleeping in Suriname's 2 major nature reserves—Raleigh Falls and Wia Wia. Requirements: stamina and flexibility. Leader approval required.

(735) East Africa: Cross-Country Horseback Safari, Kenya—February-March. Coordinator, Betty Osborn, 515 Shasta Way, Mill Valley, CA 94941.

This cross-country adventure on horseback from Nairobi to visit Lake Naivasha and the Samburu Game Refuge will allow everyone a unique opportunity to observe, study and photograph at close range the multitude of wild game, especially the bird life; also to enjoy the beauty and peacefulness of the great Rift Valley. We will overnight at tented camps and lodges.

(740) Winter Walking in Norway—March 3-17. Leader, Betty Osborn, 515 Shasta Way, Mill Valley, CA 94941.

This will be a ski-touring adventure for both the experienced and the novice. We will be

guided by members of the Norwegian hiking club who will teach Norwegian ski-touring techniques on daily excursions and overnight tours. Leader approval required.

(745) Nepal, Kathmandu Valley Leisure Natural History Trek—March. Leader, Al Schmitz, 2901 Holyrood Dr., Oakland, CA 94611.

A 2-week trek in 50-mile-long Kathmandu Valley, accompanied by naturalist Dr. Robert L. Fleming, will furnish a cross section of the natural history and cultures of the local inhabitants. Daily hiking distances are moderate. A 2-day trip to Tiger Tops in the Terai is included.

(750) Iran—Spring. Co-leaders, Ivan de Tarnowsky, Room 710, 57 Post St., San Francisco, CA 94104, and Ray Des Camp, 510 Tyndall St., Los Altos, CA 94022.

In our tour we expect to sample both modern Iran and ancient Persia. We see diverse areas from the shores of the Caspian Sea and the forested mountains of the north to Shiraz and Kerman in the south. We'll view such ancient ruins as Persepolis, and both native towns and modern cities.

(755) Wales, England, Scotland—June. Leaders, Lori and Chris Loosley, 22 Westbury Rd., New Malden, Surrey KT3 5BE, U.K.; and Doug McClellan, 88 Ridge Rd., Fairfax, CA 94930.

This 3-week trip combines some of the best coast and mountain walking areas in Britain: rugged Snowdonia in Wales, the celebrated Lake District of the poets, the western coast and misty islands of Scotland. Accommodations will be in inns, farmhouses or hostels. Leader approval is required. Hiking is moderate.

(760) Japan—from the Inland Sea to Northern Honshu—June 24-July 23. Leaders, Tony and Mildred Look, 411 Los Ninos Way, Los Altos, CA 94022.

Island-studded Inland Sea Park is seen during our trip through the waterway prior to visiting Shikoku Island and Mt. Ishizuchi. An airlift to Northern Honshu begins a cross-island trip to a mountain spa and a Samurai village before visiting Rikochu Coast National Park and Matushima Bay.

(765) Spain: Central Pyrenees—June 25-July 15. Leader, Lewis Clark, 1349 Bay St., Alameda, CA 94501.

Twenty-one days combining walking and riding charter buses in the scenic *Pyrenees Central* with a short swing into *les Pyrenees de France*. Stay in village *hostales* and mountain *refugios*. Walking mostly moderate to easy, with some travel over snowfields and a glacier.

(770) Canal Casiquiare, Venezuela-Brazil—Summer, 1978. Leader, Ted Snyder, 2 Whitsett St., Greenville, SC 29601.

The bifurcation of the Orinoco gives rise to the Casiquiare, a tributary of the Rio Negro. We boat 1,300 miles through practically unsettled rain forest, little-explored since Humboldt and Wallace. Unscouted; an expedition subject to unexpected difficulties. Begin at Caracas; end in Manaus. 3-4 weeks. Leader approval required.

(775) East Africa: Kenya's Northern Frontier—July. Coordinator, Betty Osborn, 515 Shasta Way, Mill Valley, CA 94941.

We travel in Landrovers from Nairobi through scenic gamelands, visiting tribal villages and observing the great variety of animals and birds in the wild, as well as native trees and plants. Our English guide is also a naturalist. The group will help establish tented camps from which we take daily walking and driving excursions. Between camps we enjoy occasional stays in lodges.

(780) Kashmir-Ladakh Leisure Trek, India—July. Leader, Tris Coffin, 500 Tamalpais Ave., Mill Valley, CA 94941.

We will enjoy luxury on houseboats and trek leisurely through the flowered mountains nearby, with views of great peaks in the Karakoram. From Srinagar, we bus over spectacular mountains to the high desert province of Ladakh. You may extend your Asian travel to Varanasi, the Taj Mahal, Nepal, etc.

(785) Hiking in Iceland—Mid-July. Leader, Brad Hogue, 3750 Long Ave., Beaumont, TX 77706.

Hiking through volcanic deposits ranging in size from granular to massive, across lush meadows and icy streams. We will sleep in huts and have layover days that may be spent hiking or at leisure. Some bus travel to geysers, waterfalls,

a museum. Children accompanied by parents encouraged. Minimum age, 12. Leader approval required.

(790) Hiking and Canoeing in Sweden—July 20-August 10. Leaders, Blaine Le Cheminant, 1857 Via Barrett, San Lorenzo, CA 94580; and Mary Miles, 18 Farm Rd., Los Altos, CA 94022.

For 8 days we canoe a lovely chain of forest-rimmed lakes, then move above the Arctic Circle for 8 days of hiking. We stay in mountain huts and lodges and visit Europe's last wilderness, Abesko Park.

(795) Ecuador—July-August. Leader, Charles Schultz, 14 Pacheco, #7, San Rafael, CA 94901.

Our trip will include hiking in the highlands between mountain villages, a canoe trip down the Napo River in the Upper Amazon, and a trans-Andean trip from the jungles up over the crest and into Quito. Spending considerable time in the field, we will observe the flora, fauna and physical geography.

(800) Tour du Mont Blanc and Parc National de la Vanoise, France—August. Leaders, Pat Hopson, 907 6th St., SW, Apt. 504C, Washington, DC 20024; and Dick Williams, 324 N. Edison St., Arlington, VA 22203.

This outing combines the circuit of Mt. Blanc (Europe's highest peak), a classic alpine walk through France, Italy and Switzerland, with a traverse of a nearby and less-visited French national park. Both walks feature spectacular mountain scenery, varied wildlife and close approaches to large glaciers, but no glacier walking. Strenuous; minimum age, 16; leader approval required.

(805) Walking, Camping, Game Viewing in Tanzania, Zambia and Botswana—August. Coordinator, Betty Osborn, 515 Shasta Way, Mill Valley, CA 94941.

We will walk and camp in some of the finest game-viewing and scenic areas in each country. Our new country to explore, Botswana, will include both walking and driving excursions. Hiking distances are moderate. We overnight in tented camps and lodges.

(810) Nepal, Pokhara to Jumla—October. Coordinator, Doug McClellan, 88 Ridge Rd., Fairfax, CA 94930.

This moderate but lengthy trek offers a splendid variety of Nepalese terrain, people and architecture. The highest pass of the trek is Jangla Bhanjyang at 14,060 feet. There will be time for sightseeing in Kathmandu Valley and post-trek visits to the sacred Hindu city of Varanasi and to Agra, site of the Taj Mahal. Leader approval required.

(815) Nepal, around Dhaulagiri—November. Leader, Doug McClellan, 88 Ridge Rd., Fairfax, CA 94930.

This is a strenuous 30-day alpine trek during which we hope to complete a circle around Dhaulagiri, the 26,810-foot giant of western Nepal. Our descent from snow country will take us to Tukche on the Kali Gandaki and a return to Pokhara by the main trade route. Some prior mountaineering experience and leader approval are required.

(820) Hoggar Mountains Camel Caravan, Southern Algeria—November-December. Coordinator, Betty Osborn, 515 Shasta Way, Mill Valley, CA 94941.

You may ride your own camel or walk through the spectacular mountain country of the Hoggar, camping with the legendary nomadic Tuareg tribe. Your camel caravan will take you far away from civilization, into the lonely grandeur of this desert region of the Sahara with its wide expanse of sky and sand and rock. Commissary is simple but adequate. The strange but simple lifestyle of the Tuaregs will be a revelation.

(825) South Sea Islands—December 27-January 16, 1979. Leader, Ann Dwyer, P.O. Box 61, Kentfield, CA 94904.

In December and January, it is summer in Fiji, Tonga and Samoa with large, brilliant flowers and ripe mangoes. When staying in remote villages, we will be able to experience the life and culture of these three island groups and take part in the local activities. We will also swim and snorkel in warm, sheltered waters and hike in the tropical forests.

Bicycle Trips

Use of a bicycle, a unique way of touring, allows the rider a degree of mobility and freedom that is lacking in many other forms of touring. It conserves fuel and is especially important in Hawaii, where 100% of the fuel supply is imported. Terrain variations lend to the overall experience of bicycling, as often challenging rides are interspersed with lazy cruises. Leader approval is required for all bicycle trips.

(86-E) Eco-cycling Southeast Minnesota and Western Wisconsin—June 12-26. Leader-Instructor, Elizabeth Barnard, 3505 West 28th St., Minneapolis, MN 55416.

Combining cycling with environmental awareness, we'll examine alternative lifestyle possibilities in light of population growth. We'll visit an organic farm, self-employed craftspeople, rural and urban communal-living groups, beekeepers, log-cabin builders, stovemakers, an organic flour mill, and community gardens. Living simply, we carry only the necessary equipment, buying food as we go, cooking cooperatively. Total trip distance is 600 miles over rolling terrain, with optional layover days.

(87) Cycling Around Kauai, Hawaii—July 18-August 1. Leader, John P. Biestman, 350 De Neve Dr., Los Angeles, CA 90024.

Our trip to the Garden Island will take us from Lihue to Hanalei and the Na Pali Coast, along with a trip to Kokee and Waimea Canyon. There will be ample time to hike and beach-comb. Seven riding days are interspersed with seven layover days. Average daily distance is 25-30 miles. Commissary duties will be cooperative. Cost excludes round-trip air fare (approximately \$265) and \$30 bicycle freight charges.

(88) Maui by Bicycle—August 4-18. Leader, Paul Williams, 4923 Nelson St., Fremont, CA 94538.

Highlights of the tour will include the Seven Pools, a day-hike across Haleakala, and a one-day boat trip to Lanai for swimming and snorkeling. With seven riding days of about 35 miles each, and eight layover days, there will be plenty of time to explore the historical and natural landmarks of the Valley Isle. Cost excludes round-trip air fare (approximately \$265) and \$30 bicycle freight charges.

Alaskan Trips



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An Alaskan wilderness experience will live in your memory long after you return home. Land-use decisions are now being made in Alaska, where conservation issues are current and critical. These trips and you as participants can have a real influence on how these wilderness areas are used or preserved. The scenery is big, powerful, remote and seldom gentle. Terrain and weather often make heavy demands on the traveler, but the rewards are commensurate. Come and get hooked on the peculiar lure of this awe-inspiring country. Trips to Alaska feature small groups and are expensive, making a late cancellation difficult for the Outing Office, and for you. If you have questions about an outing, send for the supplement before making a reservation.

(50) Arctic Wildlife Range Base Camp—June 3-17. Leader, Wilbur Mills, P.O. Box 1796, Fairbanks, AK 99701.

We fly to a remote mountain valley in this 9,000,000-acre wildlife reserve to explore a rugged section of the Brooks Range, making day-hikes, non-technical climbs, and possibly a short overnight. The trip coincides with the caribou migration and we should see many, as well as Dall sheep, grizzlies, wolves, and a host of birds. Backpacking experience is required. Trip price does not include charter plane costs, which are estimated at \$150 per person. Leader will screen applicants.

(51) Glacier Bay-West Chichagof Boating-Hiking—July 10-23. Leader, Chuck Johnstone, Box 316, Sitka, AK 99835.

(53) Glacier Bay-West Chichagof Boating-Hiking—July 27-August 9. Leader, Chuck Johnstone, address above.

You'll spend the first week along the rugged Pacific coast of Chichagof Island, exploring many bays, a sea-lion rookery, hot springs, and the mature rain forest. The contrast with the spectacular tidal glaciers and mountains of Glacier Bay the next week is always striking. Travel is comfortable on our 45-foot cruiser, and there's activity on shore each day. Trip members (17 and older) must be ready for hikes in rough country. Trips begin and end in Sitka.

(52) Seymour Canal Canoe, Admiralty Island, Alaska—July 24-31. Leader, Sandy Sagalkin, Rt. 5, Box 5575-B, Juneau, AK 99803.

(55) Seymour Canal Canoe, Admiralty Island, Alaska—July 31-August 7. Leader, Jon Tillinghast, Rt. 5, Box 5836, Juneau, AK 99803.

We fly by air-taxi from Juneau to the head of Seymour Canal, Admiralty Island, where we begin the canoe trip. We paddle through the Seymour Canal, Bald Eagle Sanctuary, and visit the Pack Creek Brown Bear Observation Station for a close view of the famous Alaska brown bear. We paddle the remainder of Seymour Canal and end the trip at Gambiar Bay. Air-taxi included in trip price.

(54) Alaska-Yukon Scenic Tour and Knapsack—July 29-August 24. Leader, Pete van Duym, 41 Riverdale, Covington, LA 70433.

We cruise up the Inside Passage from Seattle, and explore Glacier Bay by plane, boat, and on foot, then hike across Chilkoot Pass to Canada. Next come the glaciers and crags of McKinley Park. We pack into the high tundra of Kenai Peninsula, and return to Seattle by plane. Moderately strenuous backpacks total 14 days and alternate with in-between travel by ship, plane, car, and train. Camping and freeze-dries alternate with hotel and restaurant meals.

(56) Lake Clark Knapsack—August 9-29. Leader, Blaine Le Cheminant, 1857 Via Barrett, San Lorenzo, CA 94580.

The rugged Aleutian Range along the west side of Cook Inlet rises from sea level through heavily forested valleys to glaciated summits over 10,000 feet. Repeating last year's trip with some variations, Bob Waldrop will guide this rugged knapsack trip across the range from the sea to Lake Clark. Air charter from Anchorage to the trip and return is not included in trip price, and is estimated at \$170. Leader will screen applicants.

(57) Brooks Range Knapsack—August 12-26. Leaders, Les Wilson and Dennis Schmitt, 683 Arlington Ave., Berkeley, CA 94707.

We will fly to Itkillik Lake and hike through the highest part of the Endicott Range into the headwaters of the Nanushuk River. Here there will be several days for exploring glaciers, attempting nearby unclimbed peaks, or photographing the abundant and varied arctic life. The trip will then traverse the range at higher elevation, descend into the limestone Anaktiktok Valley, and end at Anaktuvuk Pass. Charter flight costs from Fairbanks, estimated at \$150, are not included in trip price. Knapsacking experience needed; leader will screen applicants.

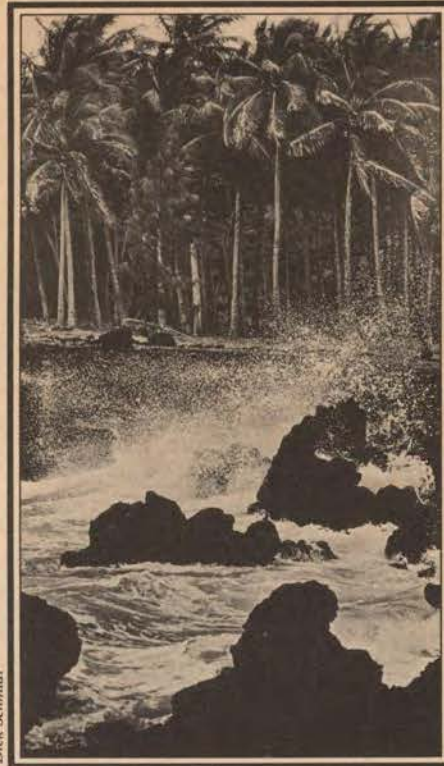
Hawaiian Trips

The Hawaiian environment provides a unique setting for an unusual kind of Sierra Club Trip. Every outing is a conservation effort offering the opportunity to see and experience the natural wonders of the fiftieth state with a minimum of disturbance to the land, sea and air. Trip members can visit sights missed by the ordinary tourist. Campsites are normally in county, state or national parks. We move in groups of thirty or less in rental cars. Hikes are generally optional and range from mild to mildly strenuous.

Trip prices do not include air fare. Other Hawaiian trips are listed in the Bicycle and Underwater Exploration sections.

(133) Beaches and Forests of Kauai—May 30-June 9. Leaders, Pete and Judy Nelson, 5906 Dirac St., San Diego, CA 92122.

The garden island of Kauai has some of Hawaii's most beautiful beaches. Potential beach campsites at Salt Pond and Hanalei Bay will be our base for swimming, snorkeling, sunning and exploring them all. From a mountain camp in Kokee State Park we can explore the trails and overlooks of Waimea Canyon and Alakai Swamp. For the hardy (with leader approval), an optional knapsack sidetrip will hike the Kalalau trail along the rugged Na Pali coast.



Dick Schmidt

(134) Moku Loa, The Big Island—August 22-September 1. Leader, Walt Weyman, Star Route, Marshall, CA 94940.

Hawaii, the youngest and also the largest island, was formed by five volcanoes. One of these is Mauna Loa, the earth's most massive mountain. Our first campsite will be in Volcanoes National Park where we will hike in, on and around another active volcano, Kilauea. Other camps will be in the Puna District at a black-sand beach, and in a koa forest in the Hamakua District on the slope of Mauna Kea, with our final camp at a white sand beach in the South Kohala District.

(135) Island of Hawaii—December 19-29. Leader, Milt Sugarman, 1121 Holmes Ave., Campbell, CA 95008.

The Big Island, Moku Loa, is one of contrasts: volcanic craters and grassy meadows, craggy lava and white sand beach, touristy villages and remnants of ancient civilization. Sampling some of each will let you discover favorite places to lure you back. We camp at a variety of state and county parks, with opportunity for sunning, swimming and snorkeling, as well as day hikes to observe native flora, lava formations and petroglyphs.

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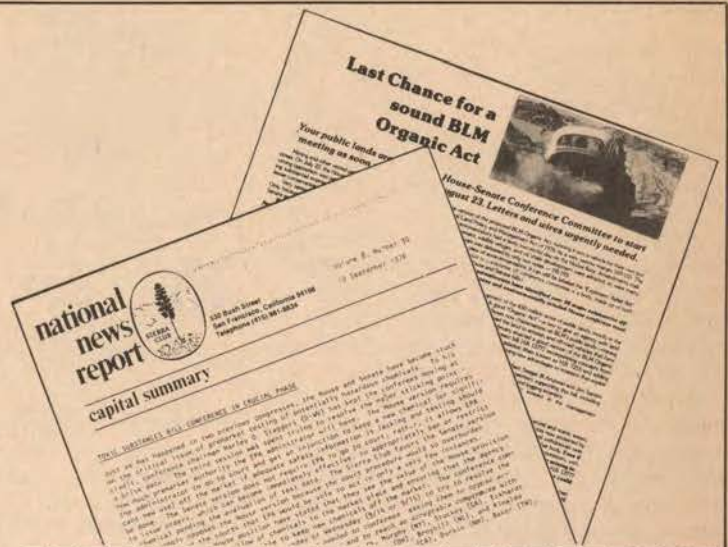
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Water Trips

Again we offer adventures and exhilarating experiences with nature from the vantage point of water, going places and seeing things that can seldom be experienced in any other way, whether on a raft, Mexican boat trip or paddling your own canoe. Some of the rivers run are in the Wild Rivers System, others are threatened with dams, all are worth a personal visit. On all trips, unless otherwise specified, bring your own camping gear.

Raft Trips combine the excitement of whitewater rapids with enjoyment of the natural beauties and wonders of wild-river areas. Most of these trips are on rivers that many of us have worked hard to preserve, and some are in areas where the battle continues: see for yourself how worthwhile these efforts in conservation have been and continue to be. Our outfitters are carefully selected for a record of providing good equipment and food. They also have boatmen who not only get us safely down the river but who have the ability to pass on some of their knowledge and to impart some of their love and respect for the area and its details. Most trips are oar-powered with relatively small rafts . . . no motor fumes or noise, and fewer people per boat lend greater awareness and appreciation. Magnitude of rapids varies with river and season. Sierra Club leaders usually succeed in bringing to the group a happier, more memorable experience and a better understanding and appreciation of the wild nature they see, and of their fellow trip members than is had with most commercial trips.

Canoe Trips give the trip members a chance to be part of the action, whether it be running rapids, picking blackberries from a canoe or gliding quietly by a feeding moose. The leader offers advice in paddling and water safety as needed. Your craft carries your own gear, part of the commissary gear and food; you share in cooking at the beach campsites. Canoes are provided on some of the trips. Paddling skills needed vary with the trip but swimming ability is required for all. Leader will screen applicants.

Boat Trips take you by powered boat from one beach campsite to the next for memorable experiences with marine life, aquatic birds, frequently very beautiful beaches for swimming, sunning, snorkeling, fishing. Our efforts for the preservation of the beaches directly involve the conservation of endangered species, including turtles. Unusual menus from local produce, and interesting contact with local fishermen and others in out-of-the-way places make these trips very well received. Bring your own camping and eating gear.

Leisure Boat Trips are similar to Boat Trips but do not involve camping on

beaches; trip members sleep and eat on the boat. These are designed for those who want to participate in a Sierra Club trip, but who are not able to handle the scrambling in and out of boats or setting up camp on the beaches. See also other boat trips listed elsewhere in this issue.



River Raft Trips

(280) Grand Canyon Oar Trip, Arizona—May 14-25. Leader, Dawn Cope, 2150 San Vito Circle, Monterey, CA 93940.

(289) Grand Canyon Oar Trip, Arizona—July 6-17. Leader, Lynn Dyche, 2747 Kring Dr., San Jose, CA 95125.

(291) Grand Canyon Oar Trip, Arizona—July 23-August 3. Leader, Blaine LeCheminant, 1857 Via Barrett, San Lorenzo, CA 94580.

(299) Grand Canyon Oar Trip, Arizona—August 26-September 6. Leader, Mary Miles, 18 Farm Road, Los Altos, CA 94022.

This is perhaps the greatest combination to be found anywhere of canyon beauty, majesty, detail and variety of nature in 225 miles of peaceful river and wild, exciting rapids. Each 17' x 7' inflated raft carries only 4 to 5 persons and a professional oarsman. Important to Sierra Club members is the very sensitive approach of the outfitter; we stop frequently to see, feel, smell and learn about the many wonderful things and places that are normally missed on most commercial trips. Minimum age is 15 (18 solo). Cost includes round-trip transportation from Flagstaff, Arizona.

(281) California Rivers, Tuolumne and Stanislaus—May 16-20. Leader, Steve Anderson, 1082 Lucot Way, Campbell, CA 95008.

Tumbling down from its high Yosemite beginnings, through steep-walled canyons dotted with oak and pine, the rapids-swept Tuolumne takes us on an incomparable run. After three days on the Tuolumne, we transfer by bus to the Stanislaus for two days. Different in character, this river has calmer water, but is richer in Indian sites and opportunities for cave exploration. This may well be our last year to run the beautiful Stanislaus, as it is slated to be dammed. Minimum age is 12 accompanied by parent, or 18 solo.

(282) Owyhee River, Oregon—May 22-26. Leader, Russell Snook, 730 W. Edmundson Ave., Morgan Hill, CA 95037.

The Owyhee River of eastern Oregon takes us through one of the most rugged and colorful river canyons in the Northwest. Prolific and varied bird populations and other forms of wildlife make this an outstanding trip for nature lovers. Unusual geologic formations, hot springs, cool side streams, old homestead sites, and good rapids add interest to this little known corner of the West. Minimum age 8. Car shuttle available at additional cost.

(283) Rogue River, Oregon—June 6-10. Leader, George Roush, 16250 Jacaranda Way, Los Gatos, CA 95030.

(288) Rogue River, Oregon—July 4-8. Leader, John Garcia, 165 Random Way, Pleasant Hill, CA 94523.

(292) Rogue River, Oregon—July 25-29. Leader, Ruth Dyche, 2747 Kring Dr., San Jose, CA 95125.

(294) Rogue River, Oregon—August 8-12. Leader, Lois Pickett, 4409 Alma Ave., Castro Valley, CA 94546.

For five idyllic days we raft down the Rogue River. Calm, beautiful stretches of river are interspersed with exciting rapids. Each night we camp on a river bank in a setting of complete wilderness. The last day of the trip is through Mule Creek Canyon, a wild, beautiful, narrow river defile ending near Agness. This is a fine family trip that includes time for swimming and exploring. Minimum age, 8. Car shuttle available at additional cost.

(284) Dolores River, Paddle-raft, Colorado—June 6-11. Leader, Tris Coffin, 500 Tamalpais Ave., Mill Valley, CA 94941.

The Dolores River, currently being considered for protection under the Wild and Scenic Rivers Act, is a river unique in the West. In the 100 river miles encompassed by the trip, it flows through several climatologic and geologic zones. Flowing north in an area where most rivers flow west or south, the Dolores offers both white-water excitement and outstanding nature study. Cost includes transportation from Durango, Colorado. Minimum age 8 (18 solo).

(285) Hells Canyon of the Snake River, Idaho—June 11-16. Leader, Anna Stedina, 357 Bryant Court, Palo Alto, CA 94301.

(297) Hells Canyon of the Snake River, Idaho—August 22-27. Leader, Martin Friedman, 353 Montford Ave., Mill Valley, CA 94941.

This section of the Snake River flows through the deepest river gorge in North America. Many white-water rapids, fishing, bird-

watching, and an ever-changing panorama make this a most popular trip. Continuous conservation effort is necessary in this area. Minimum age, 8 (18 solo). Cost includes transportation from Boise and return to Lewiston, Idaho.

(286) San Juan River, Utah—June 13-18. Leader, Deborah Douglas, 260 Concord Ave., #22, Pleasant Hill, CA 94523.

Southwestern Colorado is the setting of the San Juan River. It runs from the mountains through the spectacular canyonlands of the Colorado Plateau where colorful stratified rock

(290) Middle Fork of the Salmon River, Idaho—July 10-15. Leader, Ann Dwyer, P.O. Box 61, Kentfield, CA 94904.

(293) Middle Fork of the Salmon River, Idaho—August 3-8. Leader, Greg Horner, 479 Sims Rd., Santa Cruz, CA 95060.

(296) Middle Fork of the Salmon River, Idaho—August 19-24. Leader, Kurt Menning, P.O. Box 582, San Jose, CA 95106.

Riding in small, four-man rafts down this exciting and beautiful river, one gets a feeling of complete harmony with the wilderness world.

(298) Chilcotin River, British Columbia, Canada—August 22-27. Leader, Harry Neal, 25015 Mt. Charlie Rd., Los Gatos, CA 95030.

We start at Vancouver, British Columbia, with an unforgettable float-plane flight over enormous glaciers and high peaks to lovely Chilko Lake. Here we board the rafts for our four and one-half days of river running, which includes the gentle Chilko River as well as the wild rapids of the Chilcotin. We leave the river and fly to Williams Lake where we take an eight-hour train ride back to Vancouver. Minimum age 12 (18 solo).



Sierra Club Photo

forms a deep narrow gorge. We ride through frequent rapids, and take side hikes up Chinle Wash, Slickhorn, and Grand Gulch. We explore the river banks, on which are found some of the finest panels of ancient Indian petroglyphs. This is an outstanding wilderness adventure. Bus transportation included in price. Minimum age 8 (18 solo).

(287) Westwater-Cataract Canyon Raft-Hiking, Colorado/Utah—June 19-26. Leader, John Barnard, One El Capitan, Mill Valley, CA 94941.

For seven days we raft and hike into magnificent canyons and mesas few people know. After a short run in Westwater Canyon, we hike overland, descending steeply to Mineral Bottom at the Green River. Rafting to the confluence of the Green and Colorado rivers, we lay over for a hike to the remote Valley of the Dolls. A final run through Cataract Canyon brings us to the trip end. Trip cost includes return transportation to Grand Junction. Minimum age 8 (18 solo).

Our last day, through Impassable Canyon, brings us to the confluence of the Main Salmon, 110 miles from the starting point. Minimum age 10 (18 solo). Cost includes transportation from Boise, and to Salmon, Idaho, but is subject to change if flight to the Indian Creek put-in is necessary.

(295) "River of No Return," Main Salmon River, Idaho—August 16-21. Leader, Wes Farrand, 3380 Cork Oak Way, Palo Alto, CA 94303.

The "River of No Return" flows east to west through the marvelously wild heart of central Idaho, and is a delightful blend of exciting rapids and fast-flowing intervals. Even though No Return Canyon is one of the deepest on the North American continent, there is a wonderful openness and gentle beauty to the grassy and tree-studded slopes. Besides the rapids, white sandy beaches, relatively warm water, and wildlife make this a fine trip for all ages. Minimum age, 8 (18 solo).

Canoe/Kayak Trips

(300-E) Main Eel River Naturalist, Northern California—May 28-June 4. Instructor, Dick Brown. Leader, Judy Hacker, 303 Johnstone Dr., San Rafael, CA 94941.

Swimming in cool waters, hiking hillsides and streams, and exploring the local natural history all combine with daily paddling to provide a variety of activity for leisurely canoeing from Alderpoint to South Fork, as we study varied plant communities with the help of a naturalist. Canoes are provided.

(301) Buffalo National River Leisure, Arkansas—May 29-June 4. Leader, Jackie E. Kerr, P.O. Box 5002, Springfield, MO 65801.

This is a leisurely 70-mile canoe trip on the Buffalo National River. The clear, flowing water

of the Buffalo has large, clean gravel bars to offer a challenge to the paddler, excellent swimming, and a wilderness setting with unsurpassed scenery for photographers. Temperatures are mild with warm days and cool nights. Previous canoeing experience is required; canoes are provided. Minimum age 12.

(302) Southern Appalachian Whitewater Canoeing Base Camp, Georgia, North Carolina, South Carolina—June 4-11. Leader, Ken McAmis, 1688 Castle Way, Norcross, GA 30093.

We will make six runs on five different rivers, each increasing in difficulty and each with unique character. Participants must be in good physical condition and have a thorough knowledge of basic whitewater canoeing safety and skills. We will drive each day from our centrally located, primitive base camp to rivers of gradually increasing difficulty. There will be an optional layover day or outers-choice trip. Canoes not provided.

(303) Eleven Point River Leisure, Missouri—June 5-11. Leader, Jackie E. Kerr, P.O. Box 5002, Springfield, MO 65801.

The Eleven Point River is a clear, spring-fed, fast-flowing stream typical of the southern Missouri Ozarks area which, with the adjacent oak-hickory forest, is very attractive to wildlife. The leisurely pace should allow plenty of time for such activities as swimming, birding, caving and photography. Weather should be mild, food excellent and companionship good. Canoeing experience is required; canoes are provided; minimum age 12.

(304) Niobrara River, Nebraska—June 12-18. Leader, Faye Sitzman, 903 Mercer Blvd., Omaha, NE 68131.

The Niobrara—Indian for "swift water"—cuts through the canyons and sandhills of northern Nebraska. This wilderness valley is threatened with a dam, which would spoil the best canoeing in Nebraska. Our leisurely trip, suitable for families, will offer short hikes into side canyons to springs and waterfalls up to 70 feet high. Two short portages. Canoes and kayaks not provided, rentals available. Basic skills required.

(305) New River, North Carolina-Virginia—June 12-18. Leader, David Holl, 3921A Valley Ct., Winston-Salem, NC 27106.

Paddle one of the last unpolluted free-flowing rivers in the eastern United States. Trip will travel the section recently included in the Wild and Scenic River System. This area of the New River Valley is rich in archeology and was a major crossing point of the Appalachian Mountains for the early settlers. We will meet local people and talk with those responsible for the scenic-river status. Good for novice paddler, with one Class-III rapid at trip's end. Canoe rentals available.

(306-E) Killarney Park Natural History, Ontario, Canada—June 18-25. Instructor, Gus Yaki. Leader, Rose McCullough, 253 Bryant, Buffalo, NY 14222.

The Killarney Provincial Park on Georgian Bay southwest of Sudbury, Ontario, an ideal setting for studying birds and plants, has the

only white quartzite mountains in North America, the La Cloche range. Naturalist Gus Yaki will conduct study trips from base camps near the park's inland lakes. We will use canoes for lake travel. There are moderate portages between lakes. Canoes are provided.

(307) Main Eel River Teen-Plus, Northern California—June 19-25. Leader, Doug Christensen, 520 Woodland Rd., Kentfield, CA 94904.

The waters of the Eel flow through canyon, valley, and gorge as they wend their way north to the sea. We will have ample time to improve



Sierra Club Photo

and develop canoe skills, enjoy the great swimming holes along the way, hike a side canyon or two, explore the historic sites in the area, and extend our knowledge of the wildlife community. The trip is basically easy with a few problem spots to keep us on our toes. Minimum age 16. Canoes are provided.

(308) Canadian San Juan Islands, British Columbia, Canada—June 19-25. Leader, Chuck Fisk, P.O. Box 67, Blairsden, CA 96103.

A seafood gourmet's delight of clam and oyster dishes awaits paddlers in this chain of islands sheltered southeast of Nanaimo on Vancouver Island. Island scenery will inspire the photographer. Ample layover time is allowed for hiking and exploring. Longest day's paddle is about 14 miles; longest open water is 4 to 5 miles. Canoes can be rented. Some canoeing experience required. Minimum age is a mature 12 years.

(309) Scenic Rivers, Wisconsin-Minnesota—June 19-25. Leader, Tom Carroll, 9309 Northwood Pkwy., New Hope, MN 55427.

Our trip will wind for 95 miles down the Namekagon and St. Croix rivers. The trip is not strenuous and is suitable for family groups. The rapids encountered are not difficult and there are no portages. Basic swimming skills are necessary and previous river-canoeing experience will

be helpful. Camping will be at wooded primitive sites along the shore or on islands. Minimum age 15. Canoes will be furnished.

(310) Dumoine River, Quebec, Canada—June 25-July 2. Leader, Alma Norman, Apt. 3, 309 Stewart Ave., Ottawa, Ontario, K1N 6K5, Canada.

Starting at L'Original River in Quebec, we will cover about 90 miles of mostly river paddling in a secluded wilderness. While this is mainly a whitewater trip, with rapids ranging from Class I to Class III, there are many stretches of easy paddling. The trip is both strenuous and challenging, but within the competence of moderately experienced paddlers in good condition. Before starting, we will spend some time on instruction. Trip fee includes transportation from the roadhead at Ottawa. Minimum age is 18, and canoe rentals are available.

(311) Quetico-Superior Leisure, Minnesota-Ontario, Canada—June 26-July 9. Leader, Stu Duncanson, 1754 Ryan Ave. W., Roseville, MN 55113.

Listen to the loons, angle for trout, walleye, or bass, search for meaning in the Indian rock paintings, study the geology of the Canadian shield, and read and relax on the layover days. On moving days we will paddle and portage 10 or 12 miles over routes of the Ojibwa and the Voyageurs. The trip will begin in the Boundary Waters Canoe Area and move into Quetico Provincial Park. Basic canoeing skills are required. Minimum age 15, 14 with a parent. Canoes provided.

(312) Orleans to the Ocean, Klamath River, California—July 3-10. Leader, Ann Dwyer, P.O. Box 61, Kentfield, CA 94904.

We will paddle 65 miles through forested canyons, past Indian fishing grounds and maneuver occasional rapids as we go from Orleans (and sunshine) to Requa (and coastal fogs) at the mouth of the Klamath River. The many fish in the river are food for bear, otter, osprey and the lucky fisherman. Some river canoeing experience is required. Minimum age 12. Canoes provided.

(313) Upper Klamath Kayak, Klamath National Forest, California—July 24-30. Leader, Reg Lake, 134 Monterey, Brisbane, CA 94005.

Paddle your own inflatable or hardshell kayak with raft support on 83 exciting miles of river in Northern California. Averaging 12 miles a day we will run many rapids, enjoy wilderness-like country and camp beside the river. Warm weather is the rule and good swimming ability is required.

(314) Rogue River Adult Trip, Oregon—August 10-17. Leaders, Bill and Molly Bricca, P.O. Box 159, Ross, CA 94957.

From Gold Beach on the Oregon Coast, we jet-boat upstream 35 miles to Agness. After two days of sharpening river skills and one-day runs on the Illinois River and the stretch from Illehe to Agness (Rogue River), we run down Copper Canyon to Gold Beach. The river and terrain are outstanding. There will be time for nature hikes, fishing, etc. River experience not required. Canoe familiarity recommended. Canoes provided. Minimum age 20.

(315) Klamath River, Northern California—August 13-19. Leader, Mary Miles, 18 Farm Rd., Los Altos, CA 94022.

Klamath, near the ocean, is where we will board the jet-boat (canoes and all) for a guided tour upriver about 32 miles to our first campsite. After two days of learning and reviewing canoeing skills we will start our slow journey back down the river. En route we will see Indians catching fish in nets, bear prints (maybe even the bear!), canoe cedars (used by the Indians for making canoes) and hear the cry of the far-off mountain lion. Swimming, fishing and hiking will be daily activities. The weather should be warm and sunny upriver but a bit cooler as we near the ocean fogs. Minimum age 14 (18 solo). Canoes provided.

(319) Kipawa Reserve Park, Quebec, Canada—August 22-September 1. Leader, Stephen Lessels, 2117 Park Ave., Richmond, VA 23220.

Beginning at Kipawa, our trip will penetrate the remote western Quebec wilderness traversed in the early days by explorers, missionaries, and *coureurs des bois*. The Cerise River and Lake Ostabonigue will be two of the major bodies of water encountered in our 70 to 80 miles. This moderate trip with three layover days will allow time for exploring, photography, fishing and birdwatching. Canoeing and camping experience required. Minimum age 16. Canoes not provided; rentals available.

(320) Rio Grande Canyons, Texas—October 9-15. Leader, John Baker, 115 E. Woodin Blvd., Dallas, TX 75216.

We will run through the magnificent desert canyons of the Rio Grande between Texas and Mexico. The river here has a strong flow with many safe but exciting rapids. We will stop early in the afternoon to allow time for climbing, hiking and exploring Indian sites. Participants must provide their own canoes or kayaks. This trip is limited to properly equipped and capable paddlers in good physical condition and with good canoeing skills.

(321) Boquillas Canyon, Texas—November 20-26. Leader, Steve Hanson, Rt. 7, Box 529A, Austin, TX 78734.

Boquillas is a wild, spectacular canyon with high, jagged cliffs, fascinating side canyons with deep, narrow slots and quiet glens, and large, grass-covered vegas, ideal for camping. Novices and families with children over five can easily make this six-day trip, which emphasizes slowly canoeing the main canyon and hiking the side canyons on both sides of the border. Canoes are not provided; rentals are available.

(322) Everglades Park, Florida—December 4-10. Leader, Lincoln E. Roberts, 2152 Cross Creek Way, Dunedin, FL 33528.

We begin our moderate-strenuous trip driving to a pine-hammock ridge and slogging to a tree-island glade while using a park campground as a base camp. An overnight backpack through coastal prairie, and a canoe trip through mangrove to white sand beaches, complete our tour of the ecological zones of this unique semi-tropical swamp. We may see alligator and raccoon, poison tree and orchid, egret and eagle.



Dick Schmidt

Boat Trips

(414) Whale-Watching Leisure Boat Trip, West Coast of Baja, Mexico—January 15-21. Leader, Monroe Agee, 13750 Rivulet Rd., San Jose, CA 95124.

Six days round-trip San Diego to San Ignacio Lagoon, birthplace of the whales. We stop at islands uninhabited except for occasional groups of Mexican fishermen. We see elephant seals during their breeding season, harbor seals and California sea lions. We observe nesting birds, descend a lava tube and climb a volcanic crater. This trip is dedicated to saving the whales.

(412) River of Ruins by Raft, Guatemala and Mexico—March 17-April 1. Leader, Frank Hoover, 900 Veteran Ave., Los Angeles, CA 90024.

Rafting down the River of Ruins (Rio Usamacinta), visiting Maya ruins of Yaxchilan and Piedras Negras, exploring tropical jungles and having fun in the back country of Guatemala and Mexico make this an irresistible trip. The 1976 trip was highly successful. Camping in this tropical jungle is not hard, the weather is warm and the trip not particularly strenuous. Members will help with rowing, organizing activities and transportation and (hopefully) learning much about running river trips.

(416) Sea of Cortez Leisure Boat Trip, Mexico—March 26-April 2. Leader, Elmer Johnson, 622 Locust Rd., Sausalito, CA 94965.

(417) Sea of Cortez—April 2-9. Leader, Herbert Graybeal, 29 Country Club Dr., Suisun, CA 94585.

(418) Sea of Cortez—April 9-16. c/o Monroe Agee, 13750 Rivulet Rd., San Jose, CA 95124.

(413) Sea of Cortez—November 19-26. Leader, Monroe Agee, 13750 Rivulet Rd., San Jose, CA 95124.

These cruises are adventures in sea life, designed to meet the requirements of both the physically active and the more sedentary. The four trips go between La Paz and San Felipe. These are coastal trips along the east coast of Baja California. We will visit exotic islands and observe the abundant sea life of whales, dolphins, sea lions, frigate birds, boobies and pelicans as they go about their undisturbed way.

(415) Baja and the Sea of Cortez, Mexico—June 11-20. Leader, Ellis or Margaret Rother, 903 Sunset Dr., San Carlos, CA 94070.

This trip features serene islands and remote campsites on secluded beaches. Swim and snorkel or skin-dive in the warm crystal clear waters; discover unmatched displays of desert flowers; climb the ancient landscape and fish the abundant sea; birdwatch numerous species.

(419) Puerto Vallarta, Mexico—November 7-19. Leaders, Ellis and Margaret Rother, 903 Sunset Dr., San Carlos, CA 94070.

Sightsee in Puerto Vallarta for a day. The next day we embark in panga boats for the unsurpassed Bay of Banderas and 100 miles along the coast of the rugged Pacific Ocean. Fish, snorkel, and swim; camp on warm, sandy beaches; hike through bordering tropical jungles; meet fascinating people and learn of their lives and age-old customs.

Service Trips



Met Williamson

Do you like garbage? Well, if you don't like garbage—do you like the mountains? If you dislike garbage and love the hills, does the idea of ten days in the backcountry picking up garbage or fixing a trail appeal to you? Have you ever spent an entire afternoon in a log rolling contest because the water was too cold to swim in? Or sacked one whole ton of rusty cans in one day just to prove you could do it? Have you ever climbed two peaks, learned to key out shooting stars and columbine, and seen two wolverines . . . all in a ten-hour day-hike? If these things sound like a fun time to you, then come join a service trip this summer.

For the past 19 years, the Sierra Club has been sending groups of high school and college age volunteers into wilderness areas, either to spend a week picking up cans or working alongside trail engineers building trails. This year the Club is sponsoring

almost two dozen work projects of three types: cleanup, trail maintenance, and special projects. Differing in many respects, they all have two things in common—low prices and a work/play schedule. Unlike other Sierra Club outings, where fees are set to make them self-sustaining, work projects are subsidized by the Outing Committee, the Sierra Club Foundation, and in some cases outside sponsors. Most trips cost \$50, duration ranges from 8 to 12 days, and minimum age is usually 16.

On a typical trip the participants meet the leader and other trip members at a remote mountain roadhead. You will hike in 5 or 10 miles to set up camp, and then start a plan of alternate work and free days. On off-days members hike, explore, read, or just sit around talking, swimming, and enjoying being away from it all. The work can be fairly rigorous sometimes, although anyone in good hiking condition can par-

ticipate. The accent is on an easy mountain life, and everyone has a chance to share communal chores and cooking. Note that many of the cleanup and special projects offer a backpacking theme where you carry all you need into the backcountry. Base camp trips may be less strenuous.

Cleanup trips are jaunts into the hills to collect litter and debris left by less considerate campers. Wilderness is such a fragile resource that it can easily be loved to death. Our idea is to restore the backcountry to its pristine condition. Trash that will not burn is sacked up so the rangers can pack it out. You may also help dismantle unsightly hunter camps or remove an old airplane wreck. Trail maintenance trips reroute paths around impact-prone meadows and areas where heavy use has caused unacceptable abuse. Or, you may rework a drainage system to keep the trail from washing away.

Special Projects

(240) Talchako Lodge Work Project, Coast Range, British Columbia, Canada—June 7-19. Leader, Alan Schmierer, 231 Erica Way, Portola Valley, CA 94025.

We shall spend time refurbishing our Sierra Club Lodge and possibly raise a new cabin and dig a well. We'll also make a 5- to 6-day backpack jaunt in the stupendous glacier country looming 9,000 feet above the magnificent Bella Coola Valley. All aspects of this project are strenuous, and backpacking experience is required. Plan on a day-and-a-half drive from Vancouver.

(241) Gilbert Lake Meadow Restoration, Inyo Forest, Sierra—July 10-18. Leader, Mark Johnson, Box 2360, 25 W. Olsen Rd., Thousand Oaks, CA 91360.

Since a trail reroute is impractical, we'll construct a small causeway in order to keep trails from further eroding the delicate meadows at Gilbert Lake (10,400 feet). From our base camp, enjoy a tranquil alpine meadow and fox-tail pine setting in this classic region of the Sierra Nevada.

Cleanup Projects

(242) Siberian Outpost Trail Replantation, Sequoia/Kings Canyon National Park, Sierra—July 13-23. Leader, Kevin Ahern, 1863 30th Ave., San Francisco, CA 94122.

Work focuses on the reseeding of a seldom-used trail near Siberian Outpost, as well as installation of check dams. The aim is to eradicate all traces of the old path. At 10,500 feet, our base camp is within hiking distance of Miter Basin, Funston Lake, and Mount Guyot.

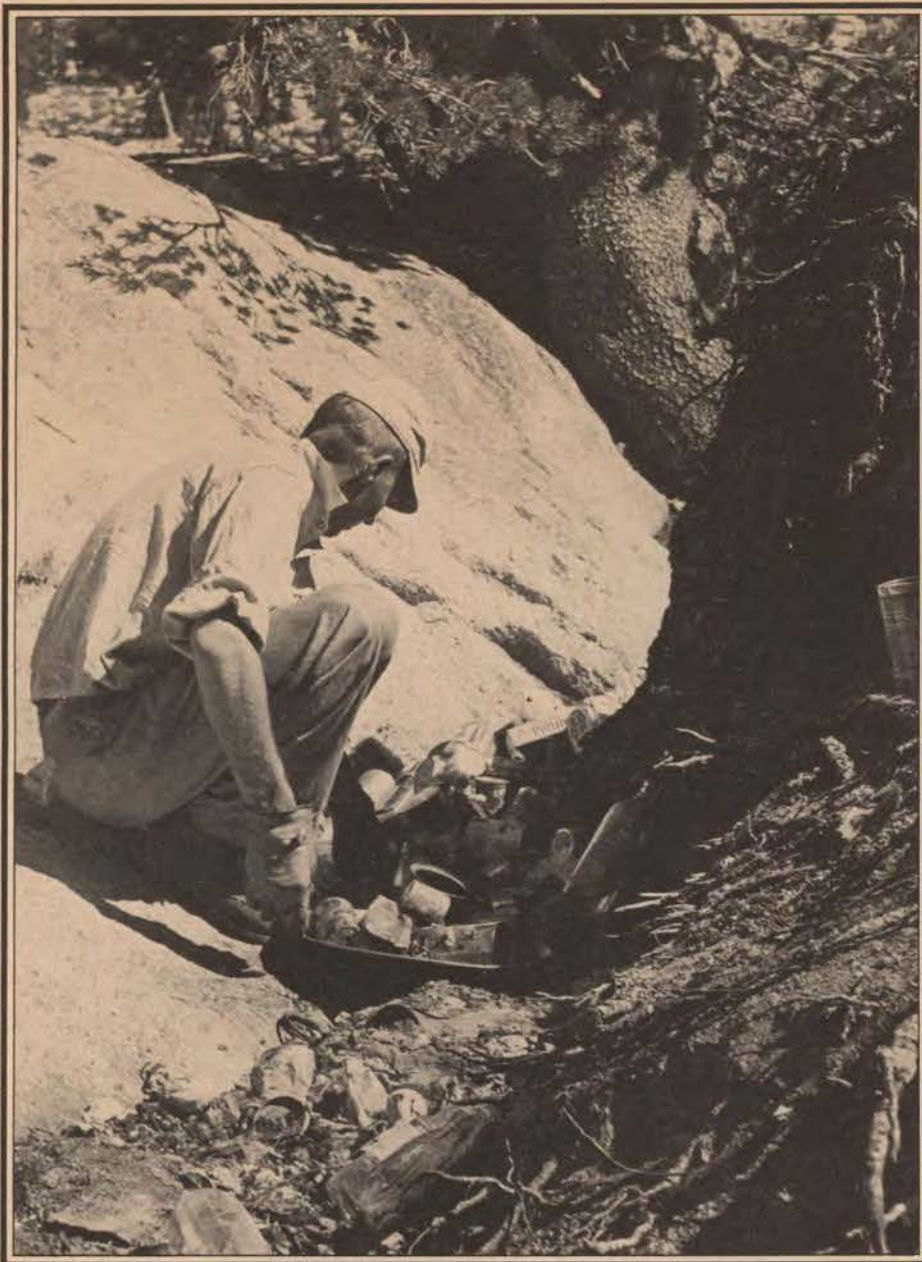
(243) Fish Creek Park Meadow Restoration, Wind River Range, Wyoming—July 16-28. Leader, Steve Silverman, 4122 E. Poe St., Tucson, AZ 85716.

Our goal will be to stop the deep erosion of trail ruts in this very pretty meadow area. Splendid tarns and the dramatic spires of the Cirque of the Towers will accentuate a memorable trip. We'll be above 10,000 feet at all times; backpacking experience is required.

(244) Parker Lake Airplane Wreck Backpack, Minarets Wilderness, Sierra—June 28-July 8. Leader, Kelly Runyon, 2715 Hille-gass, Berkeley, CA 94705.

We are continuing with the huge task of removing a C-47 cargo plane which crashed high above the lake in 1945; it is a 1,000-foot climb from our base camp to the crash site. The second half of the trip will be devoted to backpacking in the jagged Ritter-Banner area of the Wilderness.

(245) Chicken Spring Lake Airplane Wreck Backpack, Mt. Whitney District, Sierra—June 30-July 8. Leader, Tod Rubin, 624 Haggert Hall, University of Washington, Seattle, WA 98195.



Sierra Club Photo

Special projects are often an outgrowth of unusual requests, and offer the hardy, experienced adventurer an excellent chance to work more closely with the Forest or Park Services. The work may be harder, but the rewards will be great. The publicity of these efforts—donating vacation time to maintain the wilderness in a more natural state—calls attention to the problems of conservation, and will hopefully alert more people to the need for mountain manners.

Trip size will generally vary from 15 to 25, including the staff and a volunteer physician. All personal gear (limited to 20-25 pounds) is packed in by the trip participant. Final acceptance of all trip members will be determined by the individual trip leader. If you are not sure you can handle the amount of hiking or work that will be required, do not hesitate to write the trip leader or Outing Department for a trip sup-

plement with additional information from which to decide.

So, why not enjoy a trip this summer that will provide a great time in the mountains while allowing you to contribute something tangible to the wilderness? You will long treasure the camaraderie and sense of accomplishment and pride. You can anticipate a bit of rough work, vivid scenery, strong comradeship . . . and newfound meaning to that memorable Guthrie tune: "Kid, what'd ya get? I didn't get nothin', I had to pay \$50 and pick up the garbage."

DOCTORS . . . Service Trips await you! There are still a few openings on our 1977 trips. For information regarding a totally unique vacation experience, contact Robert Korn, M.D., 28 Carr St., Watsonville, CA 95076.

Rusty-gold and hikeable, Cirque Peak (12,900 ft.) overlooks us as we pack up a C-45 motor and wreckage for subsequent removal by the USFS. Then we may move west to collect litter in Big Whitney Meadow. Swimsuits and fishing gear are highly recommended.

(246) Galena Peak Wilderness Restoration, Pike-San Isabel Forest, Colorado—June 30-July 10. Leader, John Stansfield, 215 E. Espanola, Colorado Springs, CO 80907.

This project has a variety of objectives, including jeep-trail closure and cleanup and restoration of fragile terrain surrounding three timberline lakes in the Mt. Holy Cross Wilderness Study Area. On off-days, 14,000-foot peaks and lots of high alpine tundra beckon. Previous experience at high altitudes desirable.

(247) Gable Creek, John Muir Wilderness, Sierra—July 13-21. Leader, Randall Pullen, 139 Miramonte Dr., Fullerton, CA 92635.

Garbage at the placid Gable Lakes and removal of old junk and antiques from the Lakeview tungsten mining claim on Gable Creek will be our objective. There will be ample time to relax at our low base camp, hike the impressive dark red and black, jagged Pine Creek canyons, or even snowfight.

(248) Cottonwood-to-Mulkey Pass Backpack, Inyo Forest, Sierra—August 28-September 7. Leader, Margi Rasmore, Box 647347, UCSC, Santa Cruz, CA 95064.

The high Sierra has lofty mountain lakes, rocky alpine meadows, sparkling granite cascades, and lots of garbage spread so thinly that only a knapsacker can clean it effectively. We plan to follow a 35-mile loop on this rugged trip.



Sierra Club Photo

Trail Maintenance

(249) Renshaw Lake, Sun River District, Montana—July 2-13. Leader, Melissa Brown, 441 Nishikitakoji-cho, Higashi-iru, Omiyadori, Tera-no-uchi Sagaru, Kamigyō-ku, Kyoto 602, JAPAN.

Help us complete a major trail reroute to avoid continued impact on wet, fragile glades along the old Renshaw Lake trail. Near our base camp is Sheep Shed Mountain (7,629 feet) which offers continual sightings of bighorn sheep. A real feeling of that Montana Big Sky is ever-present.

(250) Deep Creek, Teton Ranger District, Montana—July 15-25. Leader, Melissa Brown, 441 Nishikitakoji-cho, Higashi-iru, Omiyadori, Tera-no-uchi Sagaru, Kamigyō-ku, Kyoto 602, JAPAN.

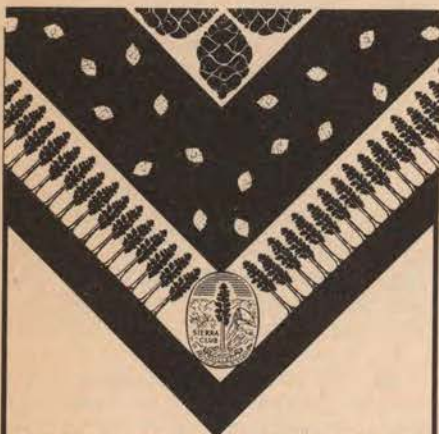
In 1964 and 1975 severe floods ravaged this district, and in some remote drainages actual trail building is needed. This trip completes a switchback project high in the Continental Divide backcountry of Deep Creek. Stunning scenery and solitude are assured.

(251) Steelhead Lake, John Muir Wilderness, Sierra—July 23-August 2. Leader, Tod Rubin, 624 Hagget Hall, University of Washington, Seattle, WA 98195.

(252) Steelhead Lake, John Muir Wilderness, Sierra—August 6-16. Leader, Mark Johnson, Box 2460, 25 W. Olsen Rd., Thousand Oaks, CA 91360.

Hike seven miles and 2,000 feet up beautiful McGee Creek on Sierra Nevada's east side, where we'll base camp and replace one mile of flooded-out trail. There will be great off-day hiking to top secret 24-inch-trout lakes; 13,000-foot Four Gables looms nearby. We will shift our camps in order to minimize our impact.

(252) Pacific Crest Trail, Tahoe Forest, Sierra—July 26-August 5. Leader, Nick Fowler, 101 East Ave., Walden, NY 12586.



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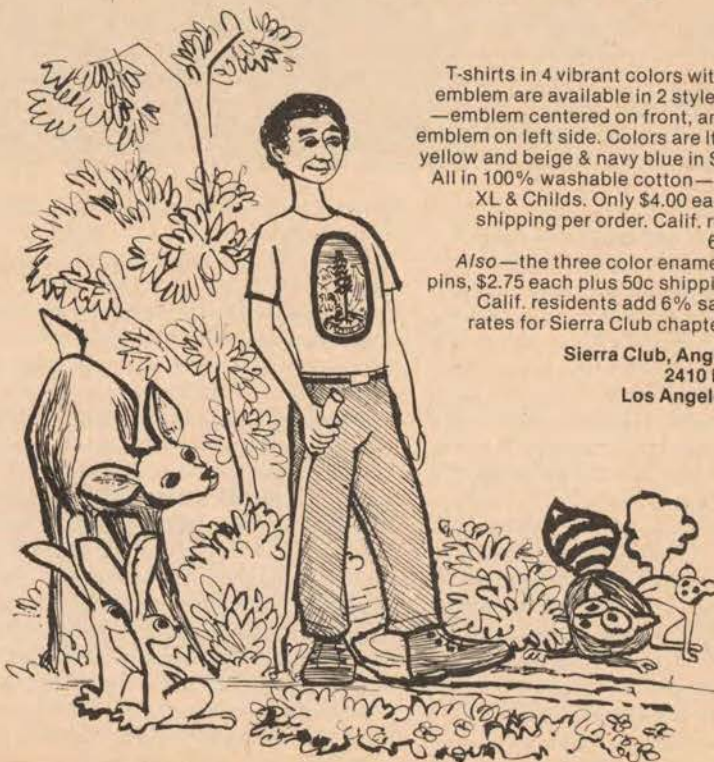
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(262) Pacific Crest Trail, Tahoe Forest, Sierra—August 11-21. Leader, Nick Fowler, address above.

Although less acclimatization is required, this area has scenic rewards for the energetic. These trips afford the opportunity to work on and explore some of the lesser-known reaches of this ambitious trail. There will be plenty of time to work, play, and enjoy life around our base camp in this northernmost part of the Sierra Nevada.

(253) Trinity Alps, Shasta/Trinity Forest, Northern California—July 27-August 6. Leader, Don Coppock, Box 200, Reed College, Portland, OR 97202.

(261) Trinity Alps, Shasta/Trinity Forest, Northern California—August 8-18. Leader, Don Coppock, address above.

Nestled in northern California, this small range remains one of the most unspoiled and remote parts of the West. Although winter snows delay the final selection of the work project, we can promise you glacier-sculpted peaks, frozen lakes, and more solitude and wildlife than is likely in the more heavily used Sierra.

(254) Devore Creek Backpack, Glacier Peak Wilderness, Washington—July 29-August 8. Leader, Chris Crane, MU Box 7, Bowdoin College, Brunswick, ME 04011.

After crossing beautiful Lake Chelan on USFS boats, we hike a 25-mile loop working on trail erosion and dangerous snags and downfall. This gorgeous area astride the crest of the Cascade range is famous for its living glaciers and alpine tundra.

(255) Teton Wilderness, Bridger/Teton Forest, Wyoming—July 30-August 9. Leader, Bill Bankston, 524 N. 16th St., Springfield, OR 97477.



Sierra Club Photo

Last year's very popular project here prompts us to schedule a return trip. Exact details will be settled after the spring thaw, but work will be likely to consist of trail clearing and repairing USFS game enclosures. You can anticipate snow-bedecked peaks and vast meadows.

(263) Two Mouth Lake, Selkirk Range, Idaho—August 12-22. Leader, Bill Bankston, 524 N. 16th St., Springfield, OR 97477.

Help close an old logging road and reroute a trail to unique Two Mouth Lake (7,800 feet). Just 20 miles south of Canada, you can anticipate snowy lakes and fine fishing, and possibly a chance to see the only caribou herd in the continental states.

(264) West Fork Agnes Creek, Glacier Peak Wilderness, Washington—August 12-22. Leader, Chris Crane, MU Box 7, Bowdoin College, Brunswick, ME 04011.

Dana, Chickamin, LeConte and Blue glaciers, and several icy lakes surround our low base camp, from which we hike and work sections of trail. This spectacular country will be best appreciated on free-day cross-country jaunts. This is our first year in Glacier Peak; trip includes USFS boat trip on Lake Chelan.

(265) Shenandoah National Park, Virginia—August 14-23. Leader, Ann Fraser, Box 113, University of Scranton, Scranton, PA 18510.

We will be doing both cleanup and trail maintenance work amid the beautiful scenery of the Blue Ridge Mountains. Plenty of time for hiking and enjoying the numerous waterfalls and the diversity of plant and animal life, while providing much-needed maintenance work to a popular and beautiful area.

(266) Hurricane Creek/Seven Lakes Basin, Eagle Cap Wilderness, Oregon—August 24-September 3. Leader, Don Coppock, Box 200, Reed College, Portland, OR 97202.

Remote lakes (7,000 feet) and lush meadows comprise a fragile landscape, and our goal will be to reroute trails to more hardy terrain. Rugged granite and limestone peaks soar to over 9,000 feet and provide secluded homes for mountain goats and large rainbow trout. This is a first-ever trip.

FOR MORE DETAILS ON OUTINGS

Knapsack and Educational outings are described in special brochures available from the Outing Department. For detailed information on these trips and all other outings, write the Outing Department for the specific supplement of that outing. Trips vary in size, cost, and in the physical stamina and experience required. New members may have difficulty judging from these brief write-ups which one is best suited to their own abilities or interests. Don't be lured onto the wrong trip! Ask for the trip supplement before you make your reservation, saving yourself the cost and inconvenience of changing or cancelling a reservation. Beyond the first five supplements requested, volume requires that we must charge 50 cents each. Write or phone the trip leader if any further questions remain.

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Spring Trips

To meet the increasing demand for off-season wilderness trips and to spread the outing program over a wider geographical area and time span, the Club continues to seek out new trip locations for the months when the high-mountain hiking trails are deep in snow.

Spring trips focus on the Southwest desert wilderness in its blossoming early-spring prime, on the mild spring climate of the Southeast, the exotic tropics of Hawaii, the desert ecology of Baja California, the coast of Mexico and three mountain ski-touring trips.

For detailed descriptions of these trips, see the 1977 Spring Outings section of the November/December 1976 issue of the *Bulletin* and write to the outing office for that specific Trip Supplement of the outing you are interested in.

(258) Ski Touring Clinic, Steamboat Springs, Colorado—January 9-14. Leader, Sven Wiik, Box 5040, Steamboat Village, CO 80499.

(47) Adirondack Ski Touring—January 16-22. Leader, Walter Blank, Omi Rd., W. Ghent, NY 12075.

(46) Cinnamon Bay, St. John, U.S. Virgin Islands—January 22-30. Leader, Fred Sawyer, 567 High Rock St., Needham, MA 02192.

(48) Cross Country Ski, Rocky Mountain National Park, Colorado—January 30-February 5. Leader, Kurt Newton, 534 S. Franklin, Denver, CO 80209.

(22) Talchako Snowshoe Base Camp, Tweedsmuir Park, British Columbia—February 7-17. Leader, Gary Miltenberger, General Delivery, Hagensborg, British Columbia.

(23-E) Natural History of Sierra de la Victoria and Cerralvo Island, Baja California, Mexico—February 7-18. Instructor, Pierre C. Fischer. Leader, John Ricker, 2950 N. 7th St., Phoenix, AZ 85014.

(49) Cross Country Ski, Rocky Mountain National Park, Colorado—February 27-March 5. Leader, Lee Baker, 1122 Pearl, #102, Denver, CO 80203.

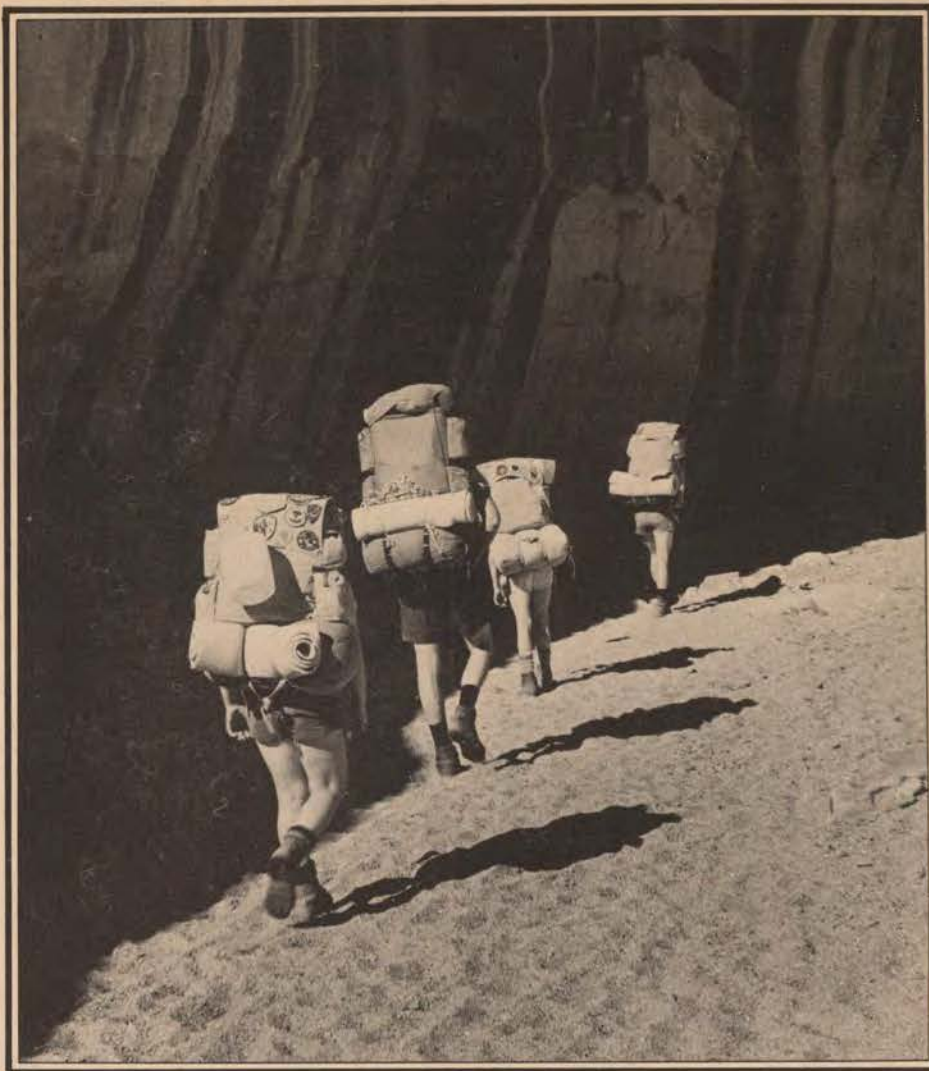
(259) Superior-Quetico Ski and Snowshoe, Minnesota-Canada—February 27-March 5. Leader, John Wheeler, 2690 Huron, Roseville, MN 55113.

(34) Hells Canyon Service Trip, Oregon-Idaho—March 26-April 2. Leader, Judy Kingsley, 1290 Apple Lane, Davis, CA 95616.

(24) Easter Week on Molokai, Hawaii—April 1-9. Leader, Gordon Peterson, 1776 Vining Dr., San Leandro, CA 94579.

(25) Mazatzal Wilderness, Mazatzal Mountains, Arizona—April 2-9. Leader, Les Albee, 130 S. Rocky Dells Dr., Prescott, AZ 86301.

(26-E) Natural History of the Anza-Borrego Desert, California—April 3-9. Instructor, Will Neely. Leader, Serge Puchert, 37 Southridge Ct., San Mateo, CA 94402.



Carol L. Drieger

Spring Knapsack Trips

(27) Gila/Salt River Boat Trip—April 3-9. Leader, John Ricker, 2950 N. 7th St., Phoenix, AZ 85014.

(28) Okefenokee Canoe Trip, Georgia—April 3-9. Leader, Lincoln E. Roberts, 2152 Cross Creek Way, Dunedin, FL 33528.

(29) Panamint Mountains, Death Valley, California Burro Trek—April 3-10. Leader, Jack McClure, 75 Castlewood Dr., Pleasanton, CA 94566.

(30) Panamint Mountains, Death Valley, California Burro Trek—April 10-17. Leader, Joe Holmes, 11 Cresta Blanca, Orinda, CA 94563.

(31) Dismal Swamp, Virginia and North Carolina—April 10-16. Leader, Mike Maule, 228 Pine St., Philadelphia, PA 19106.

(35) Grand Canyon, Arizona—March 27-April 2. Leader, Edith Reeves, 1739 East San Miguel Ave., Phoenix, AZ 85016. Trip rating: L.

(36) Desert Spring Leisure/Photography, Superstition Wilderness, Arizona—March 27-April 2. Leader, John Peck, 4145 E. 4th St., Tucson, AZ 85711. Trip rating: L.

(37) Grand Canyon, Arizona—April 3-9. Leader, Tom Pillsbury, 1735 10th St., Berkeley, CA 94710. Trip rating: S.

(38) Grand Canyon, Arizona—April 10-16. Leader, Bill Wahl, 325 Oro Valley Dr., Tucson, AZ 85704. Trip rating: S.

(39) Marble Canyon, Grand Canyon National Park, Arizona—April 10-16. Leader, Jim DeVeney, 5307 E. Hawthorne, Tucson, AZ 85711. Trip rating: S.

(40) Kanab Canyon to Thunder River, Grand Canyon, Arizona—May 1-9. Leader, Chuck Kroger, Environmental Research Lab., International Airport, Tucson, AZ 85706. Trip rating: S.

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