

Sierra Club Bulletin



1975 OUTING ISSUE



KENT GILL
Sierra Club President

Down from the Mountains . . .

THE SIERRA CLUB WAS BORN OF THE MOUNTAINS, its genesis in John Muir's great love for the peaks and valleys of the Sierra Nevada and his intense desire to protect them. It was nurtured in the early base camps in the high country and by pioneers of the mountaineering fraternity. It grew in the struggles over Hetch Hetchy and Sequoia. And it came to maturity in the great campaigns for the Grand Canyon and Glacier Peak.

The modern club has taken a path down out of the mountains. The times have demanded its descent. The membership has become increasingly non-hiker, non-western, more urban. The club's interests have broadened markedly to encompass the whole of man's relationships with the environment—the land, the air, and the water. Its activities have increasingly included monitoring public agencies and corporate bodies, influencing legislation, utilizing legal redress, and affecting public opinion. The Sierra Club has increasingly taken on the character of a social movement, seeking to affect human behavior relative to population, pollution, and protection of land. It has reiterated its historic mission of stewardship of the land, now on an international scale. It has become a significant national force as it has questioned the conventional wisdom that bigger and more are always better, that the earth is a commodity to be consumed.

A few in the Sierra Club have seen its outing program as an anachronism in 1975, diverting energy needed for conservation campaigns and encouraging more people to go where fewer are desirable. But for other Sierrans the outings, both national and local, are a personal passport to significant, treasured outdoor experience, to adventure and personal fulfillment.

For most club members, who only occasionally participate directly, the outings are intuitively viewed as worthwhile. That intuition is on target. The trips to rivers and canyons, to summits and meadows, to forests and deserts are important far beyond the numbers served, the miles covered, or the dollars collected. The outings are still significant and basic to the Sierra Club program.

Outings provide a direct link to the club's past, demonstrating a continuity of purpose. Only the last phrase in the early bylaw statement, "to explore, enjoy, protect, and render accessible," has become obsolete. Each of the others lives on in the modern Sierra Club, most evident in the outings. The energies of the volunteer, fundamental to our success, have long been exemplified in the operation of outings.

The outdoor trip, whether run by a group to a nearby brook or by the national Outing Committee to the far-off Ruwenzoris, is for its participants a spiritual experience which recreates, recharges, rejuvenates. With Muir, "going to the mountains is going home." The great natural places do indeed serve as fountains of life for sensitive humans. For each tripper, the journey provides an individual mystical experience with nature; for the Sierra Club, wilderness is our necessity. Our strength derives from our essential, continuing contact with the earth, as individuals but also as an organization.

The development of a conservation cadre was an original purpose of the outings program. If one knew a place well and loved it, the reasoning went, he would be its advocate and defender—and a spokesman for the integrity of all lands. That principle was important in defending Yosemite eighty-three years ago, and it functions still at Congaree, Havasu Canyon, the Boundary Waters, and Mineral King.

Outings provide a perspective against which environmental values can be measured. It is only with the perspective of an Emerald Bay that the development of the Lake Tahoe basin looks so bad. The copper mining scars at Holden remind us of what could yet happen to Miner's Ridge in the North Cascades. We can testify to the value of clear air because we have breathed it on the mountain top; we know clean water because we have sipped from the mossy lip of a spring; we value the forest as an ecological whole when we too have felt at home there.

Sierra Club, in its own outings activity serves as a model for wilderness use. The club simply must set the example as the best, most gentle, most conservative of the wilderness visitors, drawing on nearly three-quarters of a century of experience to tread softly, leaving the land as it was. Given the current problems of human impact, overuse, declining wood supplies, and over-grazing of pack stock, we can test and demonstrate ways for leaving the wildlands untrammled. At the same time the Sierra Club has the opportunity to exemplify, to live a moral comprehension of the earth, finding, with Shakespeare's duke, "tongues in trees, books in running brooks, sermons in stones, and good in everything," moving through direct experience to a responsible land ethic.

So the Sierra Club has come down from the mountains. But returning to the trail periodically, sampling again the pure joy of wildness, getting close to the essence of the earth are necessary to its renewal and its continuation.

KENT GILL

Sierra Club Bulletin

JANUARY 1975 / VOLUME 60 / NUMBER 1

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Cover: On every Sierra Club trip, getting there is a large part of the pleasure, especially when the travel is interrupted at fitting intervals for rest, a snack and camaraderie, photographed by Anne Trimble.

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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."

The Sierra Club Bulletin, published monthly, with combined issues for July-August and November-December, is the official magazine of the Sierra Club, 1050 Mills Tower, San Francisco, California 94104. Annual dues are \$15 (first year \$20) of which \$3 is for subscription to the Bulletin. (Non-member subscriptions: one year \$5; three years \$12; single copies 50c.) Second class postage paid at San Francisco, California and additional mailing offices. Copyright © 1975 by the Sierra Club. No part of the contents of this magazine may be reproduced by any means without the written consent of Sierra Club Bulletin. Other Sierra Club offices: Alaska: 3304 Iowa, #5, Anchorage, Alaska 99503 / New York: 50 West 40th St., New York, N.Y. 10018 / International: 777 United Nations Plaza, New York, N.Y. 10017 / Legal Defense Fund: 311 California Street, San Francisco, California 94104 / Midwest: 444 West Main, Madison, Wisconsin 53703 / Northwest: 4534½ University Way NE, Seattle, Washington 98105 / Sierra Club Books: 1050 Mills Tower, San Francisco, California 94104 / Southern California: 2410 Beverly Boulevard, Los Angeles, California 90057 / Southwest: 2014 E. Broadway, Tucson, Arizona 85719 / Washington, D.C.: 324 C Street, SE, Washington, D.C. 20003 / Wyoming and Northern Great Plains: P.O. Box 721, Dubois, Wyoming 82513. Advertising representative: Robert Burger, 722 Montgomery Street, San Francisco, California 94111 (415) 434-2348.

FAMILY TRIPS

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.

Family trips provide an opportunity for families to learn to get along in the wilderness in the company of leader families qualified and willing to share their knowledge. 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 guaranteed 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. 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 a one-week Wilderness Threshold camp.

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

DOLPH AMSTER



Wilderness Threshold

The Wilderness Threshold Program is designed to educate entire families, with 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. In the West, pack stock is usually used to transport food, dunnage, and equipment from roadhead to camp, while in the East everything is often carried in by backpack. 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 teenagers) 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 the campfire. Those with musical interests are urged to bring their instruments and play. Instruments do not count in your dunnage weight.

Before you choose a trip, read each description carefully; there are camps for families with teen-agers (one in your family qualifies you for these) and others with varying age limits, some are more remote and harder to reach, and others require knapsacking to the campsite. If you have any questions regarding the difficulty or age format of the trip please contact the trip leaders before submitting your application.

Only parents and their own children can be accepted. Threshold trips are cooperative ventures; 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 those with a family rate.) Families will be screened and selected by the leader family, whose decision is final. While no special training or skills are necessary, general good health is required.

SHEILA SKJEIE



GEORGE BYRNE

(70) Gila Wilderness, Gila Forest, New Mexico—July 6-11. Leader, Marty and Bill Poston, 6551 North Camino Abbey, Tucson, AZ 85718.

Crisp, clean, cool mountain air; rushing streams; dense pine forests and verdant alpine meadows typify the environs selected for this family outing. Pack animals will carry the equipment 5 to 7 miles through spectacular unmolested forest to our base camp at the foot of White Water Baldy Mountain near the headwaters of the Gila River. Children up to 12 years are welcome, even infants who can ride on their parents.

(71) Adirondack Mountains, New York—July 19-25. Leaders, Ruth and Curran Flanagan, 56 Wallkill Ave., Middletown, NY 10940.

We will backpack to a beautiful mountain pond, set up a base camp and enjoy a variety of wilderness experiences: hiking, walking in the woods, swimming, fishing and exploring. All activities will be geared to allow the

whole family to participate. There will be a great deal to do depending on the final make-up and interests of the entire group. Open to beginner camping families with children up to 15.

(72) Nelson Lake, Yosemite, Sierra—July 23-30. Leaders, Linda and Ed Best, 146 Via Copla, Alamo, CA 94507.

(73) July 30-Aug. 6. Leaders, Kay and Ben Anderson, 1608 Grand, Piedmont, CA 94611.

Our six-and-a-half-mile hike starts at Tuolumne Meadows (8600 feet), crosses the scenic Elizabeth Lake Basin, then over the serrated Cathedral Range (10,160 feet) and drops down to Nelson Lake (9600 feet). This lovely area offers opportunities for fishing, nature walks and wildlife watching in meadow and wooded areas, and scrambling up rocky ridges and peaks. Both leader families have young children and both trips will be oriented to families with children 12 and younger.

(74) Chamberlain Lakes, White Cloud Mountains, Idaho—July 30-August 6. Leaders, Nadine and Norton Hastings, 100 Quarry Rd., Mill Valley, CA 94941.

BOB NOTZ



GEORGE BYRNE

(76) August 6-13. Leaders, Julianne and Robert Jones, 4410 Meadowbrook Dr., El Sobrante, CA 94803.

From our roadhead, 50 miles north of Sun Valley, we will hike 7 miles, climbing 2000 feet before dropping into the stunning Chamberlain Lakes basin. Our camp will be located at 9400 feet. In this unspoiled American wildland we may see elk, deer and mountain goats in their natural habitat and have good trout fishing in the 10 nearby lakes and streams. These trips are open to families with children of all ages.

(75) Margaret Lakes, John Muir Wilderness, Sierra—August 5-12. Leaders, Ann and Doug Christensen, 520 Woodland Rd., Kentfield, CA 94904.

(84) August 12-19, Teen-Age. Leaders, Ann and Jim Naylor, 1019 Lakehome Dr., Lodi, CA 95240.

Margaret Lakes lie just west of the Silver Divide, a spectacular ridge dominated by Silver and Sharktooth peaks. Our campsite, at 9300 feet in the five-lake basin drained by Silver Creek, will offer opportunities for many activities. Our hike from roadhead at Onion Springs Meadow is 8 miles through forested and open country; total elevation gain is 2400 feet. On the first trip children of all ages are welcome. The second trip is for families with at least one teen-ager.

(77) Three Sisters Wilderness, Oregon—August 6-13. Leaders, Nancy and Jim McDonald, 341 Avila, San Francisco, CA 94123.

(85) August 13-20. Leaders, Sue and Bob Munn, 2214 Anza Ave., Davis, CA 95616.

Our roadhead will be west of Bend, in the beautiful Cascades of central Oregon. The easy walk into our camp will be less than 6 miles with a 1400-foot elevation gain. Many lakes and meadows dot the surrounding area, overlooked by the spectacular peaks of the Three Sisters. Both family trips are geared for children 12 and under.

(78) Sabrina Basin, Inyo Forest, Sierra—August 9-16. Leaders, Bliss and Allen Ream, 14 Claremont Ct., Millbrae, CA 94030.

(87) August 20-30, Teen-Age. Leaders, Mimi and Don Curtin, 6395 Kimi Lane, La Mesa, CA 92041.

Roadhead will be at spectacular Sabrina Lake 20 miles west of Bishop, California, in the rugged eastern Sierra. The seven-mile hike begins with a moderately steep climb and ends at our camp at 10,800 feet. This

beautiful basin features many lakes and peaks. The first trip is for families with children of all ages. The second, geared for families with teen-agers and older children, will include a two-day overnight for those interested.

(79) Pioneer Basin Teen-Age, John Muir Wilderness, Sierra—August 10-17. Leaders, Joyce and Sid Alpert, 7701 Teesdale Ave., North Hollywood, CA 91605.

Five adventurous families, each with at least one teenager, will share one of the most spectacular areas in the Sierra with the leaders and their 16-year-old son. From our roadhead at Mosquito Flat (10,000 ft.) the eight-mile hike over historic Mono Pass (12,000 ft.) will bring us to our campsite in Pioneer Basin (10,500 ft.), in an old Indian camping area. Surroundings offer great opportunities for fishing, mountain climbing, studies of alpine flora and the geology of this spectacular country.

(86) North Silver Divide Country, Sierra Forest, Sierra, August 20-30. Leaders, Natalie and Dick Dickens, 1052 Vernier Place, Stanford, CA 94305.

Beginning at Lake Thomas Edison we will take two days to arrive at our camp at 9800 feet. Participants will

carry their sleeping bags and personal gear needed for the one-night stay on the trail. Each adult will also carry 5 lbs. commissary supplies; pack animals will transport the remaining dunnage. First-day hike, 7 miles, 1700 feet elevation gain; second day, 5 miles, 1300 feet gain. There will be an additional overnight backpack during our 10-day trip. Open to families with children 6 to 12 years old. Repeater families welcome.

(88) Navajoland Cultural Experience, Canyon de Chelly Monument, Arizona—August 24-30. Leaders, Pat and Pete Greenwood, 5906 Philip Ave., Malibu, CA 90265.

Again we offer an opportunity for families to experience both the Indian culture and the extraordinary beauty of Canyon de Chelly. The week will be spent learning about the Navajo—their art, religion and way of life, around and in Canyon de Chelly and Canyon del Muerto. While hiking in the canyons (2-4 days) we will visit cliff dwellings dating from 450 A.D., pictographs and petroglyphs left by the Anasazi, and farms cultivated by present-day Navajo. Minimum age is eight years.

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. Western rivers being run are all endangered; many are threatened with proposed dams. On most trips the impact of logging practices on the land will be evident. On the Western trips, canoes and paddles are provided; on the Eastern trip you may bring your own or they can be provided for a minimal fee. Final approval of applicants will be determined by the leader. Partial families and an occasional teen-age friend are welcome.

(93) Main Eel River Teen-Age Trip, Northern California—June 21-28. Leaders, Ann and Peter Jones, P.O. Box 626, Woodacre, CA 94973.

(94) June 28-July 5. Leaders, Joan and Bill Busby, 4 Carolyn Ct., Mill Valley, CA 94941.

We begin our trip down the turquoise-colored Eel at Alderpoint. The river winds through oak-studded hillsides, past streams asking to be explored, and shares a narrow canyon with a railroad track giving the paddlers a chance to wave at the twice-daily lumber trains. The canoeing is fairly easy with a few turns, logs and riffles for some interest. It's a daily temptation to sample each sandy beach and deep swimming hole. Other activities are blackberry picking and a hike to the Indian ceremonial rock. Minimum age 6 years.

(95) Adirondack Lakes Teen-Age Trip, Adirondacks, New York—July 27-August 2. Leader, Lyle Seeger, 24 Park Ave., Lyndonville, VT 05851.

A family-type canoe trip in northern New York State for experienced canoeists. Average distance each day about fifteen miles, often with strong winds in afternoon. Strenuous portages, so must be physically strong. Virgin forests, water flowers, water fowl, fishing and swimming. Accessible by public transportation. Minimum age is 14.

(96) Klamath River Teen-Age Trip, Northern California—July 27-August 2. Leaders, Judy and Paul Hacker, 303 Johnstone Dr., San Rafael, CA 94903.



(97) August 10-16. Leaders, Carol and Howard Dienger, 3145 Bandera Dr., Palo Alto, CA 94304.

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 dug-out 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 8 years.

(98) Rogue River Teen-Age Trip, Oregon—August 24-30. Leaders, Barbara and Bill Bair, 1231 E. Loma Alta Dr., Altadena, CA 91001.

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. Prior experience is not necessary at the time of sign-up but some canoeing skills should be developed by trip time. Minimum age for children is 9 years.



CAROL DIENGER

Family Knapsack Trips

Family knapsacking while providing a most memorable family vacation calls for teamwork and frankly is not something every family will be happy in doing. If you and your family have tried knapsacking and like it, and want to learn more from experienced hands, we invite you to select from one of five family knapsack trips in this year's schedule.

The pleasures and rigors of knapsacking are discussed in the foreword to the regular knapsack trips in this *Bulletin*. Family knapsacking is similar; four or five families are led by a family experienced in backpacking together as a family.

Every family member packs his own load which includes part of the commissary food and equipment; even the smallest children are expected to help a little. Ages of the youngest will vary upward from a minimum of six or seven depending on the age composition of the older children in the family because a certain

"family carrying power" is needed. Maturity of the individual child is a factor, too. All youngsters must be able to walk the distance and carry some part of the family's personal and community load. Mother and Dad should not expect to do it all.

(100) Susquehannock Trail, Pennsylvania—July 12-19. Leaders, Nan and Dave Porterfield, Textor School Road, R. D. 2, Box 173, Zelienople, PA 16063.

This moderate trip, with only one strenuous morning, starts and ends at the village of Cross Fork in north-central Pennsylvania's Susquehannock State Forest. Total distance is a little less than 50 miles, not including side trips. An optional side trip will take hikers along a clean trout stream to beaver dams. Average day's hike is about 6 miles. Trip members all share cooking, housekeeping and carrying of community gear and food, with one cache at midpoint to lighten the load. Minimum age is 10.

(101) Blackcap Basin, John Muir Wilderness, Sierra—July 18-27. Leaders, Vicky and Bill Hoover, P.O. Box 723, Livermore, CA 94550.

From a west side Sierra approach, we enjoy great contrasts between gentle forested, flower-strewn slopes and the three glacier-carved alpine basins nestled against the Le Conte Divide. Three layover days permit leisurely fishing and exploring the many lakes of Red Mountain Basin, Bench Valley and Blackcap Basin or for climbing nearby Le Conte Divide peaks for spectacular views into Kings Canyon Park. This moderate loop for families with children age nine and older covers 50 miles in seven hiking days.

(102) Big Margaret Lake, John Muir Wilderness, Sierra—July 27-August 4. Leaders, Marcia and Rudy Kupfer, 32 Highland Ave., San Rafael, CA 94901.

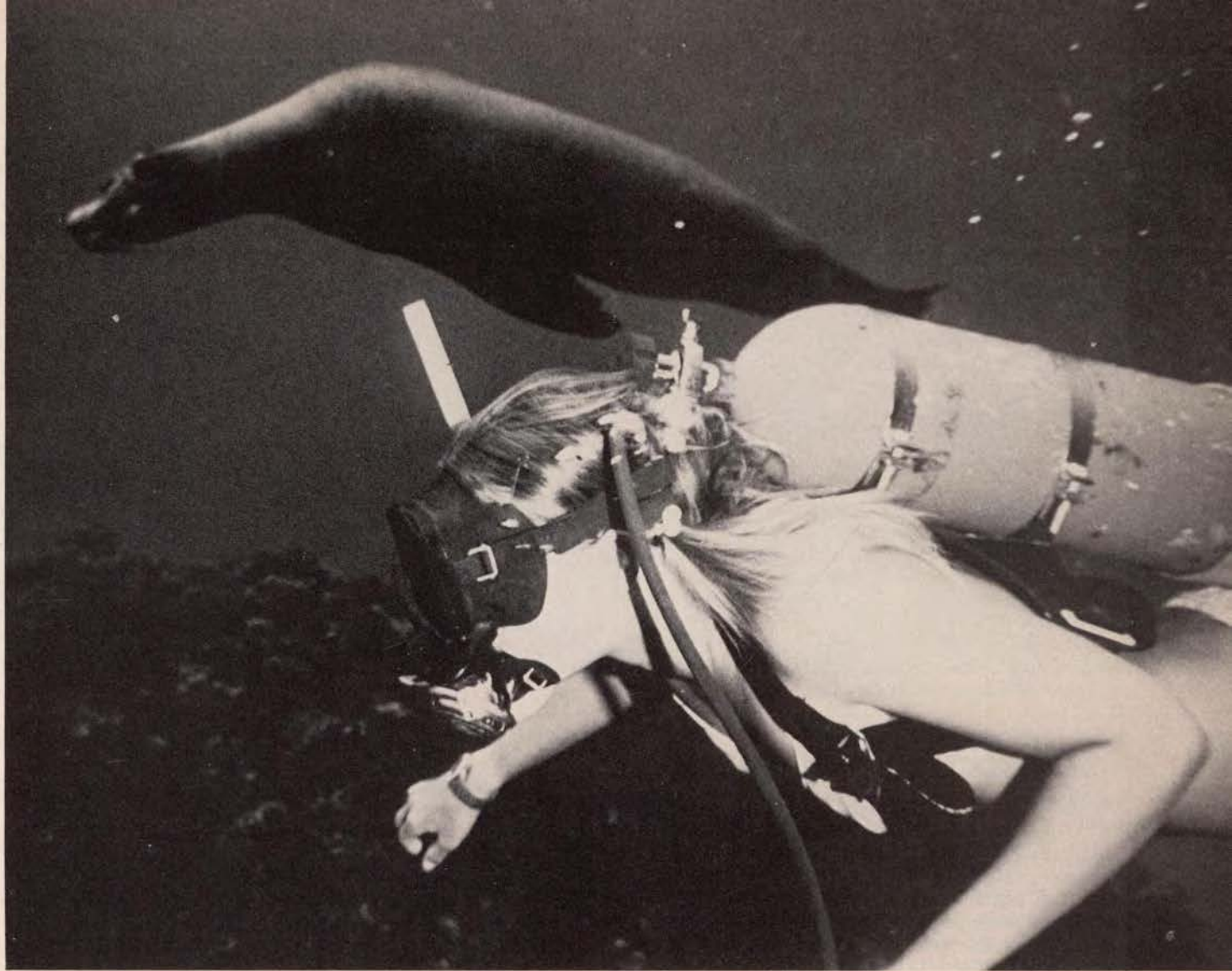
We will explore the western edge of the Silver Divide, a corner of the range overlooked in the guide books, and thus lightly travelled. Crossing of two easy 11,000-foot knapsack passes allows us time for fishing and climbing at Big Margaret, Anne and nearby lakes. Mileages will be low, and with an assist from a food cache, families with children over nine years, and some previous wilderness experience, can enjoy the outing.

(103) Lost Lakes, Minarets Wilderness, Inyo Forest, Sierra—August 11-18. Leaders, Jean and Jim Gilbreath, 7266 Courtney Dr., San Diego, CA 92111.

This eastern Sierra family trip begins near June Lake, California, ascending Bloody Canyon, of which John Muir writes so lovingly in *The Mountains of California*. We'll cross Mono, Parker, Koip Peak, and Gem passes, exiting at Silver Lake, 27 miles from our start. Three (maybe four) layover days will provide time for fishing, climbing easy peaks, and finding the elusive and beautiful Lost Lakes. A food cache will lighten loads. Minimum age is eight.

(104) Gardiner Basin, Kings Canyon Park, Sierra—August 20-September 1. Leaders, Carol and Howard Dienger, 3145 Bandera Dr., Palo Alto, CA 94304.

The climb to the higher regions of central Kings Canyon National Park will begin in late afternoon and continue on into the moonlit evening. Not for beginning knapsackers, this trip will combine three or four layovers and some short moving days with a few days of strenuous cross-country travel. A cache will be picked up twice as we loop around Woods Lake, Pinchot Pass, Bench Lake, Window Peak and Gardiner Basin. Families must have at least one teen-ager and the minimum age is eight.



KENT SCHELLENGER

UNDERWATER EXPLORATION

The sea, greatest wilderness of all, is the milieu of Sierra Club Underwater Exploration. Moving into its fourth year, the program has helped more than two hundred snorkelers and scuba divers enjoy the coral reefs of the Caribbean, the giant kelp forests of colder waters, and the wildly differing marine environments of the Galapagos Islands, Hawaii, and the South Pacific.

Snorkelers of all ages have watched bright tropical fish from the surface. Fifty novice divers have completed the demanding basic scuba course to visit the reefs below, at home in their new surroundings. Experienced divers have found adventures suited to their more advanced skills.

1975 offers new opportunities, with a continued emphasis on ecology. Observation and photography, not collecting, are stressed. Trip staff, experienced and safety-trained, are also knowledgeable amateur, and sometimes professional, marine biologists. Wherever possible, local experts are invited along to give informal lectures and lead underwater field trips. Two trips offer marine biology courses.

Any swimmer in good physical condition can take part, for trips are available for all levels of interest and

skill. Snorkeling equipment is required; scuba gear is usually supplied. See Trip Supplements for details.

(317) Virgin Islands—July 10-21. Leader, Bob Sextro, 526 Pine Wood Ct., Los Gatos, CA 95030.

Novices and veterans, snorkelers and scuba divers, will enjoy the warm water, colorful reefs, and sunken ships of the U.S. Virgin Islands. We will stay in a small hotel overlooking the Caribbean, and will be the only guests and do our own cooking. Daily diving and instruction still allow time for sightseeing. The basic scuba course consists of 30 rather strenuous hours of lecture and water work. Trip leaders are YMCA Instructors. Non-students can loaf. This is a good family trip. Air fare is not included in the trip price.

(255) Maui and Lanai, Hawaii—July 24-August 4. Leader, Kent Schellenger, 248 C Calle Marguerita, Los Gatos, CA 95030.

Snorkelers, beginning divers, and veterans will camp on the white sand beach of Hulopoe Bay on the pineapple island of Lanai. Moving to Maui, all will stay in the historic Pioneer Inn of Lahaina. Snorkelers will be guided to shallow reefs. Scuba students will enjoy the

hard work of learning to dive and soon join the experienced divers in offshore and boat dives. Leader is a NAUI Instructor. Price includes air fare from west coast; lower rates for those joining in Hawaii.

(256) Kona Coast, Hawaii—August 5-14. Leader, Kent Schellenger, 248 C Calle Marguerita, Los Gatos, CA 95030.

Some say Kona is Hawaii's best. We'll see, diving offshore and from the luxurious divers' trimaran, "Fair Wind." No instruction is offered, but the diving is beautifully easy, suitable for the newly certified divers and snorkelers. We will have comfortable rooms near Kona. Time remains for sightseeing. Leader is a NAUI Instructor. Cost covers all expenses including room, meals, diving, rental cars, and the flight from California. Lower rate for those joining in Hawaii.

(257) Baja California Marine Biology, Mexico—August 17-22. Leader-Instructor, Steve Webster, Box 293, La Honda, CA 94020.

A new dive boat out of San Diego will be the base for this exploration of the islands, seamounts, and giant kelp communities off the dramatic coast of Baja. An informal course consisting of diving field trips and evening slide talks will be offered to those interested. Topics will include biology, natural history, ecology, and identification of marine life. Leader is a NAUI Instructor and professional marine biologist. Trip is open to certified divers only.

Foreign Underwater Exploration

(686) Galapagos Islands, Ecuador—June 12-July 5. Leader, Lou Barr, Box 361, Auke Bay, AK 99821.

Daily land excursions across lava flows, meeting fearless birds, iguanas, and giant tortoises, will be augmented by scuba diving. Rarely seen even by scientists, Galapagos underwater offers tropical fish co-existing with sea lions, penguins and turtles, and endemic species such as the diving marine iguana. Trip leader is a NAUI Instructor and professional marine biologist, with research experience in the Galapagos. Not for novices; certified divers with ocean experience only. (A few accompanying non-divers are welcome at lower rates.) Air fares are not included in trip price.

(683) Grand Cayman, British West Indies—June 15-26. Leaders, Steve Webster, Box 293, La Honda, CA 94020, and Kent Schellenger.

Beginning scuba divers can soon enjoy the prolific shallow reef. Experienced divers can dive the Wall of Cayman every morning and return to the Little Drop-off for unlimited observation and photography in the afternoon. Our base is a small divers' resort. The basic course requires prior conditioning and study, and good swimming ability. Co-leaders are experienced NAUI Instructors. Accompanying non-divers are welcome at lower rates. Trip price covers all expenses except transportation.

(685) Grand Cayman, British West Indies: Tropical Reef Biology—June 27-July 8. Leader-Instructor, Steve Webster, Box 293, La Honda, CA 94020.

A college-level course, for casual or credit participation, is offered by the leader, a NAUI Instructor and professor of marine biology. The course covers biology, natural history, ecology, and identification of marine organisms. Open to certified divers (and accompanying non-divers at lower rates) including graduates of Trip 683. Trip price covers all expenses except transportation.



KENT SCHELLENGER

BICYCLE TRIPS

(55) 400 Plus, Central Texas—June 8-14. Leader, Frank De Groot, 4927 Strass Dr., Austin, TX 78731.

Originating at Austin, this loop tour will cover a varied terrain, ranging from rolling prairie with pecan bottoms to the Hill Country, a land of eroded limestone, spring-fed creeks, oak groves and cedar brakes. Our campsites, whether creekbank, lakeshore, or in a pine forest, provide daily swimming. A sag wagon carries personal gear. A strong attempt has been made to make dining satisfying and interesting. The conditioned cyclist will find the first two days easy but would rate the balance as moderate to strenuous.

(56) Cape Cod, Massachusetts—June 22-28. Leader, Evelyn Jackson, 245 S. Gill St., State College, PA 16801.

A week of rigorous cycling on Cape Cod is planned. The group will be accommodated in American Youth Hostels and will travel to a different one each night. Time will also be available for exploring and enjoying some of the beautiful beaches of the Cape.

(57) Maui, Hawaii—July 14-28. Leader, Paul Williams, 4923 Nelson St., Fremont, CA 94538.

The first of two bicycling tours of Hawaii, this trip to Maui will include visits to the old whaling village of Lahaina, the 10,023-foot Haleakala volcano, and an in-depth look at the Hana coast. Seven riding days of 25-40 miles per day are interspersed with 6 layover days which will be used to visit museums, to snorkel, and to investigate the countryside. Commissary duties will be cooperative; 10-speed bikes and acceptance by the leader are required.

(58) Island of Hawaii—July 31-August 18. Leader, Paul DeWitt, 42767 Roberts Ave., Fremont, CA 94538.

Hilo, Laupahoehoe, Hapuna, Kona, The City of Refuge, Manuka, volcanoes, and Pahoia are just a few of the highlights of this bicycle tour around the big island of Hawaii. The trip features nine travel days and eight layover days. Travel days will average 30-40 miles with frequent stops to enjoy the scenery. Commissary duties are cooperative; 10-speed bikes and leader acceptance are required.



SIERRA CLUB PHOTO

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 reached in any other way. 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. On all our trips unless otherwise specified bring your own camping and eating gear. Naturally, all trip applicants must be able to swim.

Raft Trips combine the excitement of plunging through rapids with the enjoyment of the beauties of wild rivers. Carefully selected outfitters provide the rafts, equipment, food, and boatmen who double as cooks to provide good, tasty, wholesome food. Except as noted for special trips, our raft trips are oar powered—no motor noise or fumes. Smaller rafts with fewer people per raft permit a greater awareness. Magnitude of rapids varies with the river and the season.

Canoe, and Canoe/Kayak/Foldboat Trips: These paddle-your-own trips, with an experienced Sierra Club leader and commissary chief to plan menus and bring the food, provide an excellent way to do river or lake touring. Leaders help you learn as you go. Your craft carries your own gear, part of the commissary gear and food; you share in cooking at the beach campsites. Unless specified otherwise, bring your own canoe, paddles, approved life jacket. 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. 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.

River Raft Trips

(500) Grand Canyon Oar Trip, Arizona—May 4-15. Leader, Rouen Faith, 6122 Montgomery Ct., San Jose, CA 95135. **(260) May 21-June 1.** Leader, Tris Coffin, 500 Tamalpais Ave., Mill Valley, CA 94941. **(270) July 13-24.** Leader, Frankie Strathairn, 1504 Lilac Lane, Mountain View, CA 94043. **(273) July 30-August 10.** Leader, Russell Snook, 730 W. Edmundson Ave., Morgan Hill, CA 95037. **(277) August 16-27.** Leader, Blaine LeCheminant, 1857 Via Barrett, San Lorenzo, CA 94580.

This is perhaps the greatest combination of canyon beauty, majesty, detail, variety of nature in 225 miles of peaceful river and wild exciting rapids to be found anywhere. Only 4-5 persons share the 17'x7' inflated rafts with experienced professional oarsmen. 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 with most commercial trips. Minimum age is 15 (18 solo). Cost includes round-trip transportation from Flagstaff, Arizona.

(261) North Platte Wilderness, Wyoming—June 12-18. Leader, Jim Richard, Sherman Hills Estate, Laramie, WY 82070.

This unique raft trip will take us 100 miles down one of the last naturally wild rivers left in the country. Beginning 25 miles from the headwaters of the North Platte River, we will delight in a widely varied landscape. An abundance of wildlife such as bighorn sheep, elk, black bear, mule deer and golden and bald eagles might be seen while floating. Each day will end camped in an isolated and pristine area. Minimum age, 12.

(262) Hells Canyon of the Snake River, Idaho—June 14-19. Leader George Roush, 16250 Jacaranda Way, Los Gatos, CA 95030. **(280) August 25-30.** Leader, Frank Hoover, 900 Veteran Ave., Los Angeles, CA 90024.

This great river trip takes us on the last free-flowing stretch of the Snake River, through the deepest river gorge on the North American continent. Wild canyon beauty and good whitewater rapids, better than average fishing and birdwatching for Idaho trips make this one of our most popular trips. This area continues to be a prime target for our conservation efforts. Minimum age is 8 (18 solo). Cost includes transportation from Boise and to Lewiston, Idaho.

(263) Yampa-Green Rivers, Dinosaur Monument, Colorado-Utah—June 17-20. Leader, Herb Graybeal, 29 Country Club Dr., Suisun, CA 94585.

Starting at Lily Park we drop into the colorful sandstone canyons of the Yampa and Green rivers. This is a good introduction to river running with lazy reaches and enough white water to make it exciting. There will be time for hiking and other activities. Our trip finishes with a wild ride through Split Mountain. Especially suitable for families, minimum age is 8 (18 solo). Cost includes round-trip transportation from Vernal, Utah.

(264) San Juan River, Utah—June 17-22. Leader, Blaine LeCheminant, 1857 Via Barrett, San Lorenzo, CA 94580.

The San Juan River rises in the mountains of southwestern Colorado cutting a devious course through the canyonlands of the Colorado Plateau, thousands of feet of colorful stratified rock forming a deep narrow gorge. Some of the finest panels of ancient petroglyphs in the Southwest are seen near the shore. Frequent rapids and side hikes in Chinle Wash, Slickhorn and Grand Gulch add interest to this outstanding wilderness adventure.

(265) Rogue River, Oregon—June 23-27. Leader, Wes Farrand, 3380 Cork Oak Way, Palo Alto, CA 94303.

(268) July 7-11. Leader, Dawn Cope, 2150 San Vito Circle, Monterey, CA 93940. **(275) August 11-15.** Leader, Harry Neal, 25015 Mt. Charlie Rd., Los Gatos, CA 95030.

We will spend five enchanting days rafting down the Rogue River. Exciting rapids are interspersed with calm stretches of river, and each night we will camp on a delightful riverbank. The last day of the trip takes us through Mule Creek Canyon, a wild, beautiful, narrow river defile, ending near Agness. The warm water is inviting for swimming on this fine family trip. Minimum age, 8 years. Car shuttle available.

(266) Lodore Canyon-Green River, Dinosaur Monument, Utah—June 24-27. Leader, Herbert Graybeal, 29 Country Club Dr., Suisun, CA 94585.

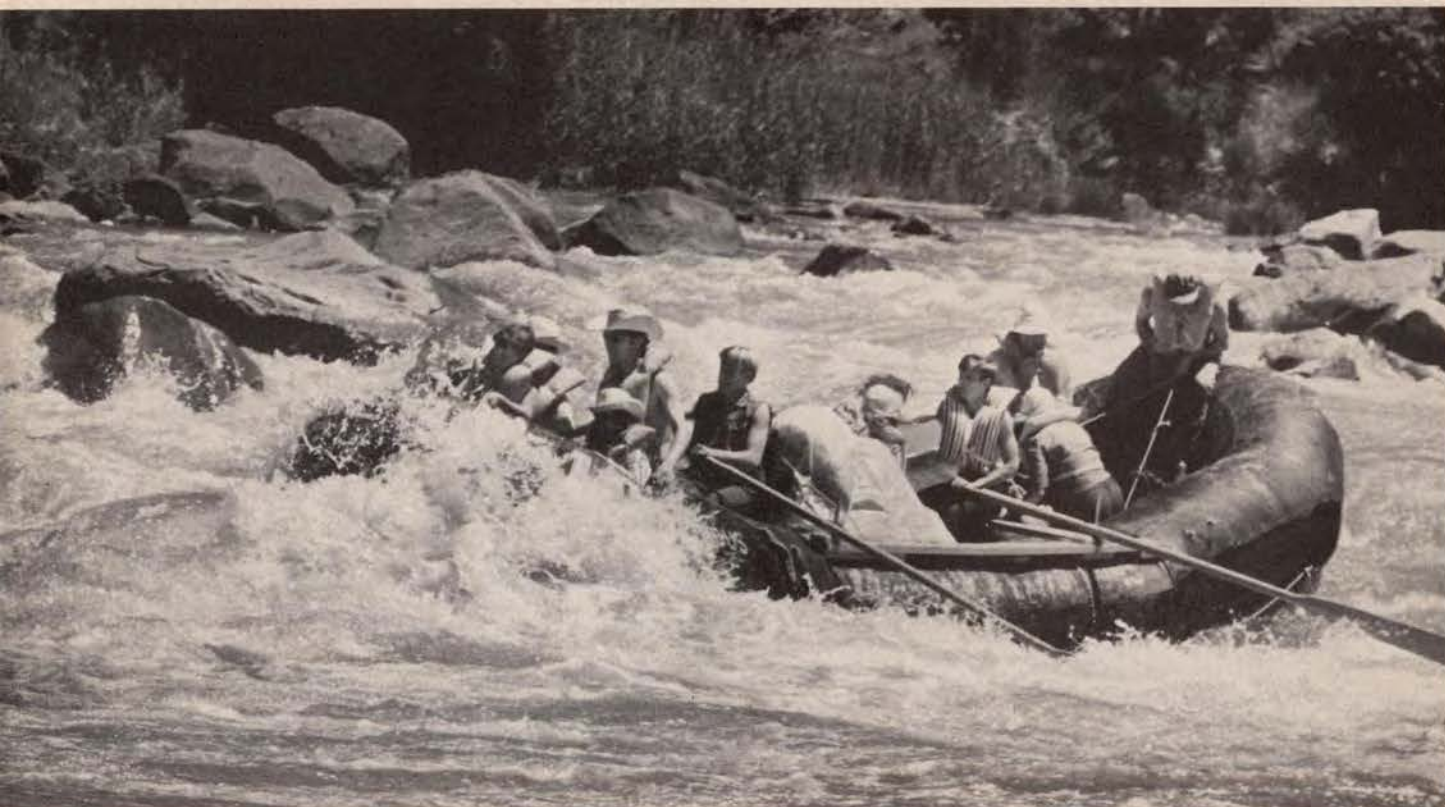
Our trip begins at Brown's Park, once a famed outlaw refuge. As the Gates of Lodore loom over us we pick up speed and ride through brisk rapids such as Disaster Falls and breathtaking Hell's Half Mile. At Echo Park we join the Yampa River, stop at Jones Creek and later run through Split Mountain canyon. Take-out is near Dinosaur Quarry and Museum. A very good introduction to river trips. It is especially suitable for families; minimum age is 8 (18 solo). Cost includes round-trip transportation from Vernal, Utah.

(267) Westwater-Cataract Canyon Raft-Hiking Trip, Utah—June 24-30. Leader, Rolf Godon, P.O. Box 991, Tahoe City, CA 95730.

For seven days we raft and hike into magnificent canyons and mesas few men know. The trip starts on Westwater Canyon north of Moab, Utah. Then overland through buttes and spires to the Stillwater Canyon of the Green River. Rafting to the confluence of the Green and Colorado rivers we lay over for a hike to the

CLARK NATTKEMPER





CLARK NATTKEMPER

remote Valley of the Dolls. A final run through Cataract Canyon, the most active stretch of rapids on the entire Colorado River brings us to trip end at Hite, Utah on Lake Powell. Minimum age 14 years.

(269) Middle Fork of Salmon River, Idaho—July 10-15. Leader, Lynn Dyche, 2747 Kring Dr., San Jose, CA 95125. **(274) August 3-8.** Leader, Anna Stedina, 357 Bryant Ct., Palo Alto, CA 94301. **(279) August 19-24.** Leader, Harry Neal 25015 Mt. Charlie Rd., Los Gatos, CA 95030.

Whitewater rapids of this beautiful river are perhaps second only to the Grand Canyon in size and number and excitement. The small rafts take you through a variety of heavily wooded canyons, deep gorges, pools and rapids. Some fishing, swimming, a dip in hot springs along the way. Last day through "Impassable Canyon" brings you to the confluence of the Main Salmon, 110 miles from Dagger Falls. Minimum age, 10 years (18 solo). Cost includes transportation from Boise and to Salmon, Idaho.

(271) Middle Fork and "River of No Return" Combination Trip, Salmon River, Idaho—July 18-28. Leader, Martin Friedman, 353 Montford Ave., Mill Valley, CA 94941.

After running the Middle Fork we transfer to freshly outfitted rafts for the trip on down the Main to Riggins. This combines the best of both trips in one great adventure. Minimum age is 10 years (18 solo). Cost includes transportation from Boise and to McCall, Idaho.

(272) Main Salmon River Raft-Horseback Trip, Idaho—July 28-August 6. Leader, Rouen Faith, 6122 Montgomery Ct., San Jose, CA 95135.

This trip combines the 90-mile float trip of the "River of No Return" with a stop-over at Shepp Ranch about 77 miles downstream from put-in. A horseback

ride over about 30 miles of the high country takes us past mountain lakes and spectacular canyons. Final day on the river with take-out near Riggins, Idaho. Trip fee includes float trip, horses, commissary and guide services. Minimum age, 15 (18 solo). Cost includes transportation from Salmon and to McCall, Idaho.

(276) "River of No Return," Main Salmon River, Idaho—August 16-21. Leader, John Barnard, One El Capitan, Mill Valley, CA 94941.

Starting at the confluence with the Middle Fork, this trip takes you through about 90 miles of the country's largest contiguous primitive area. It is one of the most attractive rivers in Idaho, and runs through the second deepest canyon. White sandy beaches, relatively warm water, good rapids, and wildlife, make this a delightful trip for campers and nature lovers. Minimum age, 8 years (18 solo). Cost includes transportation from Salmon and to McCall, Idaho.

(278) Chilcotin-Fraser Rivers, B.C., Canada—August 17-26. Leader, Monroe Agee, 13750 Rivulet Rd., San Jose, CA 95124.

This magnificent, new 1974 trip will be repeated starting at Vancouver, B.C., where a bus will take us to Campbell River on scenic Vancouver Island. From there we travel by boat to the end of the 50-mile long Bute Inlet, Canada's grandest fjord, which cuts deep into the Coastal Range. Vast glaciers and waterfalls appear on all sides. We next take a 40-minute, unforgettable float-plane flight over enormous glaciers and past high peaks to lovely Chilko Lake, a jewel of turquoise water surrounded by ice-covered peaks and forests. Here our seven days of white-water fun starts down the Chilcotin and Fraser rivers. We camp out every night on attractive beaches and have ample time for good fishing and stops at places of interest. The trip ends at Vancouver. Minimum age, 12 years.



DICK SCHMIDT

Canoe-Kayak Trips

(282) St. John River Scouting Canoe Trip, Maine—May 29-June 7. Leader, Carl Denison, 199 Lake Shore Drive, Brookfield, CT 06804.

Between the start of the spring run-off and the onset of the black fly season and low water it is practical to run the St. John River. Then the St. John River is a lovely stream traversing true wilderness with many beautiful vistas and relatively easy rapids. However, two rapids, the Black and the Big, will challenge even experienced canoeists. Parts of this trip will be rugged, since gear and possibly canoes will have to be portaged around these rapids. Only experienced canoeists capable of canoeing in class 3 water will be accepted. Canoes are provided.

(283) Buffalo River, Arkansas—June 1-7. Leader, Harold Hedges, Ponca, AR 72670.

Canoe for six days on the Buffalo River of north Arkansas and enjoy 70 miles of America's newest National River. This wilderness-like trip begins in the heart of the Boston Mountains, 14 miles south of Harrison, Arkansas. While the Buffalo is not a white-water stream it offers a challenge to the paddler, fine swimming, good fishing, clean gravel bars for camping and unsurpassed scenery. Days are warm and sunny, nights are cool and nearly insect-free. A fine family trip, but prior canoeing and camping experience are necessary. Canoes are provided.

(284) Southern Appalachian White-Water Canoeing Base Camp, Georgia, North Carolina, South Carolina—June 7-14. Leader, Bill Heath, 2028 Drew Valley Rd., N.E., Atlanta, GA 30319.

We will make six runs on five favorite rivers, each more difficult and each with a unique character. The Chattooga, filmed in the movie *Deliverance*, is protected by the Wild and Scenic Rivers Act. The Nantahala in the

"Land of The Noon Day Sun" was the scene of the 1974 National Open Canoe Races. Sidney Lanier's Chatahoochee, the Little Tennessee, and the Chauga will also challenge the practiced beginner and intermediate paddler. Participants must be in good physical condition and have a thorough knowledge of basic white-water canoeing safety and skills. There will be an optional layover day or outers choice trip. Canoes are not provided.

(285) Eleven-Point River Leisure Trip, Missouri—June 8-14. Leader, Jackie E. Kerr, P.O. Box 5002, Springfield, MO 65801.

For six days we will canoe the wilderness-like Eleven-Point River. Since we paddle only ten miles per day, participants will have time for swimming, photography and side hikes. We will camp at undeveloped campsites along the river where wild flora and fauna will be of particular interest. Although this is a leisure trip and is not strenuous, previous canoeing and camping experience is necessary. Canoes will be provided.

(286) Scenic Rivers, Wisconsin-Minnesota—June 15-21. Leader, John Wheeler, 2690 Huron, Roseville, MN 55113.

Our trip will wind for 95 miles down the Namekagon and St. Croix rivers to the old Nevers Dam landing. The trip is not strenuous and is suitable for family groups within the age limit listed. The rapids 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 heavily wooded primitive sites along shore or on islands. Commissary duties will be shared by all. Minimum age, 15 years. Canoes will be furnished.

(287) San Juan Islands, British Columbia, Canada—June 17-24. Leader, Ross Miles, 18 Farm Road, Los Altos, CA 94022.

Enjoy the ever-changing moods of the sea, the rocky shores and forested islands, and the abundant fresh

seafood of Canada's beautiful San Juan. We put in near Nanaimo on Vancouver Island, then paddle along narrow but sheltered passages between the islands exploring as we go. Campsites will be where we can enjoy the interesting wildlife and the spectacular sunsets of this area. Participants should have some boating experience and be able to swim. Minimum age is 12. Bring your own canoe or rent in Vancouver.

(288) Quetico-Superior Leisure, Minnesota-Ontario—June 22-July 5. Leader, Stu Duncanson, 1754 Ryan Ave. W., Roseville, MN 55113.

On moving days we will paddle and portage five to ten miles. The trip will begin and end in northeastern Minnesota's Boundary Waters Canoe Area, and spend several days in Canada's Quetico Provincial Park, the beautiful land where glaciers exposed the Canadian shield and where lake and forest are now intermingled. Camp and commissary chores will be shared. Basic canoeing skills are required. Minimum age 16; if accompanied by a parent, 14. Canoes are provided.

(289) Upper Missouri River, Montana—July 1-6. Leaders, Ellen and Bob Wilkinson, 5278 Independence St., Arvada, CO 80002.

Canoe where Lewis and Clark boated, camp where they camped and see the last remaining wilderness along the Missouri. The river may be swift but there are no rapids. Children are welcome; under 12 can ride as passengers, over 12 expected to paddle. Canoes not provided, rentals available. Camping will be primitive. Canoe instruction provided if desired.

(290) Delaware River, New York-Pennsylvania-New Jersey—July 13-19. Leader, Frank Springman, Bittersweet Lane, R.D.-2, Doylestown, PA 18901.

Canoe for six days on the Upper Delaware River 120 miles to the Delaware Water Gap. The Delaware is one of the most popular and scenic rivers in the East, lying between the Catskills, the Poconos, and the highlands of New Jersey. Its landscape alternates between forested mountains and steep cliffs, and pastoral fields and old towns. Most of the rapids are easy at this time of year, but basic swimming and canoeing skills are required. Minimum age is 14. Canoes are provided.

(291) Klamath River, Northern California—July 13-19. Leader, Judy Hacker, 303 Johnstone Dr., San Rafael, CA 94903.

An excellent leisurely trip for adults who are beginning canoeists. We will be jet-boated upriver from Klamath to Roach Creek where two days will be spent learning and practicing canoeing skills before paddling down the wide flowing river. There are many good swimming holes and warm water. The fishing is great. Minimum age, 20. Canoes are provided.

(292) Snake River, Grand Tetons, Wyoming—August 3-9. Leader, Frankie Strathairn, 1504 Lilac Lane, Mountain View, CA 94043.

The River Subcommittee is delighted once again to offer the opportunity to canoe 60 miles of the Snake River in the Grand Tetons. Headquarters will be made at Coulter Bay for two days so that we can run stretches of the river and review river skills. One day will be spent hiking up Cascade Canyon before heading down the river to Elbow Bend. Applicants must be in good physical condition and possess a thorough working knowledge of canoeing safety and skills. Minimum age 16. Canoes are not provided.

(293) Kipawa Reserve Exploration, Quebec, Canada—August 3-15. Leader, Dick Williams, 324 N. Edison St., Arlington, VA 22203.

We will explore lakes and flowages in a scenic, heavily wooded area of western Quebec, covering about 80 miles in eight moving days. Five layover days will provide leisure for fishing, photography, drinking in pristine beauty and listening to the loons. Although moderate overall there may be strenuous moments. A mid-trip cache will lighten loads on the numerous portages. Participants must be able to swim and have had canoeing and camping experience. Minimum age is 16 years. Canoes are not provided; rentals available.

(294) Willamette River, Oregon—August 17-23. Leader, Ann Dwyer, 125 Upland Rd., Kentfield, CA 94904.

The Willamette has come to life as one of Oregon's major scenic and recreational attractions and represents Oregon's conservation efforts. It offers excellent fishing and is a bird watcher's and rockhound's delight. Starting in Eugene we canoe through lush fields and forests with a layover day at the confluence with the McKenzie. The last day we run the rapids from Dexter Reservoir to Eugene. Basic canoeing skills required. Minimum age 15 if accompanied by parent. Rentals available; canoes not provided.

(295) Kipawa Reserve, Quebec, Canada—August 17-27. Leader, Mike Maule, Rt. 14, Box 334, Richmond, VA 23231.

We will benefit from last year's exploration trip to avoid the more rigorous portages and canoe into the most secluded areas of this beautiful western Quebec wilderness of clear water and deep forests. This moderate trip will cover 70-80 miles with ample time for leisure exploring, photography, fishing, and bird watching. We will use some of the fine campsites located last year. Participants must have had canoeing and camping experience. Minimum age is 16. Canoes are not provided; rentals are available.

(296) Allagash Wilderness Waterway, Maine—August 18-28. Leader, Tony Josepher, 339 Cold Spring Rd., Syosset, NY 11791.

Our leisurely 11-day trip encompasses lakes, flat water and white-water river paddling from Eagle Lake to Allagash Village at the Canadian border. Canoeists possessing white-water skills will negotiate the famed Chase Carry rapids, while the rest of the party is transported. We may see moose, bear, heron, osprey, and many species of water birds. We will camp early each afternoon to allow time for hiking, swimming, and fishing. The trip is limited to 15 properly equipped and capable paddlers in good physical condition. The trip fee includes canoe rental and 200-mile round trip transportation between our meeting point and the Waterway.

(297) Niobrara River, Nebraska—September 28-October 4. Leader, Ron Kurtzer, 1102 Rose, Lincoln, NE 68502.

Canoe with us on this new trip through the canyons and sandhills of northern Nebraska. Photographers will enjoy the wilderness-like valley of the Niobrara with its wildlife, vegetation varying from cactus to forests of pine and cedar, and the glorious fall colors of paper birch, oak and cottonwoods. There will be time for short hikes to side canyons with sparkling springs and the state's highest waterfalls. The trip is not strenuous, but prior canoeing and camping experience are necessary. Everyone will share in camp duties. Canoes are provided.

(298) Rio Grande Canyons, Texas—October 18-25. 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. Along the way, we will pass through the awesome Chihuahuah Desert and observe fantastic volcanic and erosional formations. 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 20 properly equipped and capable paddlers in good physical condition and with good canoeing skills.

(299) Boquillas Canyon Canoe-Knapsack Trip, Texas—November 23-29. Leader, David Hollingsworth, 2600 Dellana Lane, Austin, TX 78746.

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 em-

phasizes slowly canoeing the main canyon and hiking the side canyons on both sides of the border. An overnight knapsack trip is scheduled for exploration of the most scenic and exciting side canyon. Canoes are not provided; rentals are available.

Boat Trips

(501) Puerto Vallarta, Mexico—May 5-17; (328) November 3-15. Leader, Ellis Rother, 903 Sunset Dr., San Carlos, CA 94070.

Our adventure begins with two full days to enjoy Puerto Vallarta. Then we board native fishing pangas and shove out into the clear blue Pacific to travel along 100 miles of Mexico's west coast. We load and unload through the breakers, camp on exciting lonely beaches with a backdrop of tropical jungle and visit primitive villages. We will be able to snorkel and dive along the reefs, fish, and hike on beaches and jungle paths. The surf, humidity and outdoor exposure make this a trip for active, experienced campers. Minimum age is 14.



DICK SCHMIDT

HAWAIIAN TRIPS

Hawaii outings provide a different way to see our 50th state, visiting areas the usual tourist never sees. Our new, smaller trip size limits the number of participants to a congenial thirty. We usually camp at beach parks, however, on three of the islands we also use mountain campsites. Hikes, generally optional, range from mild to mildly strenuous; swimming and snorkeling are special features and we move between camps in rental cars with volunteer drivers. Our commissary chiefs prepare the menus, order the food and supervise meal preparation, which features Polynesian and oriental specialties. All trip members assist with the cooking, and learn the secrets of some exotic recipes. These are relaxing outings in the lush tropical beauty of Hawaii, generally suitable to all ages.

Trip prices include round-trip air fare from San Fran-

cisco or Los Angeles. Arrangements may be made through our travel agent if you wish to stay in the islands after the trip.

Other trips to Hawaii include touring by bicycle, underwater exploration and a combined Alaska-Hawaii trip, listed elsewhere in this issue.

(107) Maui—August 18-27. Leader, Jim Dodds, 2013 Skycrest Drive #1, Walnut Creek, CA 94595.

Ten days of camping in three areas of Maui will give us a chance to become thoroughly acquainted with the second largest of the Hawaiian Islands. Our first camp will be on the long sand beach at Kalama Park across the channel from Kahoolawe; then we will move to West Maui to camp on a bay. Our last camp will be in the Hana area near Hasegawa's General Store and the Seven Sacred Pools. The trip does not have to be strenuous at all; each participant can decide how much he wants to try.

(108) Island of Hawaii (Makai)—December 22-31. Leader, Pete Nelson, 5906 Dirac St., San Diego, CA 92122.

This will be primarily a knapsack outing and fairly strenuous; double check the supplement. Starting near the active Kilauea volcano we will hike to isolated Halape Beach to enjoy snorkeling in protected waters. Other hikes will be from South Point to the green sand beaches, from spectacular and rugged Waipio Valley to Waimanu Valley and return, and a trek through the Giant Koa forest on the slope of Mauna Kea. Participation subject to leader's approval.

(109) Island of Hawaii (Mauka)—December 22-31. Leader, Toni Weyman, Star Route, Marshall, CA 94940.

We'll camp near Kilauea Caldera, explore it and maybe see an eruption. We will Christmas on the Puna Coast, black sand beaches, Queens Bath, hike on some of the newest real estate in the country, visit extensive petroglyph areas and hopefully enjoy the company and share the knowledge of John Hauanio, the Hawaiian ranger at Wahaula Visitor Center. Then on to Kohala district where we will hike the Kohala Ditch Trail and enjoy the Big Island's best white sand beaches, with snorkeling and body surfing.



JACK CALVIN

ALASKAN TRIPS

An Alaskan wilderness experience will live in your memory long after you return home. 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.

(2) Brooks Range Caribou Knapsack, June 15-July 4. Leader, Wilbur Mills, P.O. Box 81513, College, AK 99701.

From Fairbanks we will fly to a remote valley in the Arctic National Wildlife Range. We explore this rugged part of the Brooks Range from a base camp. Then we hike across the Arctic slope to Kaktovik, an Eskimo village on the Beaufort Sea. The trip coincides with the Arctic caribou migration, one of the great wildlife spectacles in North America. Dall sheep, grizzly bears, wolves and a host of tundra nesting birds are likely to be seen. Cross-country knapsacking ability is essential. Leader will screen applicants.

(4) Alaska Wildlife to Hawaii Greenery—June 23-July 9. Leader, Bill Huntley, 2583 Lancaster Rd., Hayward, CA 94542.

This trip is unique, offering the remote rugged scenery and wildlife of Alaska's Kenai Range in contrast with beautiful beaches and Waimea Canyon on Kauai, the Garden Island of Hawaii. This combination is based on the triangle air fare from mainland to Alaska to Hawaii and return. We will spend 10 days in Alaska on a High-Light-type trip supplied with pack horses and a big game guide to see glaciers and wildlife. On Kauai we

spend 6 nights in the state parks sleeping on the beaches and enjoying the many points of interest on the island.

(6) Glacier Bay-West Chichagof Boating-Hiking—June 29-July 12, and (12) Aug. 17-30. Leader, Chuck Johnstone, Box 316, Sitka, AK 99835.

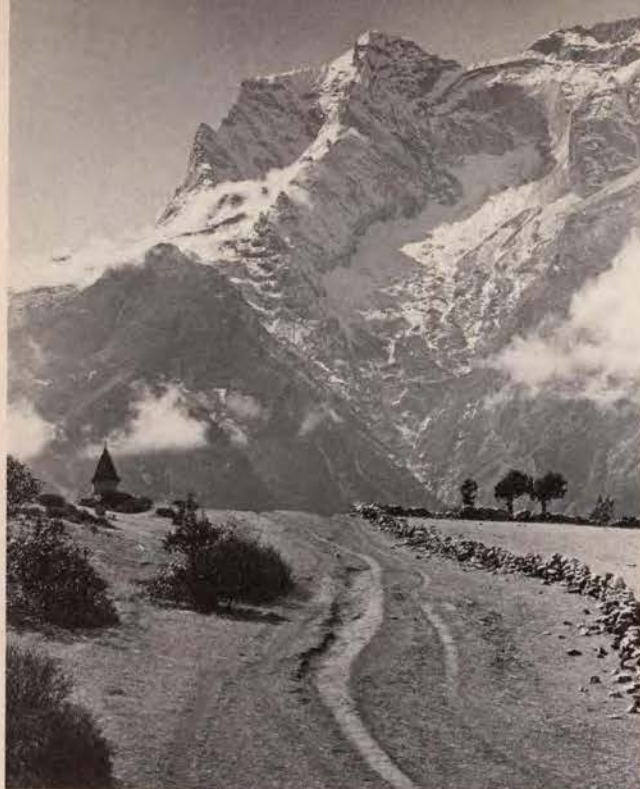
West Chichagof Island and Glacier Bay provide a perfect contrast in southeast Alaska scenery, from a mature rain forest bordering a wildlife-rich Pacific coastline, to a new land, still emerging from the glaciers of the Fairweather Range. The living is comfortable on our 40-foot cruiser, but activity centers on daily hikes ashore, and trip members (17 and older) must be ready for hiking in rough country. Trips begin and end in Sitka.

(8) Wrangell Mountains Knapsack Trip—July 7-23. Leader, Doug Powell, 2418 Acton St., Berkeley, CA 94702.

We plan 15 days on foot in the Wrangell Mountains, a volcanic, ice-mantled range in south central Alaska, with three peaks over 16,000 feet. Access will be via charter plane, the cost of which is not included in the trip fee. The terrain means bush whacking, stream wading, tundra travel, boulder hopping and crossing of steep passes. Air supply will lessen the burdens of backpacking with several base camps being set up. Stamina, backpacking experience and good physical condition are mandatory. Leader will screen applicants.

(10) Admiralty Island Canoe Trip—July 13-20. Leader, Sandy Sagalkin, Box 381, Auke Bay, AK 99821.

Admiralty Island, 100 miles of pure wilderness in southeast Alaska, is the home of the great brown bear, the bald eagle, and the spruce/hemlock rain forests. We go by float plane (flight included in trip price) from Juneau to Mole Harbour on the east side of Admiralty, where we begin our canoe trip through seven lakes, to Angoon, an old Indian village on the west side. There are two long portages and several short ones, but we take our time, and husky teen-agers over 13 should have no problem. Leader will screen applicants; canoes are included.



AL COMBS

1975 FOREIGN TRIPS

This will be the fourteenth year that the Sierra Club has supplemented its domestic wilderness outing program with an exciting variety of foreign trips. They range from as far south as Patagonia, north to the Arctic Circle, westward (from San Francisco) to Afghanistan and eastward to Yugoslavia. (Where do East and West meet?) These outings take members as close as possible to the land and people of each country for an experience not duplicated by typical travel tours, and an introduction to the natural beauty and the conservation problems of these remote and distant lands.

(607) Galapagos Islands, Ecuador—February 27-March 19. Leader, Evelyn Mitchell, 65 Hillside Ave., San Anselmo, CA 94960.

(622) July 31-August 20. Leaders, Charles Schultz, 14 Pacheco #7, San Rafael, CA 94901, and Steve Anderson.

See marine and land iguanas, tortoises and birds unique to each island. Excursions and overnight hikes are planned to volcanoes, rain forests and scenic spots. Not included in the trip itself but interesting, would be a one-week excursion to visit Machu-Picchu or Bora-Bora Indians and jungle in Colombia after the trip. (607)—This outing during the warmer rainy season offers 10 participants as much time as possible for sketching and photographing the lush greenery in contrast to the stark lava land and blue ocean water. (622)—During this season expect the yellows and browns of the dry, cooler season.

(605) Kenya Game Viewing, East Africa—March 1-28. Coordinator, Al Schmitz, 2901 Holyrood Dr., Oakland, CA 94611.

This fine itinerary, starting and ending in Nairobi, will include visits to the game-rich areas of Amboseli and the Masai Mara Game Reserve, the Rift Valley lakes including Lake Baringo, the Cherangani Hills, Mount Elgon, the Samburu country, and the foothills of Mount Kenya. A quick trip to Tanzania while near its border may be possible subject to conditions.

(608) Strawberry Fields Base Camp, Jamaica—March 6-20. Leader, Dick Barton, 616 Walton Ave., Mamaroneck, NY 10543.

Spend two weeks in rural Jamaica, camped on the north shore far removed from large cities. The nearest tiny village is two miles away with friendly villagers still living much as their ancestors. We will relax on the beach, swim the warm Caribbean waters or explore. Many special excursions are planned: to Dunn's River Falls rafting on the Rio Grande, visiting Brimmer Hall Plantation. Tents and camping equipment are provided.

(612) Trisuli-Gatlang Natural History, Nepal—March 21-April 20. Leader, Al Schmitz, 2901 Holyrood Dr., Oakland, CA 94611.

Two weeks of moderate hiking with a naturalist north of Kathmandu in the Trisuli and Gatlang valleys, separated by a 12,500-foot pass. The route passes through many primitive and seldom-visited Thamang villages. Rhododendrons are in full bloom and the trek dates cover the spring bird migration. See SCB, October, 1970. We will also spend four days in tented camps at Tiger Tops.

(616-A) Walking in Scotland—May 29-June 13. Leader, John Ricker, 2950 N. Seventh St., Phoenix, AZ 85014.

(616-B) June 15-30. Leader, Lynne Simpson, 2907 Pine St., Berkeley, CA 94705.

Our bonnie tour has been arranged under the auspices of the National Trust for Scotland, a conservation group similar to the Sierra Club. We will travel north from Edinburgh by trip member driven mini-buses, dividing our time between hiking and touring the highlands. Our nights will be spent in youth hostels, forest reserve cabins, and small hotels. Our talks with Scottish conservationists will make us aware of current conservation issues in Scotland. Leader approval is required due to the difficulty of the hikes.

(617-A) Walking in England's Westcountry—June 1-15. Leaders, Lori and Chris Loosley of England.

(617-B) June 15-29. Leaders, Jane and John Edginton, 1508 Fernwood Dr., Oakland, CA 94611.

Walk over the moors, along coastal paths and through cobbled streets to discover Devon and Cornwall, Britain's far west. A land of myth and history, it combines gentle upland beauty with bleak wildness of coast and moorland. Interspersed with the walks will be visits by boat and car to places of historical interest. The trip should be easy for anyone in condition to walk up to ten miles a day in any kind of weather.

(618) Arctic Circle—June 15-July 4. Leader, John Ricker, 2950 N. 7th St., Phoenix, AZ 85014.

This moderate walking trek will take place entirely in daylight north of the Arctic Circle. Trip members should be in reasonably good shape to carry packs which will include food and sleeping bags. Plane, boat, bus and train will be used to get from one area to another. The trip begins in Bodo, Norway, thence to the Lofoten Islands for birding, hiking and exploring. We will travel

to North Cape and spend 5 days walking in Lapland. The trip will end with a hike along Kungsleden in Abisko National Park, Sweden, and train trip to Narvik.

(620-A) Colombia-Peru Archaeological Trails—June 21-July 29. Leader, Howard Mitchell, 65 Hillside Ave., San Anselmo, CA 94960; **(620-B) June 28-August 5.** Leader, Ray Des Camp, 510 Tyndall St., Los Altos, CA 94022.

In five weeks we will hike, travel by bus, air and boat to explore both famous and little-known archaeological sites and park areas. We will visit Pueblito, San Augustine, Tierradentro, Chan Chan, Chavin, Toro Muerto petroglyphs, Sillustani Towers, Tiahuanco, Cuzco, Pisac, Ollantay-Tambo. We will hike to Machu-Picchu, see vicunas on Andean plateaus, floating reed islands in Lake Titicaca, and snowy Andean peaks. Both groups will have identical itineraries.

(615) Israel and Sinai Peninsula—June 23-July 23. Leader, Ron Eber, Dept. of Urban Planning, Univ. of Oregon, Eugene, OR 97403.

The major part of our trip will be spent in the wilderness of Sinai, as special guests of Israel's Society for the Protection of Nature. We will visit remote off-the-beaten-track places of natural, historical and archaeological interest. Highlights: the Judean and Negev deserts; Gulf of Eilat coral reefs; 5th century Monastery of St. Catherine; a climb of Mt. Sinai and others; Jerusalem; Ein Gedi oasis; Dead Sea; Jordan River headwaters; the Galilee; the forests of Mt. Carmel and its birdlife and the ancient cities of Caesarea, Jericho and Capernaum. Includes walking, hiking, camping and snorkeling. Desert conditions primitive.

(624) Kashmir Himalaya Trek—July 17-August 13. Leaders, Lynne and Doug McClellan, 88 Ridge Rd., Fairfax, CA 94930.

As the Himalayan Range flows west from the Karakoram it becomes gentler and more Sierra-like, with pine and fir forests, high meadows and grasslands, mountain lakes and streams. Our trek takes place in the high mountains surrounding the Vale of Kashmir, relatively untraveled. Our trek starts east of Srinigar and will circle about 160 miles in 16 days, with ten days above 12,000 feet. Ponies will carry our food and gear. On our return to Srinigar we'll relax on a houseboat for two days before visiting Kathmandu.

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(621) Kenya: Northern Frontier, East Africa—July 20-August 16. Leader, Ross Miles, 18 Farm Rd., Los Altos, CA 94022.

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

(630) Walking in Norway—August 11-29. Leader, Raleigh Ellisen, 2720 Elmwood Ave., Berkeley, CA 94705.

The rolling Hardanger Plateau and the rugged Jotunheimen—"Home of the Giants"—will be the site of this three-week walking trip in Norway. Hiking days will be long and most nights will be spent in huts where we can meet and share mountain experiences with friendly Norwegian hikers. From Bergen we go by train to Finse, hike around the Hardanger Glacier, and then head north to the Jotunheimen where our trip climaxes with a crossing of the Smorstabbreen Glacier.

(017) East Africa: Walking the Mathews Range, Northern Kenya—A Camel Safari—September 7-October 4. Leader, Al Schmitz, 2901 Holyrood Dr., Oakland, CA 94611.

Hardly ever visited by tourists, the Mathews Range is sparsely populated by members of the semi-nomadic and cattle raising Samburu and Turkana tribes who in these lonely canyons pursue a life little changed over centuries. For at least ten days we will traverse this range on foot, assisted by a pack train of camels. We will camp in and explore the dry river courses and climb the higher elevations. The total experience will be as close to an early African foot safari as is possible today. In addition we will hike in the Loita Hills of southern Kenya and camp in the Masai Mara Game Reserve for it is in this beautiful section that game is most abundant in East Africa at this time of year.

(635) Annapurna Circle Trek, Nepal—September 27-October 30. Leader, Tris Coffin, 500 Tamalpais Ave., Mill Valley, CA 94941.

The area north of Annapurna is newly opened to trekking. We will circle the massifs of Annapurna Himal, Lamjung Himal, and Ganesh Himal, with unparalleled views of the peaks. This strenuous 25-day trek goes north from Pokhara up the river gorge of the Kali Gandaki at 10,000 feet, lying between the peaks of Dhaulagiri and Annapurna Himal. North of Annapurna we turn east to reach Muktinath, cross Nisango La at 15,000 feet and return to Pokhara through the beautiful Marsyandi Valley. Should snows block the passes above Muktinath, we visit the French Base Camp, with optional strenuous day hikes.

(640) Kanchenjunga Trek, Nepal—October 25-November 30. Leader, Wayne Woodruff, P.O. Box 614, Livermore, CA 94550.

Kanchenjunga lies in the extreme northeast corner of Nepal and forms, together with Everest, the long ridges encircling the steep Arun Valley. This strenuous 30-day trek will explore the dense forests of cedar, spruce, hemlock and bamboo and visit the few villages lying above

8000 feet. These ridges form a north-south barrier and so have a diversified flora and fauna, from snow leopards and brown bear to sal trees. The ridges above 14,000 feet offer magnificent views of Kanchenjunga, Jannu, Makalu and the eastern tip of Everest.

(642) Malaysia Dugout/Knapsack—September 28-November 1. Leader, Doug McClellan, 88 Ridge Rd., Fairfax, CA 94930.

The Malaysian jungle is older than the Congo or the Amazon. It is estimated to have evolved undisturbed for 100 million years. Malaysia's National Parks offer boating on magnificent rivers, stalking big game with a camera, unequalled birding, mountain climbing, swimming and camping amidst giant tropical trees, ferns, pitcher plants, and orchids. A month will be spent exploring the finest of the world's great rain forests and camping on South China island shores—from Bangkok to Singapore.

(647) Angel Falls, Venezuela—November 8-23. Leader, Ted Snyder, 2 Whitsett St., Greenville, SC 29601.

The Orinoco headwaters drain a vast and almost uninhabited wilderness. In southeast Venezuela great flat topped buttes, with sheer walls of pink sandstone dominate the jungle. The top of one of these, Auyan-Tepui, or Devil Mountain, is the source of 3213-foot high Angel Falls. We reach the foot of the falls after a two-day trip in dugout canoes. Moderate difficulty. Minimum age, 15.

(033) Sahara—Tassili N'Ajjer Camel Caravan, Algeria. November 13-December 1. Coordinator, Al Schmitz, 2901 Holyrood Dr., Oakland, CA 94611.

The Tassili is a huge plateau cut by large canyons and festooned with bizarre mountains. It is sparsely inhabited by the Touaregs, a fiercely independent group of nomads. We will travel through this wonderland of rocks by camel and on foot under Touareg guidance with the rare opportunity to inspect the multitude of cave and rock paintings done by a people long ago when the Sahara was lush and full of game. The outing is rough and will demand a certain amount of stamina and adjustment to primitive conditions. The reward, however, is an experience in unspoiled wilderness with days of solitude and nights of great beauty.

(648) Patagonia, Falkland Islands—November 28-January 3, 1976. Leader, Harold Seielstad, 709 Seminole Way, Palo Alto, CA 94303.

A land of austere grandeur—mountains, glaciers, lakes, rivers and the golden pampas. We will visit Lapataia National Park in Tierra del Fuego and Paine and Fitzroy National Parks on the mainland, traveling by bus, ferry, plane, horseback and foot. We will observe unique wildlife and some of the world's most spectacular glaciers and mountains in this extreme southern tip of Chile and Argentina. Eight days will be spent observing the vast Falkland Island rookeries of marine birds and seals, second only to the Galapagos in abundance and approachability of wildlife.

1976 Foreign Trips

(405) Ecuador—January-February (three weeks), Leader, H. Stewart Kimball, 19 Owl Hill Rd., Orinda, CA 94563.

A three-week visit to Ecuador with three areas visited in the highlands and one in the jungle. We will visit the Otovalo Indian market and then spend two days camping at the Mojanda Lakes. Second trek will be in the high valleys around Cotapaxi with an opportunity to climb this 19,000-foot peak. The third outing will be a walk along the Inca trail and finally, a visit to the jungle area. This trip will immediately precede the Galapagos Islands trip listed below to take advantage of one flight expense for a total experience of Ecuador.

(410) Galapagos Islands, Ecuador—January-February (25 days). Leader, H. Stewart Kimball, 19 Owl Hill Rd., Orinda, CA 94563.

This is the warmer season and the islands are greener and more tropical. Unusual photography, swimming on beautiful beaches, snorkeling, hikes across fantastic lava beds, and we shall see giant tortoises and iguanas in the wild. This trip will immediately follow the Ecuador trip listed above.

(415) Kenya Saddle and Game Viewing Trip (optional Blue Nile River Run, Ethiopia)—January 29-February 21 (February 18-29). Coordinator, Al Schmitz, 2901 Holyrood Dr., Oakland, CA 94611.

The trip will be a combination of horseback riding, game drives and hiking in various parts of Kenya from the Masai Mara to the Samburu country. As an optional choice, a week's boat trip down the Blue Nile River in Ethiopia is added to the outing.

(425) Tasmania and New Zealand—February (4



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weeks). Leader, Al Schmitz, 2901 Holyrood Dr., Oakland, CA 94611.

We will establish two base camps on southern Tasmania in areas reached by charter air and trips will be undertaken from these bases. After two weeks in Tasmania, we will visit the scenic Southern Island of New Zealand and Stewart Island on the extreme southern tip of New Zealand. On the return home, we will have a trip

through the Fiji Islands and hike through their mountains.

(430) Trisuli-Gatlang Valleys, Nepal—March. Leader, Tris Coffin, 500 Tamalpais Ave., Mill Valley, CA 94941.

This springtime trek includes the most fascinating biotic areas in central Nepal, ranging from a visit to the jungle Terai on the Indian border to the great hemlock and rhododendron forests of the inner Himalaya. We cross a 12,000-foot pass dropping into the upper Mailung drainage near a glacier at the foot of one of the Himalayan giants. We will complete our circle trip to Trisuli Bazaar proceeding via the western ridge of the Mailung River. Travel by elephant, landrover, air and foot will include a trade route to Tibet and the seldom-visited Gatlang Valley.

(435) Gurkha Himal, Nepal—April. Leader, Bob Stout, 10 Barker Ave., Fairfax, CA 94930.

Eighteen days of trekking, featuring birds and flowers and accompanied by a naturalist. We will visit the home of the 18th-century Gurkha warriors who conquered Kathmandu Valley and formed the present Nepalese culture. The maximum elevation is 15,000 feet; this is a moderate trek.

(438) A Spring Outing to Japan—April 17-May 15. Leader, Tony Look, 411 Los Ninos Way, Los Altos, CA 94022.

Cherry blossom viewing, local walks on trails, low mountain treks, rural villages, Japanese inns and conservation talks are all scheduled for our visits to Honshu and Hokkaido. Group air fares only, starting in San Francisco. For information, contact the leader.

(440) Central America Archaeological Trip—Mid-June to Mid-July (four weeks). Leaders, Margaret and Ellis Rother, 903 Sunset Dr., San Carlos, CA 94070.

Varied travel to archaeological sites in Mexico and Guatemala, buried cities in the jungle and restored sites which show the splendor of their civilization.

(445) Northern Frontier District, Kenya, East Africa—July 1-28. Coordinator, Al Schmitz, 2901 Holyrood Dr., Oakland, CA 94611.

The area has been opened only fairly recently to tourism and therefore still exhibits the very primitive aspects as seen by the early African travelers. The highlight of the trip is a visit to Lake Rudolph in its utterly stark setting.

(450) Galapagos Islands, Ecuador—July (25 days). Leader, Betty Osborn, 515 Shasta Way, Mill Valley, CA 94941.

These starkly beautiful islands remain little changed since their discovery. The wildlife has become uniquely adapted and can be observed in numerous bird and animal species. Walking excursions and overnight hikes to see unusual plants, volcanoes, rain forests and scenery. Wonderful snorkeling, swimming and photography.

(455) South America Parks—July-August (four weeks). Leader, Howard Mitchell, 65 Hillside Ave., San Anselmo, CA 94960.

East and west on the continent, from high Andean snow-capped peaks to sea coast, forest and jungle. There will be three or four-week long hiking excursions on varied terrain.

(460) Indonesia: Java, Bali, Sulawesi—July-August (five weeks). Leader, Ray Simpson, 2907 Pine St., Berkeley, CA 94705.

Our journey will offer a wide variety of various cultures representative of the islands and people of Indonesia. We will see dugout sailing outriggers of the same design used for thousands of years; snorkel at the nature reserve of Udjong Kulon; walk cross-country through remote villages; and have our palates tantalized by a delightfully different cuisine.

(475) Hiking and Canoeing in Sweden and Swedish Lapland—July 22-August 12. Leaders, Mary and Ross Miles, 18 Farm Rd., Los Altos, CA 94022.

From canoeing through Varmland's fascinating lake area to hiking the majestic Kungsleden in Lapland, this trip offers a unique and unforgettable experience. The canoeing can be managed by beginners, but the hiking requires conditioning. We will all meet in Stockholm.

(480) Southwestern Greenland—August (15 days). Leader, Jim Watters, 600 Caldwell Rd., Oakland, CA 94611.

A pleasant, delightful mixture of excursions, boat touring and mountain walking including backpacking and tenting out. Visits to ancient Viking encampments, and an introduction to Danish and Eskimo cultures. While not a mountaineering trip, some days will include peak climbs and glacier walking.

(485) The Netherlands Afoot and Afloat—September (3 weeks). Leader, Ellis Rother, 903 Sunset Dr., San Carlos, CA 94070.

A remarkable outing adventure of woods, sanctuaries, polders and water life in this delta land forever at war with the North Sea. A remarkable harmony of old and new, plants, creatures and man.

(510) Kenya Mountains to the Sea (optional addition to Seychelles or Omo River, Ethiopia)—September 30-October 22 (October 21-30). Leader, Al Schmitz, 2901 Holyrood Dr., Oakland, CA 94611.

To this unusual itinerary with its several days of canoeing on the Tana River will also be added the optional side trip to the Seychelles Islands to see their beautiful landscapes and unusual flora and fauna.

(515) Ganesh Himal-Gurkha Himal, Nepal—October (25 days). Leader, Doug McClellan, 88 Ridge Rd., Fairfax, CA 94930.

Twenty-five days of trekking, perhaps with a naturalist to visit the home of the 18th-century Gurkha warriors who conquered Kathmandu Valley and formed the present Nepalese culture. The first part of the trek is all Tamongs, the second all Gurungs; both tribes have maintained identity with unique dress and customs. The maximum elevation is 15,000 feet, a moderate trek.

(520) Annapurna Circle, Nepal—November. Leader, John Edginton, 1508 Fernwood Dr., Oakland, CA 94611.

To circle the massifs of Annapurna, Lamjung and Ganesh Himals is the goal of this relatively strenuous 25-day trek promising unparalleled views of these great peaks. We cross Thong La at 17,000 feet to return by the great river gorge of the Kali Gandaki far below and between the towering peaks of the Annapurna and Dhaulagiri Himals. Should snow block the high passes, we will explore beautiful Marsyandi Valley returning down that valley.

Further information on the 1976 Foreign Trips will be published in the June 1975 *Sierra Club Bulletin*. Trip Supplements for the 1976 Foreign Trips may not be available until late spring.



BEVERLY F. STEVESON

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 prepared from the large variety of lightweight foods now available, with trip members taking turns cooking and doing other camp chores under the supervision of a small trip staff.

Group size varies from between 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.

(110) High Uintas Primitive Area, Ashley Forest, Utah—June 29-July 11. Leader, Allen J. Malmquist, Box 388, Fredonia, AZ 86022.

A moderate trip along the crest of the Uinta Range in northeastern Utah, well suited to beginners and families as well as the more experienced. Camps will be in tundra meadows at the 11,000-ft. tree line in vast lake basins surrounded by 13,000-ft. peaks. The five layover days will feature tundra ecology study, excellent fishing, and peak climbing. Roadhead will be north of Duchesne, Utah (US Hwy 40), about 100 miles east of Salt Lake City—good bus connections.

(111) Marble Mountains, Northern California—June 29-July 11. Leader, Roger Smith, 2181 Grace Ave., McKinleyville, CA 95521.

The Marble Mountain Wilderness Area offers a strikingly different experience from the better-known Sierra Crest. Black Marble Mountain at 7451 feet is the highest peak in the area. The early summer lake and stream fishing should be good for rainbow, eastern brook and brown trout. Amateur naturalists may see such remnant floral species as Brewer Spruce, Saddle Oak and bitter-root. Wildlife in the area includes blacktail deer, mountain lion, black bear and osprey.

(112) Red Desert, Wyoming—July 5-11. Leader, Jim Richard, Sherman Hills Estate, Laramie, WY 82070.

The mystique of the desert landscape will dominate this trip, escorted by 4-wheel drive vehicles into some of the most remote country in the West. This area supports the largest herd of wild horses on the continent, approximately 1000 head. Hiking on rugged buttes and mesas is possible each day with one day layover planned in the Firehole area east of Flaming Gorge. This trip offers a practical means of seeing a majority of the highlights of the vast, isolated and impressive Red Desert.

(113) Woodchuck Country, Sierra Forest, Sierra—July 8-15. Leader, Charles Schultz, 14 Pacheco #7, San Rafael, CA 94901.

Woodchuck Country offers a mixture of dense forests, mountain lakes, emerald meadows, and areas of the alpine life zone. Moving every other day we have time to explore the country enjoying the diversity of the mid-Sierra. This early-season trip ranging from 6500 to

10,000 feet is timed to catch the rush of spring in the mountains. Our roadhead is on the western side of the Sierra and our toughest day is only 9 miles and 2800 feet up—a moderately easy trip and a nice combination with the High-Light to Blackcap Basin area, described below.

(114) Blackcap-Red Mountain Basins, John Muir Wilderness, Sierra—July 16-23. Leader, Jerry South, 483 Throckmorton Ave., Mill Valley, CA 94941.

This moderately paced 40-mile trip between 8000 and 10,500 feet with three layover days should suit all High-Light devotees. Bold rock hoppers can ascend the watershed ridge of the San Joaquin and Kings rivers while the anglers battle lake trout. And there's a geological surprise for all.

(115) Willmore-Jasper Parks, Canada—July 21-August 1. Leaders, Mary Lou and Al Combs, 705 S.W. 83rd, Portland, OR 97225.

We will be hiking cross-country in an area of Willmore Park seen only by an occasional backpacker. We pass numerous lakes with good fishing, cross Glacier Pass and Little Heaven summit. Highlights of the outing will be the layover day at the Natural Arch and the hike along Blue Creek, a most exceptional stream. You must be in good condition for this outing since we have several stream crossings, two long days and some cross-country travel. Total distance about 95 miles with three layover days.

(116) Teton Back Country, Targhee Forest, Wyoming—July 26-August 2. Leader, Russ Hansen, 2244 Evergreen Springs Dr., Diamond Bar, CA 91765.

Our route will lead us from the forested regions of the western side of the Tetons across Moose Creek Divide at 9080 feet. The hike along the Teton Crest Trail will offer panoramic views of the valleys below in the face of the Grand Teton. Alternate layover days will allow ample opportunity to explore and admire the lovely scenery. Hiking will be moderate over good trails with several stream crossings and elevation gains of 2000 feet.

(117) Western Slope of the Tetons, Targhee Forest, Wyoming—August 3-10. Leader, Russ Hansen, 2244 Evergreen Springs Dr., Diamond Bar, CA 91765.

This second trip in the Teton Country will begin at the terminus of the first (Trip 116). This trip will be a little different in that the first full day will be a layover, allowing us to hike to Table Mountain (11,106 feet). This rather strenuous hike, 3500 feet elevation gain in 4.1 miles, will reward us with one of the most spectacular views of the Teton Range and the Grand Teton. Other layover days will allow time to explore and enjoy the alpine scenery. Hiking will be on good trails with several stream crossings.

(118) Mt. Robson-Jasper Parks, Canada—August 3-14. Leaders, Mary Lou and Al Combs, 705 S.W. 83rd, Portland, OR 97225.

This outing starts on the North Boundary Trail north of Jasper, Alberta. Previous club outings have covered a portion of this trail; however, much is new to the club. We cross Wall, Moose and Robson passes with the outing ending at Berg Lake at the foot of Mt. Robson. This outing is for those in good condition since some of the trail is rough. We have two long days and there are river and stream crossings. Total hike is about ninety miles with four layover days. Roadhead is Jasper, Alberta.

(119) Mount Zirkel Wilderness, Colorado—August 3-15. Leaders, C. J. Engberg, 6906 Birchton Ave., Canoga Park, CA 91304, and Richard Hoops.

With a desire to limit group size but still retain the High-Light format, this trip will have two independent groups of 12 traveling and camping separately, but with the same itinerary and serviced by the same pack string. The trip is moderate with short moves well suited for beginners and families. We will camp in several high lake basins on both sides of the Continental Divide and on five layover days will explore the tundra flower gardens and high peaks.

(120) Idaho Primitive Area, Payette Forest, Idaho—August 3-15. Leader, Jeff Thompson, 1 Downing St. #7, Denver, CO 80218.

The Idaho Primitive Area contains over one million acres of seldom-visited wilderness. While not high in elevation, the land is rugged and demands fitness from those who travel here. Average hiking days will be 9 to 12 miles in length with a maximum change in elevation of 2900 feet. The peaks, allowing magnificent views, top over 9400 feet, but most of our trip route lies between 6000 and 8000 feet. This can be difficult country if you are not in shape—degree of difficulty is on the strenuous side of moderate.

(121) Yosemite-South, Sierra—August 10-16. Leader, Donald G. Parachini, 1140 Winsor Ave., Piedmont, CA 94610.

This loop trip out of Granite Creek roadhead covers the spectacular Yosemite high country often described by John Muir. Crossing the Clark Range into the Merced River country and returning, we will go over four passes; Isberg, Red Peak, Merced and Fernandez. The loop covers about 45 miles and most of it ranges between altitudes of 7000 and 11,000 feet.

(122) Southern Sawtooth Primitive Area, Idaho—August 11-21. Leader, George Hall, 520 Brackney Rd., Ben Lomond, CA 95005.

Many high lakes and the granite peaks of the Sawtooth are the features of this trip in the Hemingway country of central Idaho. We plan a loop trip in the southern part of the range, visiting peaks, lakes and passes much less



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traveled than those farther north. Wildflowers should be at their best and the fishing excellent. Elevations run from 8000 to 10,000 feet, a lower elevation trip with high alpine surroundings.

(123) Eagle Cap Wilderness, Wallowa Mountains, Oregon—August 16-23. Leader, Jim Angell, 3450 S.W. Talbot Rd., Portland, OR 97201.

This is a new outing for the club in a spectacular, sunny, alpine lake setting where most of our time will be spent between 6000 and 8000 feet. Our trail in and out follows the beautiful East and West Forks of Eagle Creek. With two layover days and some short moving days, there will be ample time for exploring, good fishing every day, or some easy mountain climbing on solid granite. Although the total hiking distance is only about 50 miles, the first day will involve 11 miles with a 3000-foot climb, so be in good condition.

Southern Sierra Special, Kings Canyon-Sequoia National Parks, Sierra. Coordinator, John Edginton, 1508 Fernwood Dr., Oakland, CA 94611.

Up to April 1, 1975, we will confirm only reservations for combinations of two or more of these consecutive trips. Reservations for single trips will be wait-listed in order received and confirmed April 1 according to the availability of space on the trips. Please send a separate deposit and application for each trip.

(124) Monarch Divide—August 25-September 1. This moderate trip commences at Cedar Grove and takes two days to cross rugged Monarch Divide via 10,800-foot Kennedy Pass, and then, after a memorable view of the Black Divide and the canyon of the Middle Fork of the Kings, moves partially cross-country to enjoyable camps at Volcanic Lakes and Granite Lake terminating with the 5000-foot steep descent down Copper Creek Trail back to Cedar Grove. Kennedy Creek offers spectacular golden trout to the fishermen and there is ample adjacent country for layover day excursions.

(125) Twin Lakes—September 1-8. This fairly strenuous trip also departs Cedar Grove but proceeds through Paradise Valley past Castle Domes to the headwaters of a tributary of the South Fork of the Kings River near high country set aside for the preservation of the bighorn sheep. We return to Cedar Grove via Sixty Lakes Basin, Vidette Meadow and Bubbs Creek. The trip covers about 50 miles, crosses 12,000-foot Glen Pass, has camps in the 11,000-foot range and offers two layover days.

(126) Kaweah Country—September 8-15. This excursion into Sequoia National Park offers the striking western view of the Kaweah Range with the Whitney Crest as a backdrop. With our roadhead near Wolverton, a car shuttle will be involved but the pleasures of an extremely beautiful country, ending at Mineral King, make this trip a must for those who have not enjoyed this southwestern part of the Sierra Nevada. The trip is moderately strenuous, but has three layover days as partial compensation before our steep 5000-foot descent from 11,700-foot Sawtooth Pass viewing the proposed area of the Disney ski development. Leader, George Hall.

(127) Horseshoe Canyon-Cataract Canyon Boat-Light, Utah—September 14-25. Leader, Don Lyngholm, Box 998, Shiprock, New Mexico 87420.

This combination trip begins as a six-day High-Light and knapsack trip down Horseshoe Canyon in the Robbers' Roost country. We then go by raft for six days

to and through Cataract Canyon. Cutting through the heart of Canyonlands National Park, we have time to hike up to the Doll House and Surprise Valley and trace geological and archaeological history. The trip requires moderate fitness. Leader will screen applicants.

(128) Upper Escalante Canyons, Utah—September 20-27. Leader, Allen J. Malmquist, Box 388, Fredonia, AZ 86022.

The upper tributary canyons to the main Escalante Canyon in southern Utah are little-known or visited but just as spectacular as the popular areas far downstream. On three layover days we will explore both the deep, narrow canyons and the open, slickrock plateaus above. We will see cliff dwellings, natural bridges and waterfalls. This moderately easy trip can be run in conjunction with the Bryce Canyon High-Light described below.

(129) Under the Rim, Bryce Canyon Park-Dixie Forest, Utah—September 27-October 4. Leader, Allen J. Malmquist, Box 388, Fredonia, AZ 86022.

We will go off the south end of the Pausagunt Plateau in southern Utah into a rarely-visited wilderness of dense forests, meadows, and streams beneath the brilliant limestone towers and pinnacles along the rim. Trip will be moderately strenuous as we will move every day, but moves are short (6-8 miles), leaving time for exploring. Can be run in conjunction with Upper Escalante Canyon High-Light described above.

(130) Southern Arizona Desert—December 27-January 1. Leader, John Ricker, 2950 N. 7th St., Phoenix, AZ 85014.

The annual desert high-light trip will be in southern Arizona or nearby Mexico. The warm temperatures and dry weather will be a welcome change. Trip members will walk across open desert, scramble over rocky ridges and climb peaks. Four-wheel drive vehicles will carry supplies and equipment.

Saddle-Light Trips

(213) Kern Plateau, Inyo Forest, Sierra—June 21-28. Leader, Ken Henrikson, 119 Montclair Court, Los Gatos, CA 95030.

Enjoy the subtle beauty of southern Sierra forests and meadows in early summer. Layover days will allow ample time for fishing, hiking, trips of interest, as well as rest and relaxation. Even the steep trails are moderately easy and in excellent condition. Our highest crossing is Cottonwood Pass (11,200) between Horseshoe and Big Whitney Meadow. Riding experience is desirable, but not essential, since the horses will be suitably assigned. Personal dunnage is limited and the minimum age is 13 years.

(214) Flints Park, Canadian Rockies, Alberta—August 11-20. Leader, Neil Jones, 21109 Serene Way, San Jose, CA 95120.

Our base camp is located in the remote recesses of the Canadian Rockies, reached by a two-day horse ride. Each day you can ride to explore the beauty and wonders of these wilderness mountains. There is plenty of time to hike, fish, or swim. All necessities except sleeping equipment and personal items will be furnished. Dunnage is limited to 25 pounds. Minimum age is 13 years. Riding experience is not required. Rides will vary from 12 to 20 miles daily. Elevations generally are 6000 feet or more.

Sierra Club, 220 Bush St., San Francisco, Calif. 94104 Date _____

I have informed myself about the purposes of the Sierra Club and wish to support them. I hereby apply for membership and enclose \$_____ as total payment. (See schedule below.) Additional members other than spouse, please use separate forms.

Print Name(s) Mr.
Mrs.
Miss
Mr. & Mrs.

Print Mailing Address _____

Zip Code _____

Telephone Number _____ Birthdate _____

School (if student) _____

Signature of Applicant _____

Please allow four to six weeks for processing.

	Admission fee	Dues	Total
<input type="checkbox"/> Life	*	\$400.00	\$400.00
<input type="checkbox"/> Contributing	\$5.00	50.00	55.00
<input type="checkbox"/> Supporting	5.00	25.00	30.00
<input type="checkbox"/> Regular	5.00	15.00	20.00
<input type="checkbox"/> with spouse	5.00	23.00	28.00
<input type="checkbox"/> Junior (thru 14)	*	8.00	8.00
<input type="checkbox"/> Student (thru 23)	*	8.00	8.00
<input type="checkbox"/> with spouse	*	13.00	13.00
<input type="checkbox"/> Senior (60 and over)	5.00	8.00	13.00
<input type="checkbox"/> with spouse	5.00	13.00	18.00

Dues include subscription to the Sierra Club Bulletin (\$3.00), and chapter publications (\$1.00).

*Admission fee is waived for junior members, full-time students and life members.

Sierra Club, 220 Bush St., San Francisco, Calif. 94104 Date _____

I have informed myself about the purposes of the Sierra Club and wish to support them. I hereby apply for membership and enclose \$_____ as total payment. (See schedule below.) Additional members other than spouse, please use separate forms.

Print Name(s) Mr.
Mrs.
Miss
Mr. & Mrs.

Print Mailing Address _____

Zip Code _____

Telephone Number _____ Birthdate _____

School (if student) _____

Signature of Applicant _____

Please allow four to six weeks for processing.

	Admission fee	Dues	Total
<input type="checkbox"/> Life	*	\$400.00	\$400.00
<input type="checkbox"/> Contributing	\$5.00	50.00	55.00
<input type="checkbox"/> Supporting	5.00	25.00	30.00
<input type="checkbox"/> Regular	5.00	15.00	20.00
<input type="checkbox"/> with spouse	5.00	23.00	28.00
<input type="checkbox"/> Junior (thru 14)	*	8.00	8.00
<input type="checkbox"/> Student (thru 23)	*	8.00	8.00
<input type="checkbox"/> with spouse	*	13.00	13.00
<input type="checkbox"/> Senior (60 and over)	5.00	8.00	13.00
<input type="checkbox"/> with spouse	5.00	13.00	18.00

Dues include subscription to the Sierra Club Bulletin (\$3.00), and chapter publications (\$1.00).

*Admission fee is waived for junior members, full-time students and life members.

To Outing Participants...

During the course of the 1974 outing season we sent nearly 800 trip participants a comprehensive questionnaire dealing with all phases of their outing experience. We wanted an evaluation of our strengths and weaknesses to the end of providing outings participants a better experience. The results were gratifying. Almost 86% of our sample expressed satisfaction with their trip; only 4% had extensive criticisms. Between 30% and 40% of the respondents wanted more emphasis on activities associated with the trip—Club history, conservation efforts, nature study, basic camping skills and the like. We know what you want and we'll do our best to meet your expectations.

Because of increasing pressure on wilderness areas, we intend to start more of our 1975 trips in midweek. We asked about this scheduling feature and nearly 70% of the respondents stated they will still participate. Hopefully, midweek starting dates will not deter outings participants from signing up in 1975.

The sharp bite of inflation has been felt by the outing program and the Club. So 1975 trip prices are higher than those in 1974. Because of the Club's financial needs, we have been requested by the Board of Directors to generate additional revenues to support the Club's various conservation and environmental programs. Accordingly, an average of 3% of the 1975 trip prices represent this financial support.

Our leaders look forward to seeing you on the trails and rivers during 1975.

JERRY G. SOUTH
Outing Committee Chairman



This Outing Issue has been prepared with the assistance of Bill Busby, Evelyn Mitchell, Lise Mitchell, Betty Osborn, Lynne Simpson, Ruth Sumner, Laureen Woodruff and all subcommittee chairmen and trip leaders.

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1975 SIERRA CLUB OUTINGS

<i>Trip Number</i>	<i>Date</i>	<i>Trip Cost (Incl. Deposit)</i>	<i>Deposit</i>	<i>Leader</i>	
ALASKA					
2	Brooks Range Caribou Knapsack	June 15-July 4	525	50	Wilbur Mills
4	Alaska Wildlife to Hawaii Lush Greenery	June 23-July 9	435	50	Bill Huntley
6	Glacier Bay-West Chichagof Boat-Hike Trip	June 29-July 12	475	50	Chuck Johnstone
8	Wrangell Mountains Knapsack Trip	July 7-23	360	50	Doug Powell
10	Admiralty Island Canoe Trip	July 13-20	320	50	Sandy Sagalkin
12	Glacier Bay-West Chichagof Boat-Hike Trip	Aug. 17-30	475	50	Chuck Johnstone
BASE CAMP (Other Base Camps are listed under: Spring Trips, Knapsack, Ski Touring, Canoe-Kayak.)					
303	Anza-Borrego Easter Camp, California	March 23-29	130	25	Bob Miller
20	Smoky Mountains Photographers' Camp, N. Carolina	May 26-June 2	155	25	Dolph Amster
22	Natural History of Mono Basin, Sierra	June 21-28	155	25	Bob Miller
24	Sawtooth Mountains Climbing School, Idaho	June 22-28	160	25	Chuck Kroger
26	Sierra Nevada Natural Hist., Stanislaus Forest, Sierra	June 28-July 5	175	25	Dick May
28	Sawtooth Mountains Climbing School, Idaho	June 29-July 5	160	25	Chuck Kroger
30	Lily Creek, Stanislaus Forest, Sierra	July 6-18	165*	25	Dick May
32	Lost Lake Alpine Camp, Sequoia Park, Sierra	July 6-18	185	25	Bob Miller
34	Agate Springs, Rocky Mtn. Camp, Absarokas, MT	July 13-25	215	25	John Freiermuth
36	Devils Bathtub, Sierra Forest, Sierra	July 19-26	130**	25	Emily Benner
38	Pioneer Basin Alpine Camp, Sierra Forest, Sierra	July 20-Aug. 1	200	25	Sy Ossofsky
40	Lost Lake Alpine Camp, Sequoia Park, Sierra	July 20-Aug. 1	185	25	Steve Devoto
42	Devils Bathtub, Sierra Forest, Sierra	July 26-Aug. 2	130**	25	Emily Benner
46	Agate Springs, Rocky Mtn. Camp, Absarokas, MT	July 27-Aug. 8	215	25	Ed Miller
48	Palisades Mountaineering Camp, Inyo Forest, Sierra	Aug. 2-16	215	25	c/o Ray Des Camp
50	Chittenden Lake, Sierra Forest, Sierra	Aug. 3-15	200***	25	Joanne Barnes
51	Badger Lakes, Inyo Forest, Sierra	Aug. 3-15	200	25	Jerry Fritzsche
52	French Canyon Back Country Camp, Sierra Forest	Aug. 9-23	260	25	Ray Des Camp
53	Death Valley Christmas Camp, California	Dec. 21-30	160	25	Ray Des Camp
*Children under 12 \$140.					
**Children under 12 \$110.					
***Children under 12 \$175.					
BICYCLE					
55	400 Plus, Central Texas	June 8-14	110	25	Frank De Groot
56	Cape Cod, Massachusetts	June 22-28	145	25	Evelyn Jackson
57	Maui, Hawaii	July 14-28	555	25*	Paul Williams
58	Island of Hawaii	July 31-Aug. 18	570	25*	Paul DeWitt
*Per person deposit; includes Hawaii round-trip air fare.					
BURRO (Other Burro Trips are listed under Spring Trips.)					
304	Panamint Mountains, California	March 23-29	185	25	Dan Holmes
60	Chain Lakes, Yosemite Park, Sierra	July 2-9	125	25	Jack McClure
61	North Fork of the San Joaquin River, Sierra	July 9-16	125	25	Don White
62	Post Peak Pass, Sierra Forest, Sierra	July 16-23	125	25	Tom Pillsbury
63	Northern Yosemite Park, Sierra	July 28-Aug. 10	200	25	Ted Bradfield
64	Hawksbeak Peak, Toiyabe Forest, Sierra	Aug. 10-17	125	25	Doug Parr
65	Suicide Ridge, Yosemite Park, Sierra	Aug. 18-25	125	25	Brett White
66	Shepherd Crest, Yosemite Park, Sierra	Aug. 25-Sept. 1	125	25	Dan Holmes
FAMILY TRIPS (Other trips with family rates are listed under: Spring Trips, Base Camps.)					
Wilderness Threshold					
		<i>Parents and one child</i>	<i>Each addl. child</i>		
70	Gila Wilderness, Gila Forest, New Mexico	July 6-11	330 & 70	25	Marty & Bill Poston
71	Adirondack Mountains, New York	July 19-25	260 & 70	25	Ruth & Curran Flanagan
72	Nelson Lake, Yosemite Park, Sierra	July 23-30	360 & 80	25	Linda & Ed Best
73	Nelson Lake, Yosemite Park, Sierra	July 30-Aug. 6	360 & 80	25	Kay & Ben Anderson
74	Chamberlain Lakes, White Cloud Mountains, Idaho	July 30-Aug. 6	460 & 90	25	Nadine & Norton Hastings
75	Margaret Lakes, John Muir Wilderness, Sierra	Aug. 5-12	360 & 80	25	Ann & Doug Christensen
76	Chamberlain Lakes, White Cloud Mountains, Idaho	Aug. 6-13	460 & 90	25	Julianne & Robert Jones
77	Three Sisters Wilderness, Oregon	Aug. 6-13	405 & 85	25	Nancy & Jim McDonald
78	Sabrina Basin, Inyo Forest, Sierra	Aug. 9-16	360 & 80	25	Bliss & Allen Ream
79	Pioneer Basin Teen-Age, John Muir Wilderness, Sierra	Aug. 10-17	405 & 85	25	Joyce & Sid Alpert
84	Margaret Lakes Teen-Age, John Muir Wild., Sierra	Aug. 12-19	360 & 80	25	Ann & Jim Naylor
85	Three Sisters Wilderness, Oregon	Aug. 13-20	405 & 85	25	Sue & Bob Munn
86	North Silver Divide Country, Sierra	Aug. 20-30	485 & 100	25	Natalie & Dick Dickens
87	Sabrina Basin Teen-Age, Inyo Forest, Sierra	Aug. 20-30	425 & 95	25	Mimi & Don Curtin
88	Navajoland-Canyon De Chelly, Arizona	Aug. 24-30	325 & 70	25	Pat & Pete Greenwood

1975 SIERRA CLUB OUTINGS

Trip Number	Date	Trip Cost (Incl. Deposit)	Deposit	Leader	
Family Canoe					
93	Main Eel River Teen-Age Trip, Northern California	June 21-28	317 & 80	25	Ann & Peter Jones
94	Main Eel River Teen-Age Trip, Northern California	June 28-July 5	317 & 80	25	Joan & Bill Busby
95	Adirondack Lakes Teen-Age Trip, New York	July 27-Aug. 2	335 & 115	25	Lyle Seeger
96	Klamath River Teen-Age Trip, Northern California	July 27-Aug. 2	380 & 85	25	Judy & Paul Hacker
97	Klamath River Teen-Age Trip, Northern California	Aug. 10-16	380 & 85	25	Carol & Howard Dienger
98	Rogue River Teen-Age Trip, Oregon	Aug. 24-30	385 & 85	25	Barbara & Bill Bair
Family Knapsack					
100	Susquehannock Trail, Pennsylvania	July 12-19	285 & 65	25	Nan & Dave Porterfield
101	Blackcap Basin, John Muir Wilderness, Sierra	July 18-27	275 & 80	25	Vicky & Bill Hoover
102	Big Margaret Lake, Sierra Forest, Sierra	July 27-Aug. 4	265 & 75	25	Marcia & Rudy Kupfer
103	Lost Lakes, Minarets Wilderness, Sierra	Aug. 11-18	245 & 65	25	Jean & Jim Gilbreath
104	Gardiner Basin, Kings Canyon, Sierra	Aug. 20-Sept. 1	350 & 90	25	Carol & Howard Dienger

FOREIGN 1975* (Total cost is approximate and does not include air fare.)

607	Galapagos Islands, Ecuador	Feb. 27-Mar. 19	1135	50	Evelyn Mitchell
605	Kenya Game Viewing, East Africa	Mar. 1-28	1435	50	c/o Al Schmitz
608	Strawberry Fields Base Camp, Jamaica	Mar. 6-20	350	50	Dick Barton
612	Trisuli-Gatlang Natural History, Nepal	Mar. 21-Apr. 20	1310	50	Al Schmitz
616A	Walking in Scotland	May 29-June 13	485	50	John Ricker
617A	Walking in England's Westcountry	June 1-15	685	50	Lori & Chris Loosley
618	Arctic Circle	June 15-July 4	650	50	John Ricker
616B	Walking in Scotland	June 15-30	485	50	Lynne Simpson
617B	Walking in England's Westcountry	June 15-29	685	50	Jane & John Edginton
620A	Colombia-Peru Archaeological Trails	June 21-July 29	1160	50	Howard Mitchell
615	Israel and the Sinai Peninsula	June 23-July 23	850	50	Ron Eber
620B	Colombia-Peru Archaeological Trails	June 28-Aug. 5	1160	50	Ray Des Camp
624	Kashmir Himalaya Trek	July 17-Aug. 13	1375	50	Lynne & Doug McClellan
621	Kenya: Northern Frontier, East Africa	July 20-Aug. 16	1470	50	Ross Miles
622	Galapagos Islands, Ecuador (2 Groups)	July 31-Aug. 20	1160	50	Schultz & Anderson
630	Walking in Norway	Aug. 11-29	580	50	Raleigh Ellisen
017	Walking the Mathews Range, Kenya, East Africa	Sept. 7-Oct. 4	1500	50	Al Schmitz
635	Annapurna Circle Trek, Nepal	Sept. 27-Oct. 30	1300	50	Tris Coffin
642	Malaysia Dugout-Knapsack	Sept. 28-Nov. 1	1100	50	Doug McClellan
640	Kanchenjunga, Nepal	Oct. 25-Nov. 30	1450	50	Wayne Woodruff
647	Angel Falls, Venezuela	Nov. 8-23	1340**	50	Ted Snyder
033	Tassili N'Ajjer Camel Caravan, Algeria, Sahara	Nov. 13-Dec. 1	1325	50	Al Schmitz
648	Patagonia, Falkland Islands	Nov. 28-Jan. 3	1400	50	Harold Seielstad

*Per person deposit.

**Includes round-trip air fare from Miami.

FOREIGN 1976* (Total cost is approximate and does not include air fare.)

405	Ecuador	January-February (3 weeks)	1200	50	H. Stewart Kimball
410	Galapagos Islands, Ecuador	January-February (25 days)	1150	50	H. Stewart Kimball
415	Kenya Saddle & Game Viewing Trip (optional Blue Nile River Run, Ethiopia)	Jan. 29-Feb. 21 (Feb. 18-29)	1475	50	c/o Al Schmitz
425	Tasmania & New Zealand	February (4 wks.)	1300	50	Al Schmitz
430	Trisuli-Gatlang Valleys, Nepal	March	1450	50	Tris Coffin
435	Gurkha Himal, Nepal	April	1300	50	Bob Stout
438	A Spring Outing to Japan	April 17-May 15	1275	50	Tony Look
440	Central America Archaeological Trip	Mid-June-Mid-July (4 wks.)		50	Margaret & Ellis Rother
445	Northern Frontier District, Kenya	July 1-28		50	c/o Al Schmitz
450	Galapagos Islands, Ecuador	July (25 days)		50	Betty Osborn
455	South America Parks	July-August (4 weeks)		50	Howard Mitchell
460	Indonesia: Java, Bali, Sulawesi	July-August (5 weeks)		50	Ray Simpson
475	Hiking & Canoeing in Sweden and Swedish Lapland	July 22-Aug. 12		50	Mary & Ross Miles
480	Southwestern Greenland	August (15 days)		50	Jim Watters
485	Netherlands Afoot and Afloat	Sept. (3 weeks)		50	Ellis Rother
510	Kenya Mountains to the Sea (optional addition to Seychelles or Omo River, Ethiopia)	Sept. 30-Oct. 22 (Oct. 21-30)		50	Al Schmitz
515	Ganesh Himal-Gurkha Himal, Nepal	October (25 days)		50	Doug McClellan
520	Annapurna Circle, Nepal	November		50	John Edginton

*Per person deposit.

1975 SIERRA CLUB OUTINGS

<i>Trip Number</i>	<i>Date</i>	<i>Trip Cost (Incl. Deposit)</i>	<i>Deposit</i>	<i>Leader</i>	
HAWAII* (Other Hawaii Trips are listed under Spring Trips, Alaska, Bicycle, Underwater Exploration.)					
300	Kauai-Easter Family Trip	March 21-30	510**	25	Tannisse Rost
107	Maui	Aug. 18-27	530***	25	Jim Dodds
108	Island of Hawaii (Makai)	Dec. 22-31	545****	25	Pete Nelson
109	Island of Hawaii (Mauka)	Dec. 22-31	545****	25	Toni Weyman
*Per person deposit; includes Hawaii round-trip air fare.					
**Children under 12 \$440.					
***Children under 12 \$445.					
****Children under 12 \$450.					
HIGH-LIGHT (Other High-Lights are listed under: Spring Trips.)					
201	Southern Desert Ecology, Arizona	Feb. 9-15	150	25	John Ricker
302	Grand Canyon Monument-Tuckup Canyon, Arizona	Mar. 22-29	215	25	Ray Des Camp
401	Canyonlands, Utah	Apr. 19-26	195	25	Ray Des Camp
110	High Uintas Primitive Area, Utah	June 29-July 11	255	25	Allen Malmquist
111	Marble Mountains, Northern California	June 29-July 11	300	25	Roger Smith
112	Red Desert, Wyoming	July 5-11	350	25	Jim Richard
113	Woodchuck Country, Sierra Forest, Sierra	July 8-15	185	25	Charles Schultz
114	Blackcap-Red Mountain Basins, Sierra	July 16-23	190	25	Jerry South
115	Willmore-Jasper Parks, Canada	July 21-Aug. 1	280	25	Mary Lou & Al Combs
116	Teton Back Country, Targhee Forest, Wyoming	July 26-Aug. 2	200	25	Russ Hansen
117	Western Slope of The Tetons, Targhee Forest, Wyo.	Aug. 3-10	200	25	Russ Hansen
118	Mt. Robson-Jasper Parks, Canada	Aug. 3-14	285	25	Mary Lou & Al Combs
119	Mt. Zirkel Wilderness, Colorado (2 groups)	Aug. 3-15	295	25	C. Engberg & R. Hoops
120	Idaho Primitive Area, Payette Forest, Idaho	Aug. 3-15	310	25	Jeff Thompson
121	Yosemite-South, Sierra	Aug. 10-16	190	25	Don Parachini
122	Southern Sawtooth Primitive Area, Idaho	Aug. 11-21	285	25	George Hall
123	Eagle Cap Wilderness, Wallowa Mountains, Oregon	Aug. 16-23	185	25	Jim Angell
124	Monarch Divide, Kings Canyon Park, Sierra	Aug. 25-Sept. 1	195	25	John Edginton
125	Twin Lakes, Kings Canyon Park, Sierra	Sept. 1-8	195	25	c/o John Edginton
126	Kaweah Country, Sierra	Sept. 8-15	195	25	George Hall
127	Horseshoe Canyon-Cataract Canyon Boat-Light, Utah	Sept. 14-25	395	25	Don Lyngholm
128	Upper Escalante Canyons, Utah	Sept. 20-27	205	25	Allen Malmquist
129	Under the Rim, Bryce Canyon Park, Utah	Sept. 27-Oct. 4	205	25	Allen Malmquist
130	Southern Arizona Desert	Dec. 27-Jan. 1	130	25	John Ricker
KNAPSACK (Other Knapsack Trips are listed under Spring Trips, Alaska, Canoe-Kayak.)					
307	Unkar Basin, Grand Canyon, Arizona	March 16-22	85	25	Les Albee
308	Tanner-Hance Trails, Grand Canyon, Arizona	March 23-29	100	25	Bob Madsen
309	Island in the Sky, Saguaro Monument, Arizona	March 23-29	70	25	John Peck
311	South Bass Trail to Tapeats, Grand Canyon, Arizona	Mar. 29-Apr. 6	145	25	Tom Pillsbury
402	Kanab Canyon-Thunder River, Arizona	April 13-20	110	25	Norm Weeden
503	Southern Canyonlands, Utah	May 17-23	90	25	Frank Nordstrom
504	Paria Canyon, Arizona-Utah	May 25-31	80	25	Edith Reeves
135	Snowbound Uintas, Ashley-Wasatch Forests, Utah	June 10-19	135	25	Alan Schmierer
136	Exploring Escalante Canyon Leisure Trip, Utah	June 17-26	130	25	Helen & Larry Gaudreau
137	Mt. Izaak Walton, John Muir Wilderness, Sierra	June 20-28	83	25	Anne Fuller
138	Sierra Blanca, Southern New Mexico	June 22-28	105	25	John Colburn
139	Cranberry Back Country Leisure, West Virginia	June 28-July 5	110	25	Marilyn & Cliff Ham
140	Pecos Wilderness, New Mexico	June 29-July 5	96	25	Jerry Lobel
141	Shotgun Pass Sketch Trip, Sequoia Park, Sierra	June 29-July 9	104	25	Ellen Howard
142	Center Basin, Sequoia-Kings Canyon Parks, Sierra	July 3-13	104	25	Dan Holland
144	Mt. Yale, Collegiate Peaks, Colorado	July 4-12	120	25	Steve Ziman
145	Long Trail, Vermont	July 6-12	105	25	Dick Williams
146	Sierra Crest, Darwin to Abbot, Sierra	July 8-18	94	25	Jim Skillin
147	Miter Basin, Sequoia Park, Sierra	July 12-20	83	25	Larry Pohl
148	Flat Tops Wilderness, Colorado	July 13-19	105	25	Bill Murphy
149	Pellisier Flats, White Mountains, California	July 13-20	73	25	Eric Bergh
150	Mineral King Leisure Loop, Sequoia Park, Sierra	July 14-22	83	25	Mary Coffeen
151	Mount Woodworth, Kings Canyon Park, Sierra	July 14-25	115	25	Gordon Peterson
152	Old Tunemah Trail, Kings Canyon Park, Sierra	July 14-25	110	25	Jim Watters
153	Continental Divide, Glacier Park, Montana	July 15-23	120	25	Chuck Kroger
154	Mt. Challenger, Picket Range, North Cascades, Wash.	July 18-27	130	25	Susan Kollings
155	Lassen Leisure Loop, Lassen Park, Northern Calif.	July 19-26	73	25	Marion & Bob Berges
156	Grizzly Lake, Salmon-Trinity Alps, Northern Calif.	July 19-27	78	25	Earl Schnick
157	Adirondack Forest Preserve, New York	July 20-26	105	25	Walter Blank
159	Bridger Wilderness Leisure, Wyoming	July 20-26	105	25	Charles Engberg
161	Selway River Natural History and Ecology, Idaho	July 20-Aug. 2	220	25	Oz Hawksley
162	Mt. Zirkel Wilderness, Colorado	July 21-26	98	25	Bill Murphy

1975 SIERRA CLUB OUTINGS

Trip Number		Date	Trip Cost (Incl. Deposit)	Deposit	Leader
163	Turret Peak Photography, Sierra Forest, Sierra	July 25-Aug. 3	118	25	Tom Amneus
164	Lion Lake, Kings Canyon-Sequoia Parks, Sierra	July 26-Aug. 3	78	25	Bob Maynard
165	Appalachian Trail, Maine	July 27-Aug. 2	105	25	Frank Roberts
166	Baffin Island National Park, Canada	July 27-Aug. 14	845*	25	Keith Olson
167	Mount Williamson, Sequoia Park, Sierra	July 28-Aug. 8	105	25	Serge Puchert
168	Granite Hot Springs, Teton Forest, Wyoming	Aug. 1-6	78	25	Bob Wilkinson
169	Saddlebag Lake-Twin Lakes Leisure, Yosemite, Sierra	Aug. 1-9	85	25	Elmer Hazelton
170	Laurel Fork Leisure, Virginia-West Virginia	Aug. 3-9	105	25	Elihu Leifer
171	El Diente, San Miguel Range, Colorado	Aug. 4-13	115	25	Bob Berges
172	Isle Royale, Michigan	Aug. 4-13	200	25	Virginia Prentice
173	Bridger Wilderness, Wind River Range, Wyoming	Aug. 4-15	150	25	Lois Snedden
174	Chilliwack, North Cascades Park, Washington	Aug. 4-15	140	25	Dave Corkran
175	Olympic Peninsula Leisure, Olympic Park, Washington	Aug. 5-14	135	25	Sylvia Sears
176	Ice Lakes, Glacier Peak Wilderness, Washington	Aug. 8-15	100	25	Jane Rondthaler
158	Black Forest, Pennsylvania	Aug. 10-16	105	25	Ludwig Bohler
177	Mount Bonneville, Wind River Range, Wyoming	Aug. 11-21	125	25	Michael Fineman
178	Lost Canyon, Sequoia Park, Sierra	Aug. 14-23	90	25	Jerre Sears
179	Desert Alpine Ecological Transect, Inyo Forest, Sierra	Aug. 15-22	93	25	Sandy Knapp
180	Big Arroyo, Sequoia Park, Sierra	Aug. 16-24	73	25	Patrick Colgan
181	Wyoming Range Leisure Trip, Bridger Forest, Wyo.	Aug. 18-23	98	25	Larry Gaudreau
182	Art in the Sierra, Kings Canyon Park, Sierra	Aug. 18-24	90	25	Carlton McKinney
183	Athabasca Pass, Jasper Park, Canada	Aug. 18-29	170	25	Peter Bengston
184	Golden Hinde, Vancouver Island, B.C., Canada	Aug. 19-27	103	25	Helen & Ed Bodington
185	Goddard-Tehipite, Sierra Forest-Kings Canyon, Sierra	Aug. 22-Sept. 4	135	25	Bill Colvig
186	Toroweap Point, Grand Canyon, Arizona	Sept. 21-27	105	25	Don Campbell
187	Nankowep-Salt Trails, Grand Canyon, Arizona	Oct. 5-11	90	25	Don McIver
188	Navajo Canyons, Arizona	Oct. 12-18	95	25	John Ricker
189	Sierra del Carmen, Texas-Old Mexico	Dec. 27-31	100	25	Jack Burch
190	Grand Canyon, Arizona	Dec. 27-Jan. 1	95	25	Lester Olin

*Includes round-trip air fare from Montreal.

Mentally Retarded Adult Knapsack

191	Collegiate Peaks, Colorado	Aug. 4-8	93	25	Joie Hartman
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Juniors Knapsack

195	Kaiser Peak, Sierra Forest, Sierra	June 15-21	70	25	Lynne McClellan
196	Hoodoo Basin, Yellowstone, Wyoming	June 18-27	140	25	Susan Kollings
197	Kaiser Peak, Sierra Forest, Sierra	June 23-29	70	25	Lynne McClellan
198	Little Claire Lake, Sequoia Park, Sierra	July 5-13	85	25	Sherri Brainard
199	Cathedral Range, Yosemite Park, Sierra	July 8-14	70	25	Elliott Smith
202	Electra Peak, Yosemite Park, Sierra	July 13-20	75	25	Patrick Colgan
203	Little Claire Lake, Sequoia Park, Sierra	July 17-24	85	25	Sherri Brainard
204	McGee Pass, John Muir Wilderness, Sierra	July 17-27	110	25	Raleigh Ellisen
205	Caribou Lake, Trinity Alps, Northern California	July 26-Aug. 3	85	25	Leslie & Gary Young
206	Tower Peak, Yosemite Park, Sierra	Aug. 2-10	90	25	Vicky & Bill Hoover
207	Vee Lake, John Muir Wilderness, Sierra	Aug. 4-12	90	25	David Neumann
208	Kuna Crest, Yosemite Park-Inyo Forest, Sierra	Aug. 19-27	85	25	Ann Peterson
209	Thunder Mountain, Sequoia-Kings Canyon, Sierra	Aug. 24-Sept. 1	95	25	Ellen & Jim Absher
210	Mount Barnard, Sequoia Park, Sierra	Aug. 25-Sept. 1	85	25	Judy & Pete Nelson

SADDLE-LIGHT (Other Horseback Trips are listed under Spring Trips, Water-Raft Trips.)

213	Kern Plateau, Inyo Forest, Sierra	June 21-28	375	25	Ken Henrikson
214	Flints Park, Canadian Rockies, Alberta, Canada	Aug. 11-20	430	25	Neil Jones

SERVICE* (Other Service Trips are listed under: Spring Trips.)

Clean-Up Projects

215	Hells Canyon of Snake River Historical Restoration, Oregon-Idaho	June 28-July 9	60	25	Don Coppock
216	Kearsarge Pass, John Muir Wilderness, Sierra	June 30-July 10	50	25	Bruce Kingsley
217	Collegiate Peaks Backpack, Sawatch Range, Colorado	July 1-11	50	25	John Stansfield
218	Teton Wilderness Backpack, Wyoming	July 17-27	50	25	Don Coppock
219	Golden Trout Wilderness Restoration, Montana	July 17-27	50	25	Bruce Kingsley
227	Grimsley Park Wilderness Restoration, Montana	Aug. 1-12	60	25	Don Coppock
228	Red Peak Pass Backpack, Yosemite, Sierra	Aug. 7-17	50	25	Margi Rusmore
229	Parker Lake Plane Wreck Backpack, Minarets, Sierra	Aug. 15-27	60	25	Kelly Runyon
230	White Mountains, New Hampshire	Aug. 17-23	52	25	Marysue Naegele
231	Chain/Royal Arch Lakes Backpack, Yosemite, Sierra	Aug. 20-Sept. 2	50	25	Jon Wellman
232	Mammoth Cave, Kentucky	Dec. 27-Jan. 3	50	25	Joe Davidson

1975 SIERRA CLUB OUTINGS

Trip Number		Date	Trip Cost (Incl. Deposit)	Deposit	Leader
Special Projects					
233	The Olympic Sherpa, Washington	June 28-July 17	65	25	Bill Reeve
234	Talchako Lodge Work Project, B.C., Canada	June 29-July 11	60	25	Alan Schmierer
235	The Olympic Sherpa, Washington	July 20-Aug. 8	65	25	Bill Reeve
236	The Olympic Sherpa, Washington	Aug. 11-Sept. 2	65	25	George Smith
237	Olympic Park Wilderness Research Project, Wash.	Aug. 26-Sept. 4	50	25	Kevin Ahern
Trail Maintenance Projects					
301	High Uintas Knapsack Project, Utah	March 22-29	45	25	Alan Schmierer
238	Pacific Crest Trail, Tahoe Forest, Sierra	June 30-July 10	50	25	George Smith
239	Piute Pass, John Muir Wilderness, Sierra	July 15-25	50	25	Mike Bade
240	Weminuche Wilderness, San Juan Range, Colorado	July 17-27	50	25	John Stansfield
241	Krebs Creek/Chain Lakes, High Uintas, Utah	July 20-30	50	25	Jon Wellman
242	Deep Creek, Teton Ranger District, Montana	July 20-30	50	25	Alan Schmierer
243	Deer Lake, Spanish Peaks, Montana	July 29-Aug. 8	50	25	Bruce Kingsley
244	Siberian Pass, Sequoia Park, Sierra	July 31-Aug. 20	65	25	Mike Bade
245	Deep Creek, Teton Ranger District, Montana	Aug. 1-11	50	25	Sleppy & Johnson
246	Harrison Lake Backpack Selkirk Range, Idaho	Aug. 3-14	50	25	Alan Schmierer
247	Piute Pass, John Muir Wilderness, Sierra	Aug. 16-26	50	25	Steve Silverman
248	Wahoo Pass, Selway-Bitterroot Wilderness, Idaho	Aug. 21-31	50	25	Brian O'Regan
*Per person deposit.					
SKI TOURING (See Spring Trips.)					
200	Cross-Country Ski, Rocky Mountain Park, Colorado	Feb. 2-7	80	25	Kurt Newton
400	Rock Creek Alpine Base Camp, Sierra	Apr. 5-12	135	25	Sy Ossosfsky
UNDERWATER EXPLORATION*					
317	Virgin Islands	July 10-21	620**	50	Bob Sextro
255	Maui and Lanai, Hawaii	July 24-Aug. 4	665***	50	Kent Schellenger
256	Kona Coast, Hawaii	Aug. 5-14	730****	50	Kent Schellenger
257	Baja California Marine Biology, Mexico	Aug. 17-22	320	50	Steve Webster
*Per person deposit.					
**\$160 additional for divers and student divers.					
***Includes Hawaii round-trip air fare; persons joining in Hawaii \$365; divers and students \$150 additional; children under 12 \$595.					
****Includes Hawaii round-trip air fare; persons joining in Hawaii \$440; divers \$100 additional; children under 12 \$660.					
FOREIGN UNDERWATER EXPLORATION* (Total cost is approximate and does not include air fare.)					
686	Galapagos Islands, Ecuador	June 12-July 5	1680**	50	Lou Barr
683	Grand Cayman, British West Indies	June 15-26	700***	50	Webster & Schellenger
685	Grand Cayman Tropical Reef Biology, B.W.I.	June 27-July 8	700***	50	Steve Webster
*Per person deposit.					
**\$1380 for non-divers.					
***\$575 for non-divers.					
WATER TRIPS					
River Raft (Other River Raft Trips are listed under Spring Trips, High-Lights.)					
500	Grand Canyon Oar Trip, Arizona	May 4-15	545**	50*	Rouen Faith
502	Main Salmon Highwater Raft-Horseback, Idaho	May 18-23	325	25	Kurt Menning
260	Grand Canyon Oar Trip, Arizona	May 21-June 1	560**	50*	Tris Coffin
261	North Platte Wilderness, Wyoming	June 12-18	220	25	Jim Richard
262	Hells Canyon of the Snake River, Idaho	June 14-19	325	25	George Roush
263	Yampa-Green Rivers, Colorado-Utah	June 17-20	205	25	Herb Graybeal
264	San Juan River, Utah	June 17-22	255	25	Blaine Le Cheminant
265	Rogue River, Oregon	June 23-27	205	25	Wes Farrand
266	Lodore Canyon-Green River, Utah	June 24-27	205	25	Herb Graybeal
267	Westwater-Cataract Canyon Raft-Hiking, Utah	June 24-30	395	25	Rolf Godon
268	Rogue River, Oregon	July 7-11	205	25	Dawn Cope
269	Middle Fork Salmon River, Idaho	July 10-15	375	25	Lynn Dyche
270	Grand Canyon Oar Trip, Arizona	July 13-24	560**	50*	Frankie Strathairn
271	Middle Fork and Main Salmon Combination, Idaho	July 18-28	675	50	Martin Friedman
272	Main Salmon River Raft-Horseback, Idaho	July 28-Aug. 6	610	50	Rouen Faith
273	Grand Canyon Oar Trip, Arizona	July 30-Aug. 10	560**	50*	Russell Snook
274	Middle Fork Salmon River, Idaho	Aug. 3-8	375	25	Anna Stedina
275	Rogue River, Oregon	Aug. 11-15	205	25	Harry Neal

1975 SIERRA CLUB OUTINGS

Trip Number	Date	Trip Cost (Incl. Deposit)	Deposit	Leader	
276	"River of No Return" Main Salmon, Idaho	Aug. 16-21	325	25	John Barnard
277	Grand Canyon Oar Trip, Arizona	Aug. 16-27	560**	50*	Blaine Le Cheminant
278	Chilcotin-Fraser Rivers, B.C., Canada	Aug. 17-26	670	50*	Monroe Agee
279	Middle Fork of the Salmon River, Idaho	Aug. 19-24	375	25	Harry Neal
280	Hells Canyon of the Snake River, Idaho	Aug. 25-30	325	25	Frank Hoover

*Per person deposit.

**Round-trip from Flagstaff, Arizona.

Canoe-Kayak (Other Canoe-Kayak trips are listed under Spring Trips, Alaska.)

306	Okefenokee-Satilla-Suwannee Rivers, Georgia	March 23-30	140	25	Tom Bullock
282	St. John River Scouting Trip, Maine	May 29-June 7	175†	25	Carl Denison
283	Buffalo River, Arkansas	June 1-7	140†	25	Harold Hedges
284	South Appalachian White-water Base Camp, Georgia-North Carolina-South Carolina	June 7-14	130	25	Bill Heath
285	Eleven-Point River Leisure Trip, Missouri	June 8-14	140†	25	Jackie Kerr
286	Scenic Rivers, Wisconsin-Minnesota	June 15-21	150†	25	John Wheeler
287	San Juan Islands, British Columbia, Canada	June 17-24	150	25	Ross Miles
288	Quetico Superior Leisure, Minnesota-Ontario	June 22-July 5	275†	25	Stu Duncanson
289	Upper Missouri River, Montana	July 1-6	93	25	Ellen & Bob Wilkinson
290	Delaware River, New York-Penna.-New Jersey	July 13-19	160†	25	Frank Springman
291	Klamath River, Northern California	July 13-19	155†	25	Judy Hacker
292	Snake River, Grand Tetons, Wyoming	Aug. 3-9	165	25	Frankie Strathairn
293	Kipawa Reserve Exploration, Quebec, Canada	Aug. 3-15	195	25	Dick Williams
294	Willamette River, Oregon	Aug. 17-23	155	25	Ann Dwyer
295	Kipawa Reserve, Quebec, Canada	Aug. 17-27	205	25	Mike Maule
296	Allagash Wilderness Waterway, Maine	Aug. 18-28	280†	25	Tony Josepher
297	Niobrara River, Nebraska	Sept. 28-Oct. 4	150†	25	Ron Kurtzer
298	Rio Grande Canyons, Texas	Oct. 18-25	105	25	John Baker
299	Boquillas Canyon Canoe-Knapsack, Texas	Nov. 23-29	90	25	David Hollingsworth

†Canoes included in trip cost.

BOAT TRIPS* (Other Boat Trips are listed under Spring Trips, Alaska.)

325	Sea of Cortez Leisure, Mexico	Mar. 23-30	495**	50	Monroe Agee
501	Puerto Vallarta, Mexico	May 5-17	***	50	Ellis Rother
328	Puerto Vallarta, Mexico	Nov. 3-15	****	50	Ellis Rother

*Per person deposit.

**From San Diego.

***About \$560 from Los Angeles, about \$520 from San Antonio and about \$410 from Puerto Vallarta.

****About \$590 from Los Angeles, about \$550 from San Antonio and about \$440 from Puerto Vallarta.

DONATIONS NEEDED FOR CUTTER'S LIST

Generations of Sierra Club wilderness outings participants have enjoyed and utilized the sensible, sometimes humorous advice of Dr. Robert K. Cutter in his well-known "Light-Weight Outing Equipment" brochure. It is available to all Club members free of charge and is used as the equipment checklist for those participating in wilderness outings. It is sold in sporting goods stores across the country (purchased from the Sierra Club for a nominal fee).

To carry on this project which Dr. Cutter generously financed and edited, donations are being requested in Dr. Cutter's memory. Proceeds from this special memorial fund will be used to carry on his work and to insure the continuation of Cutter's List. Donations are fully tax deductible, and should be sent to: The Cutter Memorial Fund, c/o Sierra Club Foundation, 1050 Mills Tower, San Francisco, California 94104.

Sierra Club Trip Reservations

WHO IS ELIGIBLE?

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. Children under 12 need not be members.

RESERVE SPACE EARLY

First come, first served is the general rule. However, this may not apply when acceptance by the leader is required (based on applicant's experience, physical condition, etc.); 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.

One reservation form should be filled out for each trip by each individual. However, husband and wife may use a single form and a family (parents and children under 21) may also use a single form. Mail your reservation together with the required deposit to the address below.

ONE-PRICE POLICY

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

CANCELLATIONS

If you must cancel a reservation or space on a waiting list, write promptly. It may save you money, and enable someone else to go on the trip.

REFUNDS

Reservation deposits are refundable only: (1) if a vacancy does not occur or if you cancel from a waiting list; (2) if your reservation is not accepted; (3) if the Sierra Club must cancel a trip. Any other refunds are subject to the conditions listed for your trip.

NORTH AMERICAN TRIPS

Send \$25 for each individual or family reservation; some trips may require a larger deposit, which are noted in this *Bulletin*. The deposit is applied to the total trip price, and is non-refundable except as described above.

Full payment is due 90 days before departure. Payments for trips requiring 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 following cancellation of a confirmed reservation (less the non-refundable deposit) are made as follows: (1) Full payment up to 60 days before departure; (2) During the 60 days before departure, refund is 90% of payment after deduction of deposit. The date cancellation is received by the Outing Office (not the mailing date) will govern. No refund will be made if you are a "no show" at the roadhead or if you leave during a trip.

Transfer fee: If you have a confirmed reservation, a \$25 fee will be charged to transfer it to another trip.

No transfer fee: If your application is still pending the leader's acceptance, or if you are on a waiting list.

FOREIGN TRIPS

Send \$50 per person deposit with your reservation; there are no "family reservations" on foreign trips. The deposit is applied to the total price and with few exceptions is non-refundable. An additional payment of \$200 per person is due 6 months before departure; full payment is due 90 days before departure. Payments for trips requiring the leader's acceptance are due at the same times, regardless of your status. You will be billed before the due dates. If payment is not received on time, your reservation may be cancelled.

Refunds following cancellation of a confirmed reservation: (1) Six months or more before departure, refund is of all payments made (less the \$50 per person non-refundable deposit); (2) If you cancel within 6 months of departure and the vacancy is filled from the waiting list, the same refund will apply; but if no replacement is available, costs and overhead will be deducted from your total payment. The date your cancellation is received by the Outing Office (not the mailing date) will govern.

Transfer of a confirmed reservation from a foreign trip is treated as a cancellation.

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 contact the trip leader for assistance in forming car pools on a shared-expense basis or to use public transportation. The Outing Office does not make transportation arrangements.

MEDICAL PRECAUTIONS

On a few trips a physician's statement of your physical fitness may be needed. A physical check-up is always advisable and special inoculations may be required for foreign travel. Check with a physician regarding immunization against tetanus.

EMERGENCY CARE

If the leader decides that you must leave the trip for physical reasons, the club will try to arrange evacuation—but the cost (helicopter, etc.) as well as the medical care beyond first aid, are your own responsibility. Medical and evacuation insurance is advised as the club does not provide this coverage. Professional medical assistance is not ordinarily available on trips.

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 and firearms are not allowed and pets are not accepted 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., 220 Bush St., San Francisco, CA 94104

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 <u>YOUR</u> 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 <u>YOUR</u> 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.							
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4.							
5.							
6.							

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



CHRISTIAN HANSEN

KNAPSACK TRIPS

Knapsackers enjoy a wider choice of camps and routes than any other type of outing—and at less cost. Most important according to veteran knapsackers, the trips are physically challenging.

Our trips wherever they may go can be called small expeditions, inspiring a sense of discovery through bold, innovative route finding and nature appreciation plus a mountaineering flavor. Most trips in the West favor high elevations and cross-country hiking. Trails in the eastern mountains tend to be steeper and even rougher than in the West but elevations are usually not as high. All trips allow layover days or half-day stopovers.

Every trip member is expected to bring his backpack, sleeping bag, shelter and essential personal clothing and equipment. This gear with backpack is strictly limited to 20 pounds. Food is provided which could add as much as 20 pounds more to your pack load.

All outings are cooperative, and everyone pitches in not only for the cooking, but for lending a hand setting up camp, hauling water, scrubbing pots and keeping impact down. Often food caches are arranged to lighten loads.

Knapsacking is strenuous, and these trips are not for the first-time-out beginner. However, you can be quali-

fied for one of the less demanding trips by going on weekend knapsacks prior to your chosen trip. Minimum age on all but the juniors and family knapsack trips is sixteen unless otherwise indicated.

The demands of knapsacking require that the leader approve each applicant before final acceptance on a Sierra Club trip. Knapsack trips vary in difficulty and are described in the write-ups as leisure (or leisurely), moderate or strenuous by the leaders themselves. Ratings, which are amplified in the supplementary announcement reflect total miles, cross-country terrain, total climb and elevations. Optional recreation and seasonal weather are not so easily measured but will have an effect. Applicants should consider that early season trips in high mountains tend to be more adventurous because of snow and full streams. Fall outings usually enjoy cooler temperatures.

Moderate trips and even leisurely ones may have strenuous hours; not all obstacles can be foreseen. Not all trips will be scouted in entirety. Knapsack trips are flexible, open to surprises; uncertainty is part of the fun.

Knapsacking is becoming popular for a reason other than cost and freedom of travel. Knapsackers, made aware, are best equipped to use the land without leaving

a lasting mark on it. Experienced leaders perform the important role of demonstrating the techniques of travel that do most to protect our wilderness from misuse. Our trips are training outings in impact awareness and for treading lightly on fragile ground. Leaders are as careful how they camp and travel as they are concerned for the safety of the trip members.

Leisure, Moderate and Strenuous are terms which the leader tries to bring out in his description of the trip. Leisure trips are typified by relatively easy mileages and frequent layover days; about 25-30 miles may be covered in a week of four to five hiking days. Moderate trips are longer, about 35-55 miles in a week; they offer tougher climbing and stress exploration and route finding. Strenuous trips may cover from 50-70 miles per week and feature more of cross-country travel and novel routes. To help you choose the right trip ask the outing office for the leader's supplement.

(135) Snowbound Uintas, Ashley-Wasatch National Forests, Utah—June 10-19. Leader, Alan Schmierer, 231 Erica Way, Portola Valley, CA 94025.

Moderately strenuous backpacking and simple mountaineering in the unique Uinta Range, a colorful east-west chain of secluded, glacier-scoured lake basins, dense aspen groves, and stark peaks over 13,000 feet. Expect the chill of snow as we cross spectacular cols shared with bighorn sheep, contrasted by easy routes through verdant meadows and incredible gorges. Frequent cross-country jaunts hold promise for adventure.

(136) Exploring Escalante Canyon Leisure Trip, Utah—June 17-26. Leaders, Helen & Larry Gaudreau, 710 S. Alton Way, Denver, CO 80231.

The goal of this leisure trip will be the development of the necessary survival skills needed to cope with hot dry climates. Hopefully the acquired knowledge will give self-satisfaction coping with the heat. As many side canyons will be explored as time and energy in the hot sun will allow with only the water in the river to cool one's feet.

(137) Mount Izaak Walton, John Muir Wilderness, Sierra—June 20-28. Leader, Anne Fuller, 233 Shady Ln., Apt. 32, El Cajon, CA 92021.

This moderate, early season trip will begin and end at McGee Creek. We plan to circle Silver Divide mostly on trail (sometimes snow-covered) taking two layover days for rest and exploration of the Sierra springtime. The uncertainties of snow conditions place a premium on adaptability and experience and may cause some re-routing.

(138) Sierra Blanca, Southern New Mexico—June 22-28. Leader, John Colburn, 1501 Lomaland #242, El Paso, TX 79935.

Trails traveled by Geronimo and Billy the Kid, America's southernmost timberline mountain, and travel through life zones from upper sonoran to arctic-alpine are highlights of this moderately strenuous trek. Days will average six miles with 2000 to 3000 feet of elevation change over trails, with some cross-country travel, usually above 8000 feet. Layovers will allow time for fishing, photography, nature study, and exploration as well as rest and relaxation.

(139) Cranberry Back Country Leisure, Monongahela Forest, West Virginia—June 28-July 5. Leaders, Marilyn and Cliff Ham, 4723 Wallingford St., Pittsburgh, PA 15213.

Families, teen-agers, and older hikers are welcome to this leisurely backpack stressing familiarity with an

Eastern wilderness. Out-of-doors capability will be strengthened through cross-country treks, map reading, orienteering, and survival skills practice, campfire cooking and baking, and searches for edible wild plants. Previous backpacking will be a help, especially on the two days when we must ascend 2000-foot ridges. Minimum age: 8 if accompanied by an adult, otherwise 14.

(140) Pecos Wilderness, New Mexico—June 29-July 5. Leader, Jerry Lobel, 7517 E. McDonald Dr., Scottsdale, AZ 85253.

The Truchas Lakes and peaks in the heart of the Pecos Wilderness include some of the most spectacular high country in the Sangre de Cristos. A moderately strenuous hike will take us into a beautiful camping area near Truchas Lakes. After a little fishing, climbing on Truchas Peak (13,103 feet) and possibly some photography of the abundant wildlife, we will go cross-country over passes (approx. 2000 feet) into the Rio Quemado Basin and possibly Trampas Lakes.

(141) Shotgun Pass Sketch Trip, Sequoia Park, Sierra—June 29-July 9. Leader, Ellen Howard, 535 Morey Dr., Menlo Park, CA 94025.

Moderate to strenuous moving days are planned to enable us to cover more ground and see more country. Emphasis is on enhancement of wilderness experience through sketching in the general sense: it could include writing as well as drawing, painting, photography. Two layovers are planned. We will travel through forest, high open meadows near lakes and peaks along the Great Western Divide.

(142) Center Basin, Sequoia-Kings Canyon Parks, Sierra—July 3-13. Leader, Dan Holland, 78 Alta Vista, Mill Valley, CA 94941.

The high country south of the Kings-Kern Divide is marked by gentle 11,000-foot lake basins surrounded by noteworthy peaks, some easy, some challenging. By contrast the north side is characterized by deep valleys and high passes. With a cache to lighten the crossing of Shepherd Pass we will enter this granite splendor for a moderate 11-day circle of the divide. Three layover days are planned within reach of the nearby summits.

(144) Mt. Yale, Collegiate Peaks, Gunnison and San Isabel Forests, Colorado—July 4-12. Leader, Steve Ziman, Apt. G-7, Helmsdale Circle, New Castle, DE 19720.

The area west of Buena Vista contains a half dozen peaks over 14,000 feet near flowered meadows, beaver ponds and swift streams. The trip will be strenuous, cover 55 miles, all above 10,500 feet and have average altitude gains of 1500-2000 feet daily. There will be some cross-country travel and three divide crossings. A layover day or two are planned.

(145) Long Trail, Vermont—July 6-12. Leader, Dick Williams, P.O. Box 374, Montvale, NJ 07645.

Traversing the area between Middlebury Gap and the point where the Appalachian Trail and the Long Trail part company, we will hike through Gifford Wood State Park, and see spectacular views, especially from Mt. Killington.

(146) Sierra Crest, Darwin to Abbot, Sierra—July 8-18. Leader, Jim Skillin, 3756 Sundale Rd., Lafayette, CA 94549.

Cross-country routes in John Muir Wilderness from northernmost Kings Canyon National Park to Mono Divide go high above Muir Trail to reach 13,000-foot peaks of Evolution group, to cross Glacier Divide



SIERRA CLUB PHOTO

above 12,000 feet, and to skirt more lakes above 11,000 feet than you can count. Only excuse for dropping below 10,000 will be impassable snow on higher routes. Steep and loose rock slopes make this a more-than-moderate trip.

(147) Miter Basin, Sequoia Park, Sierra—July 12-20. Leader, Larry Pohl, 16265 Greenridge Ter., Los Gatos, CA 95030.

High windy plateaus, lush meadows and rockbound lakes south of Mt. Whitney will be the focus of this moderate trip starting from an eastern roadhead. We will skirt the eastern rim of the Kern River canyon and work north towards the high lakes beneath Whitney and into peak-enclosed Miter Basin. Rugged terrain will require experienced knapsackers.

(148) Flat Tops Wilderness, Colorado—July 13-19. Leader, Bill Murphy, 54 Bellmore Ave., Point Lookout, NY 11569.

This moderately strenuous outing explores the high plateau country in northwest Colorado, traveling from 8-10 miles per day. Much of the time we'll be in flower-filled meadows at timberline. The character of these mountains, entirely different from the Mt. Zirkel Wilderness, and the trip dates, make this an ideal sister trip to the July 21 Knapsack Trip 162.

(149) Pellisier Flats, White Mountains, California—July 13-20. Leader, Eric Bergh, 253 Blossom Way, Hayward, CA 94541.

This trip will explore the rarely-visited northern end of the White Mountains, on the California-Nevada Border. From Pellisier Flats we will have views of the Central Sierra, towering 6000 feet above Owens Valley.

We will travel cross-country over fairly rugged terrain, but the moves will be short with time for exploring.

(150) Mineral King Leisure Loop, Sequoia, Sierra—July 14-22. Leader, Mary Coffeen, 851 Amador, Claremont, CA 91711.

Lakes, cascades, high granite overlooks fringed with foxtail pines, meadows and forests, this is the wilderness southeast of Sequoia Park we would add to the park. Come explore with a naturalist; see for yourself. Timed for wildflowers means, alas, mosquitos too! Travel over rock, in forest and brush limits us to experienced hikers wanting a closer look at the natural world.

(151) Mt. Woodworth, Kings Canyon Park, Sierra—July 14-25. Leader, Gordon Peterson, 1776 Vining Dr., San Leandro, CA 94579.

Mt. Woodworth is formed by the deep canyons of Disappearing Creek, Goddard Creek, and the Middle Fork of the Kings River. First climbed in 1895, it still dominates a region in the Sierra that has seldom felt the knapsacker's presence. Everyone must be prepared for a vigorously active day or two and some unknown cross-country unsuitable for the fainthearted.

(152) Old Tunemah Trail, Kings Canyon Park, Sierra—July 14-25. Leader, Jim Watters, 600 Caldwell Rd., Oakland, CA 94611.

The historic Tunemah Trail is now so faint we'll do well to find any of it. The choice of the adventurous, ours is a north-to-south high alpine outing of twelve days, beginning at Florence Lake in Sierra National Forest and ending at Copper Creek in Kings Canyon.

DAVID KOBE



Expect a vigorous mix of cross-country travel, with camps strategic for peak scrambling.

(153) Continental Divide, Glacier Park, Montana—July 15-23. Leader, Chuck Kroger, Box 332, Lakeside, MT 59922.

This strenuous trip covers 60 miles (25 off trail), crosses 6 passes, 3 glaciers, and one major river. We will traverse near the Continental Divide from Logan Pass to Red Eagle Pass. After spending a night at Sperry Chalet, those interested may climb Mt. Jackson or Blackfoot Mtn. on the layover day. At the end we will descend Coal Creek for 3 days (excellent fishing) and ford the Middle Fork of the Flathead River.

(154) Mt. Challenger, Picket Range, North Cascades, Washington—July 18-27. Leader, Susan Kollings, 3181 Waverley St., Palo Alto, CA 94306.

The Pickets are a most remote and spine-tingling range. Close to the Canada border within North Cascades National Park, glaciers, cold spires and faces, and misty towers comprise the Fury and Terror groups. Within rises Mt. Challenger. Our ten-day trek approaches the Pickets through forests and meadows followed by many days on snow and ice. Two layover days enable climbs including glacier travel. Experienced mountaineers will enjoy this somewhat strenuous cross-country trip.

(155) Lassen Leisure Loop, Lassen Park, Northern California—July 19-26. Leaders, Marion and Bob Berges, 974 Post St., Alameda, CA 94501.

A relaxed trip over the gentle country in the eastern section of the park during what should be the best summer weather. Three layover days can be spent fishing, loafing or exploring the remnant volcanic features. Starting point will be Butte Lake.

(156) Grizzly Lake, Salmon-Trinity Alps Wilderness, Northern California—July 19-27. Leader, Earl Schnick, 585 Fourth Ave., Redwood City, CA 94063.

From Dedrick, the trail winds along Canyon Creek to Canyon Creek Lakes. Our route continues cross-country up the precipitous slopes of 9000-foot Thompson Peak,

for panoramic views of Mt. Shasta, the surrounding peaks, and our next campsite on Grizzly Lake. Our route continues over Sawtooth Ridge to Sapphire and Emerald lakes, and down Stuart Fork Trail to a car shuttle. Three layover days.

(157) Adirondack Forest Preserve, New York—July 20-26. Leader, Walter Blank, 257 Dutchess Turnpike, Poughkeepsie, NY 12603.

A trip through a different section of the high peak area of the Adirondack Forest Preserve. We will climb in the Seward Range, and also visit Duck Hole, the Cold River and the Rondeau Hermitage. The trip will be climaxed by a climb up Santanoni which has one of the finest views of the Adirondacks. All of the climbs are on relatively trailless peaks. Searching for trails and routes will be a major part of this trip.

(159) Bridger Wilderness Leisure, Wyoming—July 20-26. Leader, Charles Engberg, 6906 Birchton Ave., Canoga Park, CA 91304.

Exploring the spectacular headwaters of the Green River, this leisure trip is all on good trails. We will be in an area of unique mountain peaks, lovely lakes and streams, with abundant flowers, at elevations from 8000 to 11,500 feet. A naturalist will accompany us. Two layover days will permit exploration of scenic tundra in the Green River Mountains.

(161) Selway River Natural History and Ecology, Idaho—July 20-August 2. Instructor-leader, Oz Hawksley, Rt. 5, Box 4, Warrensburg, MO 64093.

This knap-lite trip uses a 10-man raft to carry equipment while participants carry personal gear down 50 miles of river trail from Whitecap Creek to Selway Falls. Base camps will be set up at study areas. Emphasis will be on aquatic and adjacent terrestrial ecology of this gem among wilderness rivers as well as the effects of human impact. Although the river is much in demand for its whitewater boating and excellent fishing, the Selway still has abundant wildlife such as moose, beaver, (shy) black bear, osprey and puma. Credit if desired.

(162) Mount Zirkel Wilderness, Colorado—July 21-26. Leader, Bill Murphy, 54 Bellmore Ave., Point Lookout, NY 11569.

Rugged peaks, rushing streams, quiet lakes and heavy timber characterize this superb hiking area in the northern Colorado Rockies. Alpine flowers color the meadows and snow banks linger in the shadows. This strenuous outing will move six to eight miles daily, some cross-country, and be at ten to twelve thousand feet, with elevation changes of 1000-2000 feet typical.

(163) Turret Peak Photography, Sierra Forest, Sierra—July 25-August 3. Instructor, Bruce Barnbaum. Leader, Tom Amneus, 2440 Yosemite Dr., Los Angeles, CA 90041.

This leisurely-paced trip is for knapsackers who want to improve their photographic skills while exploring lakes and enjoying the fine panoramic view from Turret Peak. Three planned layover days and short cross-country moves will provide time for instruction by a winner of the Sierra Club's Ansel Adams Award and for enjoying the country. Much of the cross-country area will be unscouted so participants should be prepared for challenges.

(164) Lion Lake, Kings Canyon-Sequoia Parks, Sierra—July 26-August 3. Leader, Bob Maynard, 116 Orchard Road, Orinda, CA 94563.

We will explore the boundary between the parks from Mt. Silliman to Triple Divide Peak as well as touch Table

FRED LOCHNER, JR.





STUART MITCHELL

Meadows, Big Bird Lake, Deadman Canyon and Lion Lake. Several view campsites will allow appreciation of the Monarch Divide, Milestone Mtn. and the Great Western Divide. The trip will be a moderately strenuous one allowing for predominantly cross-country travel and for occasional rough going. One layover day is planned.

(165) Appalachian Trail, Maine—July 27-August 2. Leader, Frank Roberts, 15 Sewall Dr., Old Town, ME 04468.

The section of the Appalachian Trail from Monson, Maine to Mt. Katahdin is the longest and wildest of the entire trail. We will start at the last paved road, and hike the Barren-Chairback Range, cross the Pleasant River, and finish with Whitecap Mt. and Gulf Hags (Grand Canyon of Maine), leaving the AT via a woods road. This is true wilderness, and an area normally hiked only by through hikers. Pace will be moderate, and time will be available for natural history study, fishing and cogitation.

(166) Baffin Island National Park, Canada—July 27-August 14. Leader, Keith Olson, 410 Berkley, Elmhurst, IL 60126.

Crossing the Arctic Circle on foot and hiking between unclimbed cliffs crowned by glaciers are only two of the

attractions of our second trip to Baffin Island. We'll hike 60 miles, some of them rugged, in 13 days. Layover days we'll explore surrounding mountains and glaciers, requiring no technical climbing. Temperatures vary from mid 60's down to low 40's; wind and rain are to be expected. The trip fee includes round-trip air fare from Montreal. Minimum age is 18.

(167) Mt. Williamson, Sequoia Park, Sierra—July 28-August 8. Leader, Serge Puchert, 1469 Bernal Ave., Burlingame, CA 94010.

This moderately strenuous 12-day knapsack will travel the high country along the Whitney Crest. Starting from Cottonwood Sawmill we will explore Boreal Plateau, visit Wrights Lakes and ascend into the Mt. Williamson Bowl. We will stay above timberline on our return by a cross-country route. The ambitious will have a chance to climb Mounts Whitney, Williamson and Langley on three layover days.

(168) Granite Hot Springs, Teton Forest, Wyoming—August 1-6. Leader, Bob Wilkinson, 5278 Independence St., Arvada, CO 80002.

This moderate 40-mile loop begins and ends at a hot spring pool. We will hike in the Gros Ventre Range, Teton National Forest, 25 miles south of Jackson. We

average seven miles a day with no layovers, at elevations from 7000 to 10,000 feet. The last day is a steep downhill of three to four miles with most of the afternoon left to soak aching muscles in the hot pool. A spectacular view of the Grand Teton appears halfway through the trip.

(169) Saddlebag Lake to Twin Lakes Leisure, Yosemite Park-Toiyabe National Forest, Sierra—August 1-9. Leader, Elmer Hazelton, 620 Carole Court, Colton, CA 92324.

Over twenty lakes and tarns, an active glacier, an overlook of waterfalls and a canyon which is noted for wildflowers, a boat-taxi ride, signs of bygone beaver activity, a sandy-shored lake ideal for fishing and swimming, all add up to the attractions of water in the Sierra on a leisure knapsack trip. Trip difficulties will include crossing snow fields, a steep descent over loose rock, and climbing a crest at 11,200 feet for a panoramic view.

(170) Laurel Fork Leisure, Virginia-West Virginia—August 3-9. Leader, Elihu Leifer, 9004 LeVelle Dr., Chevy Chase, MD 20015.

Laurel Fork flows out of a magnificent forest wilderness in the George Washington and Monongahela National Forests, cooled by elevations from 2500 to 4000 feet. We will make a circuit including this main stream

and its tributaries, some stocked with trout, others with chains of beaver ponds. Layover days can be spent in relaxation or exploration. Families with children over 6, teen-agers and older hikers are welcome.

(171) El Diente, San Miguel Range, Colorado—August 4-13. Leader, Bob Berges, 974 Post St., Alameda, CA 94501.

This moderate knapsack trip starts at Woods Lake a little below 10,000 feet. However all camps will be made above 11,000 feet. The first and last days are on trail and the rest of the time is mostly cross-country. Four layover days will be used for peak climbing, old mine exploring or just loafing. Attempts will be made on the three 14,000-foot summits in the range, weather permitting.

(172) Isle Royale, Michigan—August 4-13. Leader, Virginia Prentice, 3000 E. Delhigh Rd., Ann Arbor, MI 48103.

Ten days on the nation's only wilderness island national park. We go by boat from Copper Harbor or Houghton. One day to make the trip, one to get back, two layover days and six days of hiking. This will give us time to see much of the island via the least-used trails. Rugged rocky shorelines, tree canopy trails, inland lake gems, mighty Lake Superior, mushy marshy bogs, gentle woods trails; we'll give them all a try.

DONALD L. GIBBON



(173) Bridger Wilderness, Wind River Range, Wyoming—August 4-15. Leader, Lois A. Snedden, Box 53, Rancho Santa Fe, CA 92067.

This moderately strenuous loop trip will explore a section of the unspoiled and spectacular Wind Rivers. Travel will include trails, cross-country and bushwacking across alpine tundra and through forests with two crossings of the Continental Divide. Plant and animal life are plentiful and varied. Numerous lakes and streams should afford fine fishing.

(174) Chilliwack, North Cascades Park, Washington—August 4-15. Leader, Dave Corkran, 130 N.W. 114th Ave., Portland, OR 97229.

Our trip begins on the historic Chilliwack River Trail, route of Cariboo gold seekers. Traverses of Copper and Custer ridges follow, across heather meadows, rock slopes, and steep snow. Peaks such as Challenger, Fury, Terror, and Despair compete with distant vistas of icy giants in British Columbia. This 52-mile loop is rated as moderate but includes three strenuous cross-country days and a possible glacier crossing.

(175) Olympic Peninsula Leisure, Olympic Park, Washington—August 5-14. Leader, Sylvia Sears, 6529 Harwood Ave., Oakland, CA 94618.

The deep rain forests and sunny ranges of Olympic National Park entice us to this leisurely ten-day hike. From the canyons of the Dosewallips and Quinault rivers there will be splendid views of the park's peaks and ridges. Alpine meadows will afford us wildflowers at the height of their season as well as glimpses of Roosevelt elk. We will walk fifty-five miles on good trails and plan two layover days.

(176) Ice Lakes, Glacier Peak Wilderness, Washington—August 8-15. Leader, Jane Rondthaler, 4400 S.W. 41st, Portland, OR 97221.

From Holden, reached by boat up Lake Chelan, we ascend Copper Creek and cross Entiat Valley to the high pumice-covered basin of Ice Lakes. We head west into the glaciated valley of Spider Meadow, returning to Holden by Lyman Lake and Railroad Creek. Layovers at Ice Lakes and Lyman Lake. While this trip is moderate, typical North Cascades country calls for previous experience on snow and exposed terrain.

(158) Black Forest, Pennsylvania—August 10-16. Leader, Ludwig Bohler, 51 Schmidt Lane, #54B, North Brunswick, NJ 08902.

A leisure trip on a 40-mile loop trail through a scenic and historic area. About 3 or 4 hours of sometimes strenuous hiking per day, leaving plenty of time for side trips, nature study, birding or writing poetry. Thousand-foot climbs are rewarded by grand vistas; campsites are in lovely valleys by sparkling streams. Trail is in Tiadaghton State Forest near Williamsport, a mixed hardwood forest regrown from turn-of-the-century railroad logging which still shows interesting traces. Suitable for novices.

(177) Mt. Bonneville, Wind River Range, Wyoming—August 11-21. Leader, Michael Fineman, 1708 Lincoln St., Berkeley, CA 94703.

The Bridger Wilderness and Popo Agie Primitive Area are regions of magnificent scenery. Sparkling white granite, glacier-sculpted peaks, a multitude of fishable lakes and streams and a scarcity of people are special attractions. The trip will be of moderate difficulty with a food cache and three layover days to balance 10,000-foot elevations and long hiking days. Our last layover

will be spent exploring the splendid Cirque of the Towers.

(178) Lost Canyon, Sequoia Park, Sierra—August 14-23. Leader, Jerre Sears, 6529 Harwood Ave., Oakland, CA 94618.

Boldly carved peaks, canyons leading to magnificent amphitheatres and small glacial tarns will be seen on this trip starting from Mineral King. We will proceed through the Little Five and Big Five Lakes area, up Big Arroyo to the Nine Lakes Basin. Some rugged cross-country travel will be included, making for a moderately strenuous trip. There will be several layover days for fishing, peak climbing (Kaweah Queen and others) and exploring the flora and fauna.

(179) Desert-Alpine Ecological Transect, Inyo Forest, Sierra—August 15-22. Instructor, Bill Davilla. Leader, Sandy Knapp, 870 Devonshire Ave., San Leandro, CA 94577.

Our trip will begin at McGee Creek roadhead at 7500 feet in Inyo Forest on the eastern slope of the Sierra. We will average 5 miles per moving day and reach the Sierra Crest at 12,000 feet, investigating the flora and fauna unique to each of the Sierran life zones we will traverse. A layover day in each life zone should afford us ample time for in-depth study as well as relaxation. This trip is suitable to anyone with some knapsacking experience. Optional credit available.

(180) Big Arroyo, Sequoia Park, Sierra—August 16-24. Leader, Patrick Colgan, 3605 Alameda, Menlo Park, CA 94025.

Mineral King, the Great Western Divide, Big Arroyo and the Kaweah Crest, a veritable feast for peak-freaking on layover days. Mostly high cross-country, a strenuous, exhilarating, dynamic Sierran spectacular not soon to be forgotten.

(181) Wyoming Range Leisure, Bridger Forest, Wyoming—August 18-23. Leader, Larry Gaudreau, 710 S. Alton Way, Denver, CO 80231.

Learn to recognize the elfin forest and the reason it exists. With no more than eight miles a day, there will be plenty of time to identify wildflowers while climbing over only one 9500-foot pass. One layover day can be spent in search of a safe passageway into the southern part of the Wyoming Range. Although we might not see any other humans, we may see deer.

(182) Art in the Sierra, Kings Canyon Park, Sierra—August 18-24. Instructor, Charles Zlatkoff. Leader, Carlton McKinney, 3305 Berkeley Ave., Los Angeles, CA 90026.

High mountain beauty waiting to be captured by brush and graphics media is gained by a stiff two-day hike out of easily reached Kings Canyon. The crest of Monarch Divide and environs is where professional artist Charles Zlatkoff will spend three days assisting trip members with water color media and drawing techniques. The small group size will assure opportunities for individual instruction. The leader will accompany those interested to nearby peaks and ridges for another perspective on this region.

(183) Athabasca Pass, Jasper Park, Canada—August 18-29. Leader, Peter Bengtson, 19315 Frenchton Pl., Gaithersburg, MD 20760.

This outing will visit a new area for the club. We start this moderate trip by following the old fur trade route over Athabasca Pass into remote areas of Hamber Park. A large portion of this unscouted trip will be above timberline. Cross-country travel, high passes and

talus fields call for some experience in these areas. Three layover days are planned for glacier exploration, fishing or climbs of Mt. Brown, Chisel Peak, or Fortress Mountain.

(184) Golden Hinde, British Columbia, Canada—August 19-27. Leaders, Helen and Ed Bodington, 697 Fawn Dr., San Anselmo, CA 94960.

The backbone of Vancouver Island is a series of eroded ridges punctuated with glaciers and lakes. The tallest peak in the chain is the Golden Hinde (7219 feet) which we approach from the northwest along the Elk River. Several layovers at lakes will afford time for fishing, relaxing or peak climbing. Travel days average 7 miles with 2000 feet of climb. A moderate trip suitable for experienced knapsackers or willing newcomers.

(185) Goddard-Tehipite, Sierra Forest and Kings Canyon Park—August 22-September 4. Leader, Bill Colvig, 7163 Viewpoint Rd., Aptos, CA 95003.

A varied trip: some high, some low, some on-trail, some off-trail, some easy going, some tough going; lots of exercise in terrific surroundings; that's what we offer here. We'll do interesting rocky passes, enjoy superb mountaintop views, fish, swim, and experience the Sierra's undeveloped Yosemite—Tehipite. There we have the domes, the cliffs, the cascades without the cars and crowds. For hardy, experienced backpackers.

(186) Toroweap Point, Grand Canyon, Arizona—September 21-27. Leader, Don Campbell, 7042 N. 12th Way, Phoenix, AZ 85020.

Explore this seldom-visited northwestern corner of the Grand Canyon. A strenuous 3000-foot descent into Tuckup Canyon via the Tuweap Trail is included. Vulcan's Throne and Lava Falls, the most difficult rapids on the Colorado River, will be visited, too.

(187) Nankoweap-Salt Trails, Grand Canyon, Arizona—October 5-11. Leader, Don McIver, 5548 N. 10th St., Phoenix, AZ 85014.

This trip begins at the north rim of the Grand Canyon. Days will be warm, nights cool and comfortable. The terrain is rugged and difficult; a dry camp will be required on the first night out. River water will be plentiful for the remainder of the route. This trip is limited to experienced backpackers used to heavy loads and in excellent condition. There are no layover days, and emergency help could be 3 or 4 days away. The route is challenging and beautiful.

(188) Navajo Canyons, Arizona—October 12-18. Leader, John Ricker, 2950 N. 7th St., Phoenix, AZ 85014.

We will again visit the deep sandstone canyons in the Navajo country of northern Arizona. The routes vary from totally dry to waist-deep in water, sometimes climbing the high walls by means of Moqui steps. Old and new Indian trails will be followed. The trip is planned as leisure to moderate.

(189) Sierra del Carmen, Texas and Old Mexico—December 27-31. Leader, Jack Burch, 5510 Preston Haven, Dallas, TX 75230.

Beginning in the remote Dead Horse Mountains of Big Bend National Park the first two nights will be spent along the Rio Grande River. Forging the river inside Boquillas Canyon we will take an old wax smuggler's trail up to a high plateau in Mexico and camp at the historical and picturesque Puerto Rico mines. The return hike will be made through the Mexican village of Boquillas.

(190) Grand Canyon, Arizona—December 27-January 1. Leader, Lester Olin, 2244 Avenue A, Yuma, AZ 85364.

This Grand Canyon Knapsack trip will cover one of the remote areas of the Grand Canyon, making use of old abandoned trails and cross-country routes. There will be no technical rock climbing but some scrambling and much cross-country walking. This will be a moderately strenuous trip and all applicants should plan to be in good physical condition.

Knapsack for Retarded Adults

This second "annual" outing is planned especially for the enjoyment of mentally retarded adults. The opportunity for handicapped persons to experience wilderness is extremely limited almost everywhere. We want to do something about that, and within a person's limitations, wilderness can be an enjoyable and worthwhile experience. It is not necessary that you be a Sierra Club member to participate. Financial assistance may also be available if needed.

(191) Collegiate Peaks, Colorado—August 4-8. Leader, Joie Hartman, 2411 S. Race, Denver, CO 80210.

The Collegiate Peaks area contains a number of Colorado's most impressive 14,000-foot mountains, beautiful valleys, and old miners' cabins. This trip, open to mentally retarded adults over 16 years old in reasonable physical condition, will travel through fascinating country rich in history. There will be the opportunity for fishing and leisurely exploration, as well as learning wilderness skills and growing in a new environment. No prior backpacking experience is necessary.

Supplemental Information About Trips

Don't be lured into the wrong camp, or worse, don't be frightened away from one you could easily manage! Even veterans will find it hard to determine from the brief descriptions in this issue just how easy or how tough any given trip is going to be. Sierra Club outings vary enormously in such things as cost, distance covered, and in the experience and physical stamina required. If you have any doubts about your readiness for the trip which interests you, ask the club outing office (1050 Mills Tower, San Francisco, California 94104) for the supplement of that specific trip which interests you. And do it before you make your reservation. It may easily save you the expense and inconvenience of changing or cancelling your reservation later.

Due to the great demand for trip supplements and our rising printing and distribution costs, volume requires that we now must charge 50c for each supplement requested *beyond the first five*.

The trip supplements are prepared by the leaders and go into much more specific detail than we can print here. Any information beyond that contained in the supplement may be obtained from the leader, by phone or mail. Do not address such inquiries to the outing office.

JUNIORS KNAPSACK TRIPS

Juniors trips are for the 12 to 15-year-old knapsacker who wants a mountain trip with others the same age. Packs are lighter and hiking days usually a little shorter, but in all other ways juniors trips are like adult trips. Each trip member takes his turn on the cook crew and with other camp chores and is expected to carry his full share of the food and commissary gear.

Those new to backpacking will find shorter, less strenuous trips suitable to their ability. Two trips this year are aimed at the youngsters who have never backpacked. Experienced hikers can sign up for the longer, more difficult trips at higher elevations which have more cross-country hiking. Each trip description states the age group for which the trip is planned.

Applicants must be qualified for the trips; the leader expects to hear from the applicants themselves in response to his supplement, not from the parent.

Parents will be asked to help with driving trip members to and from the trip. Juniors trips are quite popular and are filled quickly. In fairness to all, we must limit applicants to one trip in a season.

(195) Kaiser Peak, Sierra Forest, Sierra—June 15-21 and (197) June 23-29. Leader, Lynne McClellan, 88 Ridge Road, Fairfax, CA 94930.

June in the Sierra offers warm days for swimming and fishing as well as snowbanks for sliding. These trips are for adventuresome juniors who have never backpacked. The daily mileage is short, but there are three days of exciting cross-country. The rest of the time will be on trails. The highest point on the trips, Kaiser Peak (10,320 feet) looks over the San Joaquin River basin from Lake Edison to the Clark Range south of Yosemite. For ages 12-15.

(196) Hoodoo Basin, Yellowstone, Wyoming—June 18-27. Leader, Susan Kollings, 3181 Waverley St., Palo Alto, CA 94306.

Yellowstone Park's eastern boundary of Absaroka Mountains will see us crisscrossing in and out of the park boundary and Shoshone Forest several times as we take our ten-day off-trail backpack trip through some of the higher and more remote areas. Peaks and waterholes are forever nearby, traces of Shoshone and Bannock Indians who left stone corral circles and obsidian arrowheads behind on home lands abound. Wildlife of swans, eagles, elk, beaver, buffalo and chipmunk delight those with sharp eyes. Full moon should be up mid-trip, days warm and fish jumping. So fourteen and fifteen year-olds with backpack experience, try this!

(198) Little Claire Lake, Sequoia Park, Sierra—July 5-13, and (203) July 17-24. Leader, Sherri Brainard, 1510 Eden Ave. #6, San Jose, CA 95117.

A wide sweep through Mineral King country will bring us to some of the area's choicest swimming lakes. Rock, sun and snow will also be part of the fun. We will stay mainly on trail, but there will be some short, rugged cross-country as well as lots of elevation gain and loss. This trip is for experienced backpackers looking for a taste of the high country. Ages 12-15.

(199) Cathedral Range, Yosemite Park, Sierra—July 8-14. Leader, Elliott Smith, 423 Buena Vista Ave. East, San Francisco, CA 94117.



CLARK NATTKEMPER

The backbone of the Cathedral Range will be followed, from Cathedral Peak to Mt. Lyell. Much of the trip will be cross-country above timberline over glacier-carved granite. There will be one layover day, allowing time to explore the country around Mt. Lyell. For adventuresome 12-15 year old juniors with previous backpacking experience.

(202) Electra Peak, Yosemite, Sierra—July 13-20. Leader, Patrick Colgan, 3605 Alameda, Menlo Park, CA 94025.

Moderately strenuous with layover days for fun in the sun. Mostly high cross-country, camping at timberline or above, traversing the remote southeastern flanks of the Clark Range in Yosemite. We can expect packed snow in places and spectacular run-off; something for everyone including sore feet and character building. Some backpacking experience is desirable for this trip designed for 12-15 year old juniors.

(204) McGee Pass, John Muir Wilderness, Sierra—July 17-27. Leader, Raleigh Ellisen, 2720 Elmwood Ave., Berkeley, CA 94705.

Lower Mills Creek Lake in the beautiful glaciated bowl at the base of Mt. Abbot will be the site of one of the layover days on this ten-day trip. From McGee Creek we will cross the Sierra Nevada Crest and turn south following a little-used route through the Mono Creek drainage and on to French Canyon. The trip is for experienced backpackers ages 12-15.

(205) Caribou Lake, Trinity Alps, Northern California—July 26-August 3. Leaders, Leslie and Gary Young, 45 Erma Lane, Davis, CA 95616.

This moderate trip in northwestern California will circle the heart of the Trinity Alps, home of the 'Big-foot' legends. Two layover days will give us a break from the exciting cross-country travel. Large snowfields at 8000 feet are combined with cold blue lakes and tall waterfalls. The trip is for 12-15 year olds, but all must have previous experience.

(206) Tower Peak, Yosemite Park, Sierra—August 2-10. Leaders, Vicky and Bill Hoover, P.O. Box 723, Livermore, CA 94550.

The glaciated granite walls, wooded canyons and enticing lakes of northern Yosemite provide the locale for nine days of peak climbing and some moderately strenuous hiking, partly cross-country. Vigorous juniors age 12-15 with some backpacking experience and interest in climbing should enjoy this visit to a relatively untraveled part of the Sierra, with a chance to try out some roped climbing techniques.

(207) Vee Lake, John Muir Wilderness, Sierra—August 4-12. Leader, Dave Neumann, 1103 Deakin #3, Moscow, ID 83843.

Vee Lake (11,120 feet), located in the midst of the John Muir Wilderness is the focal point of this peak-bagging and fishing expedition. Strong and experienced 12-15 year-olds will find the 43 miles in nine days, without a cache, a definite challenge. Seven Gables, Gemini, Royce, and Merriam peaks, as well as excellent golden trout fishing, should keep everyone occupied during our two layover days.

(208) Kuna Crest, Yosemite Park-Inyo Forest, Sierra—August 19-27. Leader, Ann Peterson, 1776 Vining Dr., San Leandro, CA 94579.

From Dana Meadows, this trip will lead us through parts of John Muir's High Sierra while avoiding masses of people. An easy first day will take us to Bloody Canyon, where the remains of gold mining operations await exploration. Moderate cross-country over the Kuna Crest and into the Marie Lakes will give magnificent views of Lyell Canyon and the Ritter Range. There will be opportunities to climb several peaks. Ages 14-15.

(209) Thunder Mountain, Sequoia and Kings Canyons Parks, Sierra—August 24-September 1. Leaders, Ellen and Jim Absher, 179 Saranap Ave., Walnut Creek, CA 94595.

A strenuous, self-contained trip for experienced juniors, 14 or 15 years old. We will cross the Sierra Crest and explore the Great Western and Kings-Kern divides. Several knapsack passes, high elevation camps and sweeping vistas await us. Days will average 10 miles or more, and involve considerable cross-country travel, with elevation gains of as much as 3000 feet. Two layover days are planned.

(210) Mt. Barnard, Sequoia Park, Sierra—August 25-September 1. Leaders, Judy and Pete Nelson, 5906 Dirac St., San Diego, CA 92122.

The Whitney group of 14,000-foot peaks in the southern Sierra will be the trip locale and will provide many climbing opportunities for the energetic. We will traverse cross-country along or near the Sierra Crest above timberline between Mt. Tyndall and Mt. Whitney. Several layover days will give opportunity to climb, fish, or swim. Vigorous juniors, age 13 or older with knapsacking experience should enjoy this high altitude, moderate trip.



EDUCATIONAL OUTINGS

Educational Outings offer Sierra Club members a chance to learn more about the workings of their natural environment under the tutelage of an experienced instructor. These outings are designed to meet the natural history interests of all Sierra Club members and as such are planned for persons from various age groups and with differing physical abilities and experience in the out-of-doors. Each outing emphasizes one or more of the many subjects dealing with the natural ecosystems of the world and man's use of his environment.

The staff on most outings consists of both an experienced trip leader and a professional instructor as well as additional assistants as needed. Professional naturalists, college professors, and scientific researchers with field experience in the subject to be emphasized serve as the instructors on educational outings. These instructors attempt to provide trip participants with an understanding and appreciation of the complexities and interrelationships of the living and physical environment which they are visiting. In addition the instructors on educational outings attempt to impart a working knowledge of the references and equipment typically utilized by biologists, foresters, ecologists, nature photographers, etc.

Course credit through University Extension Services is available for participation on certain educational outings. Such credit is available on an optional basis. Persons electing to receive course credit for participation on an educational outing will be required to pay an additional registration fee and may be requested to perform additional investigations by the instructor.

Educational outings are designed for viewing and studying the natural environment, and thus they are of a leisurely pace. Ample time is allowed for trip members to explore objects of interest. The amount of hiking involved on these outings depends on the type of outing; however, in general these trips do not cover a great deal of distance.

EDUCATIONAL OUTINGS

<u>Trip Number</u>	<u>Trip Title</u>	<u>Type of Outing</u>	<u>Dates</u>	<u>Instructor/Leader</u>
201	Desert Ecology High-Light Educational, Arizona*	High-Light	February 9-15	Pierre Fischer/ John Ricker
22	Natural History of the Mono Basin, Sierra	Base Camp	June 21-28	Will Neely/ Bob Miller
685	Grand Cayman, Tropical Reef Biology, British West Indies*	Underwater Exploration	June 27-July 8	Steve Webster
26	Sierra Nevada Natural History, Stanislaus Forest, Sierra*	Base Camp	June 28-July 5	John Stanley/ Dick May
161	Selway River, Natural History and Ecology, Idaho*	Knapsack	July 20-August 2	Oz Hawksley
163	Turret Peak Photography Trip, Sierra Forest, Sierra	Knapsack	July 25-August 3	Bruce Barnbaum/ Tom Amneus
179	Desert-Alpine Ecological Transect, Inyo Forest, Sierra*	Knapsack	August 15-22	Bill Davilla/ Sandy Knapp
257	Baja California Marine Biology, Mexico*	Underwater Exploration	August 17-22	Steve Webster
182	Art in the Sierra, Kings Canyon Park, Sierra	Knapsack	August 18-24	Charles Zlatkoff/ Carlton McKinney

*Indicates college or university credit is available (on an optional basis).

Complete descriptions of these educational outings are included under the appropriate type of outing.
For information on the total cost of educational outings look in the center section under the type of outing.

1975 EDUCATIONAL OUTINGS INSTRUCTORS

Pierre Fischer

A Ph.D. in botany from the University of California at Berkeley, Pierre Fischer has studied the flora of the southwestern United States. He has conducted research studies on cacti, including species from East Africa and Madagascar.

Will Neely

As a seasonal ranger-naturalist in the Tuolumne Meadows high country of Yosemite National Park, Will Neely has spent numerous summers becoming fully familiar with the geography, geology, flora, fauna and history of this portion of the Sierra.

Steve Webster

A professor of marine biology (Ph.D., Stanford University) at California State University at San Jose, Steve Webster has served as leader-instructor on several previous underwater explorations conducted by the Sierra Club. He is a member of the National Association of Underwater Instructors and is proficient in underwater photography. Steve is especially interested in interpreting marine biology to newcomers to the subject.

John Stanley

A naturalist, conservationist, environmentalist and ecological consultant, John Stanley has conducted research for the Sierra Club Outing Committee on human impact problems in the Sierra Nevada. He was formerly a naturalist for the National Audubon Society.

Oz Hawksley

An ecologist and naturalist (Ph.D., Cornell University), Hawksley has taught as a professor of zoology at Central Missouri State University since 1947. His expertise gained as a professional river boatman has aided him in exploring and studying rivers throughout the United States.

Bruce Barnbaum

Bruce Barnbaum is a professional photographer. He has served as chairman of the Angeles Chapter Camera Committee. Bruce is the recipient of the Sierra Club's Ansel Adams Award for Conservation Photography and is currently preparing a book on Kings Canyon National Park.

Bill Davilla

A candidate for his masters degree in botany at California State University in San Jose, Bill Davilla has conducted research on several timberline tree species in the Sierra Nevada. He is especially interested in interpreting the numerous factors which influence the differentiation between plant and animal communities on the east side of the Sierra.

Charles Zlatkoff

Charles Zlatkoff, an artist for the past fifteen years, has been involved with drawing and painting in various media including pencil, charcoal, pen etching techniques, watercolor and oil painting. He has been exhibiting for the past eleven years throughout the United States and in Europe, and has taught as a lecturer in art at southern California universities and colleges since 1967.

SERVICE TRIPS

Service Trip projects are a unique effort that people pay for, unselfishly volunteering vacation time to assist Park or Forest Service. Scores of individuals, ranging in age from 14 to 72, join in to work and laugh, and return home with new friends and a sense of pride from contributing tangibly to the prolonged life of American wilderness.

Consider the sentiment of a young woman participant who admitted, "I am always scared of doing new things (but) I am glad I went. It really changed me quite a bit . . . next summer I want to go on as many as possible." Listen to an older couple who were very "appreciative . . . for a fantastic experience, rewarding in terms of the people we met, our first experiences in backpacking, of beautiful mountains, and of performing a worthwhile service."

Clean-up projects were begun in 1958 to help reduce litter impact of careless campers. If you would consider collecting over 15 tons of refuse in 4 trips a success, then direct your amazement toward trip members like the person who recalls "sitting in the little bowl where the trail went, looking at the blue sky and lying in the green grass and thinking how great our work looked." We continually innovate the clean-up theme: there are airplane wreck projects which attempt to remove and recycle demolished aluminum in the high country, and a new wilderness restoration theme seeks to eradicate undesirable corrals and make-shift hunters' camps from remote back-country settings.

In 1962 trail maintenance projects commenced to further assist Forest and Park Services manage the back country. We seek to minimize the environmental impact of trails by re-routing them around meadows and lakes, or by creating paths which are less erosion-prone, by constructing water bars and riprap. Supervised by a government trail foreman, you'll learn what a come-along does and how to use a Pulaski. At the end of an exhilarating summer one chap enthused about "how much I learned and how much it helped me. And I really thought it was great to get up in the mountains and do something for the wildness, instead of just hiking and camping and using the area."

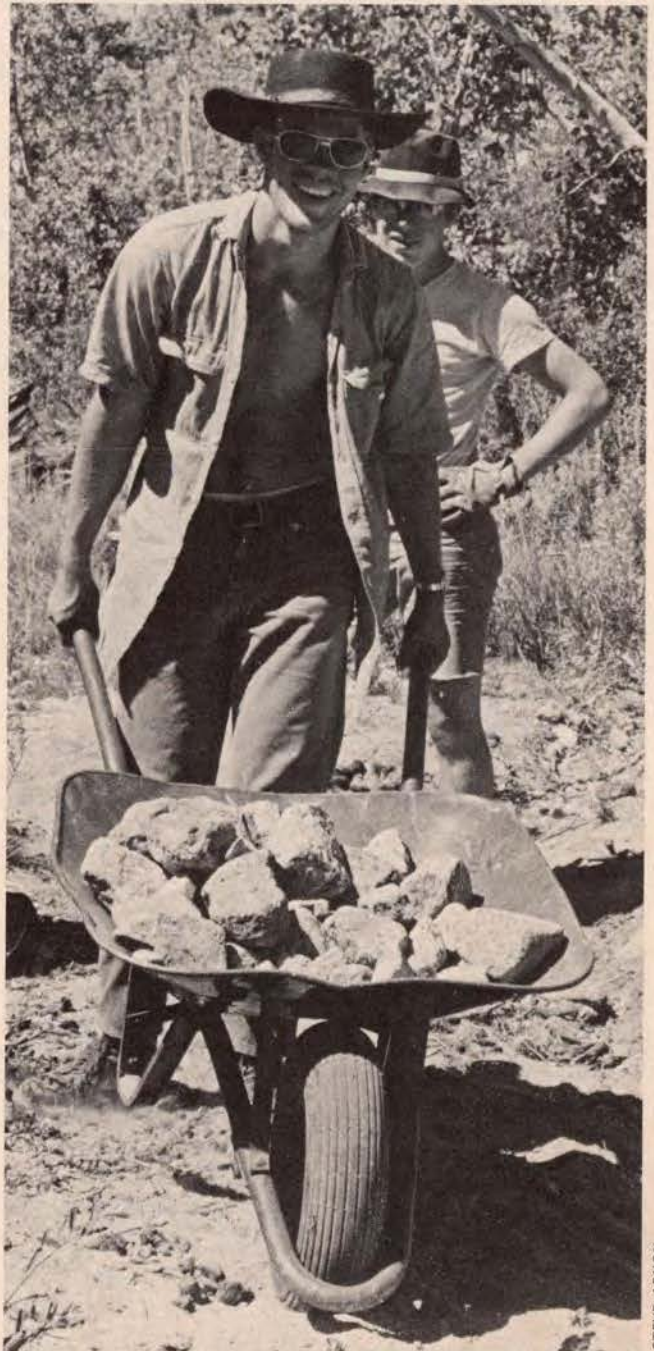
We do not want to leave the impression that you are just going to work. The accent is on simple mountain life, and everyone helps with communal chores and cooking. No doubt you will be overwhelmed by those spontaneous eating contests . . . 35 thick pancakes? If that does not whet your appetite, perhaps a beef stroganoff dinner with blueberry cheesecake will. A peaceful sleep will be delayed only by the traditional song, guitar, and tall tales at a cozy campfire.

All trips have alternating free and work days, with ample time to enjoy the scenery and activities such as hiking and exploring, swimming, pinecone football, fishing, cloudwatching, relaxing with a book, or ambling in a nearby field of glacier lilies and columbine. You may even choose to throw a friend in the water or fill her boots with snow.

Most of the summer projects cost \$50.00; all require a \$25.00 deposit. This represents only part of the trip cost—Sierra Club grants keep fees low along with generous donations from individuals and firms such as U-Haul Company. Trip size will generally vary from 20 to 30, including the staff and usually a physician. Depending on the trip, personal dunnage will be limited to 20–25 pounds. Minimum age is usually 16 years. Final acceptance of all trip applicants will be determined by the individual trip leader.

Please reflect carefully before selecting a trip as some are much more strenuous than others. Backpack projects may not camp in the same spot twice and will require that participants carry tools and food. A base camp project will permit more leisure time. Special projects, often the outgrowth of an unusual Forest or Park Service request, will be most popular with the hardy, experienced adventurer. Trip supplements, which contain a wealth of information to help you make a decision, may be obtained from the trip leader or the Outing Department.

All the work and play add up to a memorable experience of camaraderie and real friendship, significant work accomplishments and the satisfaction of knowing just what is on the other side of the ridge. We hope you end with a feeling that "I really enjoyed the whole trip . . . I don't know when I've worked so hard and had such a good time doing it. I think I'll remember these things more than anything else I've done in a long while."



STEVE ARNON

Clean-up Projects

(215) Hells Canyon of the Snake River Historical Restoration, Oregon-Idaho—June 28-July 9. Leader, Don Coppock, Box 196, Reed College, Portland, OR 97202.

A ten-day river float trip in the colorful and awesome Hells Canyon. In order to assist with management of the newly proposed recreation area, we will inventory historical edifices in the gorge. Undesirable structures will be demolished and removed.

(216) Kearsarge Pass, John Muir Wilderness, Sierra—June 30-July 10. Leader, Bruce Kingsley, Box 588, Ross, CA 94957.

Kearsarge Pass (11,823 feet) is the lowest pass over the jagged Sierra crest from Owens Valley. It is also one of the most popular, close to picturesque Bullfrog Lake, Vidette Meadows, and the precipitous 13,005-foot Mt. Gould. This outing may change camps several times to minimize impact and trip members will be expected to help carry community equipment and food short distances.

(217) Collegiate Peaks Backpack, Sawatch Range, Colorado—July 1-11. Leader, John Stansfield, 630 N. Cascade #4, Colorado Springs, CO 80903.

The highest peak in Colorado, 14,433-foot Mt. Elbert, will be the centerpoint of our backpack route on the popular and scenic Main Range Trail. Many tarn lakes and a possible climb of Mt. Massive should make this a memorable trip for all.

(218) Teton Wilderness Backpack, Wyoming—July 17-27. Leader, Don Coppock, Box 196, Reed College, Portland, OR 97202.

Snow-bedecked peaks and jewel lakes draw backpackers to the lovely Teton Wilderness. We may cross the Continental Divide several times in our quest for the moderate amounts of litter spread thinly enough that only a backpacker can collect it.

(219) Golden Trout Wilderness Restoration, Gallatin Forest, Montana—July 17-27. Leader, Bruce Kingsley, Box 588, Ross, CA 94957.

Numerous high elevation lakes populated with big golden trout beckon many fishermen. Our trip will clean lake shores and trail sides and remove a few fishing camps. There will be ample time to wander or relax in our base camp.

(227) Grimsley Park Wilderness Restoration, Flathead Forest, Montana—August 1-12. Leader, Don Coppock, Box 196, Reed College, Portland, OR 97202.

A beautiful 2-day hike over the Continental Divide brings us to Grimsley Park, a small, isolated valley deep in the Sun River Game Refuge. We will remove debris of an old fire camp and explore this unparalleled portion of the Bob Marshall Wilderness.

(228) Red Peak Pass Backpack, Yosemite, Sierra—August 7-17. Leader, Margi Rusmore, 36 Berenda Way, Portola Valley, CA 94025.



ALAN SCHMIERER

Some cross country travel should allow us to hit some of the remote settings of Obelisk, Adair, and Red Devil lakes. You should expect a lot of work, snow, waterfalls, and giant, unique peaks.

(229) Parker Lake Airplane Wreck Backpack, Minarets Wilderness, Sierra—August 15-27. Leader, Kelly Runyon, c/o Concordia High School, 6325 Camden Ave., Oakland, CA 94605.

Almost two weeks will permit us to remove numerous wrecks scattered throughout the Minarets area. The trip may involve several moves. Exact details will be fully settled after the spring thaw. We can promise adventure and perhaps a few surprises.

(230) White Mountains, New Hampshire—August 17-23. Leader, Marysue Naegele, 205 Dana Hall, Colby College, Waterville, ME 04901.

This Service trip in the White Mountains National Forest will be in a heavily used area. Work will involve removal of can dump, rebuilding latrines, shelter and trail maintenance. Proper use and understanding of this beautiful but fragile environment will be encouraged by precept and by example. No special skills are required.

(231) Chain Lakes/Royal Arch Lake Backpack, Yosemite, Sierra—August 20-September 2. Leader, Jon Wellman, 901 Woodland Ave., Menlo Park, CA 94025.

This moderate trip in the Buena Vista Crest region should provide a great opportunity to see a variety of lakes, collect litter and eradicate undesignated fire rings.

(232) Mammoth Cave, Kentucky—December 27-January 3, 1976. Leader, Joe Davidson, 704 E. Erie Dr., Tempe, AZ 85282.

Most of the work will occur in the Flint-Mammoth Cave System, now over 165 miles long. Debris primarily arises from careless tourists and past construction remains. Some off-days will be spent visiting remote areas of the cave. Good physical condition is important. The leader has helped extend the known limits of the cave for many years.

DOCTORS . . . we need you! There are still a few openings on our 1975 trips. For further information regarding a totally unique wilderness vacation, please contact: Stanley L. Betts, M.D., c/o Sierra Club Outing Department (Attn.: Jane Edginton), 220 Bush St., San Francisco, CA 94104.

Special Projects

(234) Talchako Lodge Work Project, Coast Range, British Columbia—June 29-July 11. Leader, Alan Schmierer, 231 Erica Way, Portola Valley, CA 94025.

We shall spend our time refurbishing the lodge, working the Caribou Mountain trail, and taking a 5-6 day backpack in the stupendous peak country that rings the magnificent Bella Coola valley. The ten trip participants may be flown by private plane from Seattle; otherwise plan for a day and half drive.

(233) The Olympic Sherpa, Washington—June 28-July 17. Leader, Bill Reeve, Student, Colorado School of Mines, Golden, CO 80401.

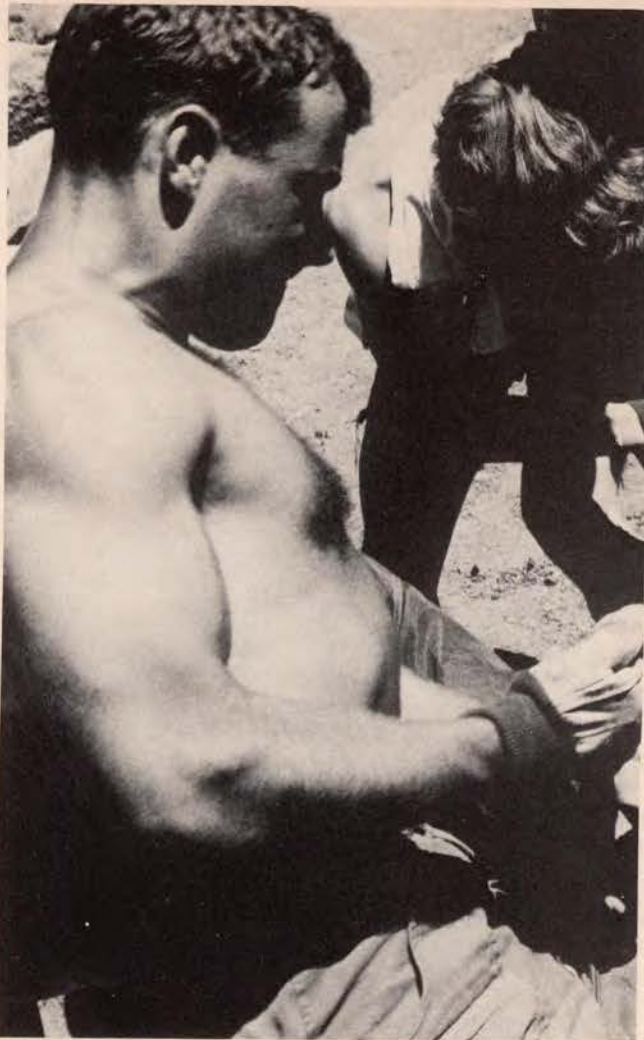
(235) July 20-August 8. Leader, Bill Reeve (see above).

(236) August 11-September 2. Leader, George Smith, 113 Grad Hall, UCD, Davis, CA 95616.

Our first Sherpa project pioneers an attempt to assist the park determine trail conditions and more effectively deploy trail maintenance crews. All trips will continue backpacking food, tools, and supplies to backcountry ranger stations in order to lessen impact of helicopters or mules used for such tasks. Ten strong persons can anticipate long treks across superb country followed by free days at a rustic Lake Crescent cabin or in the back country. Please sign for only one trip.

(237) Olympic Park Wilderness Research Project, Washington—August 26-September 4. Leader, Kevin Ahern, California Academy of Sciences-JA, Golden Gate Park, San Francisco, CA 94118.

Last year's wilderness restoration theme in this exhilarating park continues, accented this year by possible fire ring revegetation study. There is also a small airplane wreck in Queets Basin we may try to remove. You should be prepared for some cross country backpacking among glacier-sculpted peaks and frozen lakes.



STEVE ARNON

STEVE ARNON



Trail Maintenance Projects

(238) Pacific Crest Trail, Tahoe Forest, Sierra—June 30-July 10. Leader, George Smith, 113 Grad Hall, UCD, Davis, CA 95616.

This return trip is a unique opportunity to work on and explore around the new Pacific Crest Trail. One of the most northerly of the stark, glaciated high Sierra scenic lands, the area is snowy and beautiful.

(239) Piute Pass, John Muir Wilderness, Sierra—July 15-25. Leader, Mike Bade, 6670 Trigo #1, Goleta, CA 93017.

(247) August 16-26. Leader, Steve Silverman, 5015 N. Lomita, Tucson, AZ 85718.

These trips will undertake a major construction project in the Piute Pass area. We will work near Mt. Goethe and the lakes at the head of Piute Creek. We will also have ample opportunities to explore this precipitous and beautiful area. The trips will be strenuous.

(240) Weminuche Wilderness, San Juan Range, Colorado—July 17-27. Leader, John Stansfield, 630 N. Cascade #4, Colorado Springs, CO 80903.

For our first trail work in this proposed southern Rocky Mountain wilderness we will establish a remote base camp. Plan for a moderate-to-rugged hike in, fol-

lowed by leisure life among imposing 13,000-foot peaks and cascading streams.

(241) Krebs Creek/Chain Lakes, High Uintas, Utah—July 20-30. Leader, Jon Wellman, 901 Woodland Ave., Menlo Park, CA 94025.

Last year's very popular trip in the Uintas compels us to schedule a return trip. We will concentrate on a trail re-route around four pristine lakes above 11,000 feet. Unique river gorges, dense aspen, and a possible climb of Utah's highest peak, 13,528-foot Kings Peak, should draw us from our high base camp.

(242) Deep Creek, Teton Ranger District, Montana—July 20-30. Leader, Alan Schmierer, 231 Erica Way, Portola Valley, CA 94025.

(245) August 1-11. Leaders, Bob Sleppy, 2534 San Fernando Way #1, Sacramento, CA 95818; Lucy Johnson, 520-B W. Main, Bozeman, MT 59715.

Our third year in the gorgeous Feather Woman Wilderness country places us high on the Deep Creek Divide. We will construct a new switchback trail, while the nearby Bob Marshall and Continental Divide back country assures stunning scenery and a chance for observing bighorn sheep and Rocky Mountain goats.

(243) Deer Lake, Spanish Peaks, Montana—July 29-August 8. Leader, Bruce Kingsley, Box 588, Ross, CA 94957.

From our secluded base camp we'll undertake trail relocation work to bypass large bog areas. Situated in the popular Spanish Peaks high country, the trip offers

a fine opportunity to see varied wildlife, including moose and elk.

(244) Siberian Pass, Sequoia Park, Sierra—July 31-August 20. Leader, Mike Bade, 6670 Trigo #1, Goleta, CA 93017.

Three weeks should allow us to finish our work on a three-mile re-route of the Pacific Crest Trail. An exhilarating 2-3 day hike in (one day out by a different route) takes us from Whitney Portal through the Miter Basin, Funston Lake, and Mt. Guyot. You'll have enough time to work, play, and enjoy life around our base camp.

(246) Harrison Lake Backpack, Selkirk Range, Idaho—August 3-14. Leader, Alan Schmierer, 231 Erica Way, Portola Valley, CA 94025.

The FS will direct our work constructing a new Harrison Lake (7600 feet) trail, located astride the knife-like Selkirk Crest. We shall continue with last year's popular backpack theme, which should allow us 3-4 days cross-country exploration of a few remote, snowy lakes. Backpacking experience is required.

(248) Wahoo Pass, Selway-Bitterroot Wilderness, Idaho—August 21-31. Leader, Brian O'Regan, 1562 LeRoy, Berkeley, CA 94708.

The FS has invited us to return and continue work on the Wahoo trail in the beautiful, verdant Moose Creek drainage. There should be lots of time to work and play—perhaps even snowfight—at our base camp in the largest American wilderness. Anticipate lofty peaks, meadows, and icy lakes.

STEVE ARNON





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What Can You Expect of a Wilderness Outing?

A Sierra Club trip is truly a cooperative venture. If you are ready to assume a share of the responsibilities, to offer your help without waiting to be asked, to volunteer some of your time and skills, whether it be toting water or story-telling at campfire—then we will all be happy together. But 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 like clockwork, with never a hitch, then it is likely you will be disappointed. The individual has additional obligations: he should know his physical strengths and choose outings that are on a par with them; if he is uncomfortable at high altitude, he should choose a low altitude trip; if his feet are tender, he should stop and tape them; if he has no sense of direction, he should stay close to people who have.

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 he 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.

OCEAN LIVING— THE NEW FRONTIER

The Ocean Living Institute has been formed to conduct and promote research in oceanography and independent self-sufficient forms of community living on the ocean. It will encourage individuals and business firms to form investment groups to fund construction and operation of ocean based industries, serve as a clearinghouse for ocean living contacts, publish information on legal and other aspects of oceanic settlement, publish information on new concepts in oceanography, aquaculture, and oceanic settlement, and conduct tests on new concepts and devices.

The institute is a non-profit corporation and contributions of cash and supplies are deductible for federal income tax purposes. The institute is in the formative stages, and is especially interested in hearing from people who can help to develop it.

Further information is available from, and contributions should be sent to:

OCEAN LIVING INSTITUTE
23 River Road
North Arlington, New Jersey 07032

CONSERVATION 1975 YEARBOOK

15 major articles on game and the environment. Includes outstanding 14-page history of legislation on game conservation and ecology matters. A timely article discusses the effect of the Alaskan pipeline on the barren-land caribou. Another examines in depth the effects of coal strip-mining on thin soil covers. And more. Four important indices—private organizations and Congressional Committees concerned with management of natural resources; the Fish and Game Commissions of the 50 states, Canadian provinces and Mexico; a list of motion pictures on all aspects of conservation and hunting. 96 pages, beautiful 4-color illustrations, \$4.00 postpaid. Order direct.

National Rifle Association
1600 Rhode Island Ave., NW
Washington, D.C. 20036



To all who plan to enjoy a Sierra Club outing this summer:

Your friends are welcome if they join the Sierra Club. We urge you to encourage them to do so. You may wish to explain to them why membership is required: not merely to increase membership, but to add the voices, personalities, abilities, and ideas of those who know wild places to our efforts to preserve and to protect, while we explore and enjoy.

Sierra Club outings will often take you into magnificent areas which are threatened by development, logging, and construction of dams and power plants. Only well-organized efforts will forestall such development. The success of the efforts is proportionate to the number of people involved. When your friends join us, they are increasing the effectiveness of the organized effort (The Sierra Club) that has a history of notable success in saving key areas, and in forestalling exploitation.

You will find outings in this announcement that will take you to:

- I. Places that we have helped to save:
 - #154 North Cascades, Washington (Knapsack Trip)
 - #124 & 125 Kings Canyon, California (High-Light Trips)
 - #283 Buffalo River, Arkansas (Canoe Trip)
- II. Places where we have been successful *so far* in forestalling development:
 - #213 Kern Plateau, California (Saddle-Light Trip)
 - #139 Cranberry Backcountry, West Virginia (Leisure Knapsack Trip)
 - #288 Quetico-Superior, Minnesota (Leisure Canoe Trip)
- III. Wonderful places, still intact, but yet to be saved:
 - #2 Brooks Range, Alaska (Knapsack Trip)
 - #262 & 280 Hells Canyon of the Snake River, Idaho (River Trips)

Take *your* choice!

In addition to supporting our efforts to preserve, when you join the Sierra Club you will enjoy other privileges of membership:

- The Sierra Club *Bulletin*
- Chapter newsletter
- Local group newsletter
- The opportunity to participate in outings and programs of your chapter and local group.
- The right to a member's discount in purchasing Sierra Club books and related publications.

145,000 voices now—how many more may we count by the end of 1975? Will your friends be among them?

Sanford Tepfer, *Chairman*
Sierra Club Membership Committee



H. W. ANDERSEN

BASE CAMPS

Explore and enjoy the wilderness surrounding a fixed campsite for a greater latitude in individual choice of activities than most of our other outings. Participants can choose 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 go by pack train while trip members hike to camp. 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.

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 two-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.

SKI TOURING: A new type camp for skiers, we will add a large tent or two to our normal gear for additional shelter in inclement weather, and use snow cats for support instead of pack stock. Activities, depending on weather and group expertise, will vary from cross country skiing to ski mountaineering, with overnight trips a possibility. Previous skiing experience, skill, and stamina will be a prerequisite, and leader approval will be required.

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.

(20) Smoky Mountains Photographers' Camp, North Carolina—May 26-June 2. Leader, Dolph Amster, 1205 Edgevale Rd., Silver Spring, MD 20910.

This is for the serious photographer interested in the creative aspects of his art. After one day's moderate backpack into the park, we will set up a base camp. We may move midweek, but emphasis will be on lay-over days and unplanned daily sorties. An experienced professional photographer, noted for his accomplishments in recording the natural scene, will join us to enrich campfire discussions. Fishing should be excellent and non-photographers, willing to abide the tarrying of the group, are welcome. All chores will be shared, all gear backpacked. Ability to carry one's own belongings plus shared community food and equipment is mandatory as is prior backpacking experience. Minimum age: 16. Leader approval required.

(22) Natural History of the Mono Basin, Sierra—June 21-28. Instructor, Will Neely. Leader, Bob Miller, 25 Sharon Ct., Menlo Park, CA 94025.

Mono, the remnant of an earlier Ice Age lake, is geologically rich with craters, pumice flats, lava flows and hot springs. From our base camp with Basque shepherders in a lush green meadow, we shall make daily excursions by car or by foot to an area of study: to the quicksands of the lake, to miners' diggings, Indian camps, mountains of solid glass, and possibly to the 12,000-foot Dana Plateau. Trip members will be

exposed to an intensive study of the basin and its contrasting environment under the guidance of a professional naturalist. Most hiking will be moderate. Side trips may also include the Mono-Inyo Craters, and the Mammoth Lakes region with its history of recent volcanic activity.

(24) Sawtooth Mountains Climbing School, Idaho—June 22-28; (28) June 29-July 5. Leader, Chuck Kroger, Box 332, Lakeside, MT 59922.

The camp will begin with rock and snow climbing instruction, followed by daily ascents on Warbonnet Peak and the many unclimbed granite pinnacles nearby. There will be at least one well-qualified climbing leader or instructor for every 3 students. We will camp at an unnamed timberline lake in the northern part of the Sawtooth Wilderness Area. We are not using pack stock, so members must carry their own gear up the 9-mile, 2000-foot approach to camp at 8000 feet. Leaders will pack in the food. Trip is open to all; teen-agers under 16 with the leader's permission.

(26) Sierra Nevada Natural History, Stanislaus Forest, Sierra—June 28-July 5. Instructor, John Stanley. Leader, Dick May, 7 Neila Way, Mill Valley, CA 94941.

Our base camp will be located on Lily Creek in the Woods Basin at about 7200 feet in the Stanislaus Forest. This is on the western slope of the Sierra Ne-

vada in the lodgepole pine and red fir forest which lies to the east of Pinecrest and west of the Emigrant Basin Primitive Area. We will explore this portion of the Sierra on a series of daily nature hikes. Our attention will be focused on learning about the geologic history, wildlife, wildflowers, trees and ecology of the area. Ample time will be allowed for trip members to enjoy the beauty of the area, relax with a book, or to investigate the area. Optional credit available.

(30) Lily Creek, Stanislaus Forest, Sierra—July 6-18. Leader, Dick May, 7 Neila Way, Mill Valley, CA 94941.

From our roadhead at Crabtree Camp a few miles east of Pinecrest, a very easy four-mile trail takes us through beautiful open pine forest to Woods Basin on Lily Creek. From here we will take easy day or overnight knapsack trips into upper Lily Creek or into Emigrant Basin Primitive area. Our camp, at an elevation of about 7200 feet, is in an area of lodgepole pine and red fir forest full of lakes, streams and granite. This is our easiest base camp location.

(32) Lost Lake Alpine Camp, Sequoia Park, Sierra—July 6-18. Leader, Bob Miller, 25 Sharon Ct., Menlo Park, CA 94025.

(40) July 20-August 1. Leader, Steve Devoto, 1338 Lexington Way, Livermore, CA 94550.

Under Silliman Crest on the Kings Canyon side is a

SIERRA CLUB PHOTO



secluded wilderness area where lies Lost Lake (9140 feet). Our campsite is 10 miles by a forested trail from Horse Corral Meadow. Total elevation gain is 3000 feet. Seville and the Ranger lakes as well as various unnamed waters may be visited on day hikes while knapsackers may head over Silliman Pass to Twin Lakes and interesting country beyond. Summits along the crest, including Mt. Silliman (11,188 feet) afford unusually expansive views of the back country.

(34) Agate Springs, Rocky Mountain Camp, Absaroka Range, Gallatin Forest, Montana—July 13-25. Leader, John Freiermuth, 381 24th Ave., Santa Cruz, CA 95062.

(46) July 27-August 8. Leader, Ed Miller, 31691 Crystal Sands Dr., Laguna Niguel, CA 92677.

Our camp will be located in a beautifully wooded canyon on the East Fork of Mills Creek at an elevation of 7000 feet. A moderate seven-mile hike from the 6000-foot roadhead camp makes this an ideal location. Anyone interested in backpacking, fishing, mountain climbing, day hiking, geology, nature, photography, or just leisurely vacationing, will enjoy this base camp in Southern Montana. Our roadhead will be a few miles off Highway 89 between Livingston and Gardiner, near Pray, Montana.

(36) Devils Bathub, Sierra Forest, Sierra—July 19-26. Leader, Emily Benner, 155 Tamalpais Rd., Berkeley, CA 94708.

(42) July 26-August 2. Leader, Emily Benner (see above).

A couple of miles off a jeep trail lies oval Devils Bathub, on the edge of the John Muir Wilderness. From our roadhead we will climb about 1400 feet on the five-mile hike. A camp at the far end of the lake offers easy access to alpine terrain and class 1 and 2 peaks with spectacular views of the Sierra. This transition zone with its lake, ponds, forests and nearby rocky slopes will provide a variety of activities for persons of all ages.

(38) Pioneer Basin Alpine Camp, Sierra Forest, Sierra—July 20-August 1. Leader, Sy Ossosky, 237 S. Mountain View Ave., Bishop, CA 93514.

Our idyllic camping place is in a truly alpine setting ringed by Mounts Huntington, Stanford and Hopkins. A ten-mile hike from the Rock Creek roadhead (10,300 feet) across Mono Pass (12,000 feet) will take us to our campsite (10,400 feet). Among the many delightful places to visit on hikes and knapsack trips are the nearby lakes in the Mono Recess and Hopkins Lakes Basin. Bring your fishing rod!

(48) Palisades Mountaineering Camp, Inyo, Sierra—August 2-16. Contact Ray Des Camp, 510 Tyndall St., Los Altos, CA 94022.

Camp will be as far up Big Pine Creek as we can take our gear, around 10,600 feet. Here we are located near some of the largest glaciers and finest peak climbing available in California. There will be instruction in climbing techniques on both ice and rock, and the opportunity for some great climbs on any of the dozen or so challenging peaks which comprise the Palisades. There will be suitable activities for nonclimbing family members. The leader will screen and approve applicants.

(50) Chittenden Lake, Sierra Forest, Sierra—August 3-15. Leader, Joanne Barnes, 298 Iris Way, Palo Alto, CA 94303.

Our campsite will be at an elevation of 9200 feet on a sheltered bench above Chittenden Lake. The hike in is

an easy jaunt starting through beautiful pine forest and gradually climbing the 1700 feet to the camp at the end of a stub trail. The surrounding area affords many attractive alpine lakes and streams for fishing and hiking, and on the ridge to our west marking the Yosemite Park boundary, are Gale, Sing, and Madera peaks which we may climb for a superb view of both Park and Forest.

(51) Badger Lakes, Inyo Forest, Sierra—August 3-15. Leader, Jerry Fritzsche, 961 Country Lane, Walnut Creek; CA 94598.

In this beautiful but popular area near Thousand Island Lake we will have a secluded site which will give us a high degree of privacy after an easy hike in. This country offers incomparable views with its unique geology and profuse wildflowers. For those who wish, we will ascend Banner Peak and perhaps, Ritter. But our emphasis will be on discovering the beauties of the natural world around us—by day and by night—with interpretive walks, star study, and overnight stays away from camp.

(52) French Canyon Back Country Camp, Sierra Forest, Sierra—August 9-23. Leader, Ray Des Camp, 510 Tyndall St., Los Altos, CA 94022.

A boat trip across Florence Lake followed by two days of moderate hiking will bring us to our campsite (10,300 feet) just above the floor of French Canyon on Merriam Creek. Surrounding us on every side will be granite basins studded with a multitude of large and small lakes. Nearby, Merriam and Royce peaks, both over 13,000 feet, are good climbs while in the distance, standing almost 14,000 feet is Mount Humphrey, a challenge to the really hardy climber.

(53) Death Valley Christmas Camp, California—December 21-30. Contact Ray Des Camp, 510 Tyndall St., Los Altos, CA 94022.

Winter is a pleasant season in Death Valley, with warm days and brisk, cool nights. From our camp at Texas Springs near Furnace Creek, we will explore by auto and foot as many of the fascinating parts of Death Valley as time allows. Our side trips will include peaks, canyons, points of scenic or historic interest, or places exhibiting unusual examples of biologic or geologic nature. Our aim is a leisurely trip combining a pleasant vacation with the study of natural history.

MICHAEL S. THOMPSON





JACK M. HEIDEMANN

BURRO TRIPS

On Sierra Club Burro Trips, the burros carry up to twenty pounds of your dunnage plus the food and cooking equipment. You need have no previous experience with pack animals or camping for these trips, just a willingness to help with the cooking and pot washing, and packing and leading the burros along the trail. All of the trips are suitable for novices in good physical condition, as well as for expert burro chasers, and even for children six years and older. Moves on burro trips are 6-12 miles, usually at high altitudes, sometimes over rough terrain. There are layover days on most trips.

By the end of your trip, you will have learned much about burro psychology, burro packing, and burro finding. You will discover that burros are generally lovable, affectionate, and willing but can also be exasperating and unpredictable. Most of the burros will be shared by two people so you will probably have someone to help you with a burro. Burros are easier to pack and handle than are horses or mules.

With the help of the burros, each of these trips carries out at least a few hundred pounds of unburnable trash that other travelers have thoughtlessly left behind. This ability to clean up large amounts of trash over a broad area without the use of extra packstock is exclusive to the Burro Trips. A flexible menu provides trip participants with an opportunity to help plan meals. Our propane stove is clean, efficient and conserves firewood.

This year the Burro Trips are visiting areas in and near Yosemite National Park. In general the earlier trips are at lower elevations (7000 feet to 9600 feet) than the later trips (8000 feet to 11,000 feet) because of early summer snow conditions on the high passes. With the exception of the desert Panamint Mountains trip in the spring, the scenery and weather will be comparable on all the Burro Trips.

(60) Chain Lakes, Yosemite Park, Sierra—July 2-9. Leader, Jack McClure, 75 Castlewood Dr., Pleasanton, CA 94566.

This one-week outing will start at Soldier Meadow, south of Yosemite National Park and go northwest over Chiquito Pass into the park. Several lakes are in the area including Givens Lake, Chain Lakes and Breeze Lake. Gale Peak, Red Top, and Triple Divide Peak are some of those mountains locally available for climbing.

(61) North Fork of the San Joaquin River, Sierra—July 9-16. Leader, Don White, 411 Walnut Dr., Monmouth, OR 97361.

The spectacular Ritter Range lies just to our east as we travel up this river. The river canyon is precipitous yet provides many chances for side trips up tributaries and peaks.

(62) Post Peak Pass, Sierra—July 16-23. Leader, Tom Pillsbury, 1735 Tenth St., Berkeley, CA 94710.

The abundance of lakes along this route provides excitement for the fisherman. And the scenery of Cora Lakes, Isberg Lakes and Porphyry Lake will not be forgotten. This adventure visits the area north of Soldier Meadow and south of Yosemite. There are, of course, some peaks to scramble up: Post Peak, Long Mountain, Triple Divide Peak and Isberg Peak.

(63) Northern Yosemite Park, Sierra—July 28-August 10. Leader, Ted Bradfield, 409 Washington Ave., Point Richmond, CA 94801.

A participant on this year's only two-week Burro Trip will experience the advantages of getting farther into the wilderness and having more free time. This trip is a loop from Leavitt Meadows which is located north of Yosemite. This scenic route covers part of N.F. McClure's 1894 army patrol which was written up in the *Sierra Club Bulletin* shortly thereafter. The tentative itinerary includes Dorothy, Tilden and Wilmer lakes.

(64) Hawksbeak Peak, Toiyabe Forest, Sierra—August 10-17. Leader, Doug Parr, 3416 Davis St., Oakland, CA 94601.

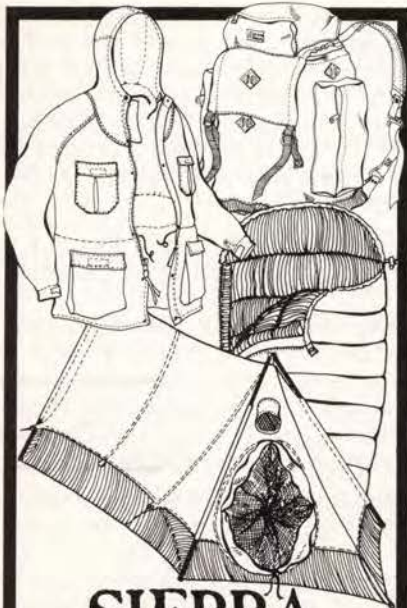
The Hoover Wilderness is the setting for this trip's route from Leavitt Meadows to Twin Lakes. Tower Peak, Ehrnbeck Peak and Hawksbeak Peak are just some of the optional climbs along the way.

(65) Suicide Ridge, Yosemite Park, Sierra—August 18-25. Leader, Brett White, 411 Walnut Dr., Monmouth, OR 97361.

This trip brings one close-up to the Sawtooth Range of Northern Yosemite. The Slide, Finger Peaks, and Burro Pass are highlights along the way. Beginning at Twin Lakes, we will zigzag through Yosemite until we exit along Green Creek.

(66) Shepherd Crest, Yosemite Park, Sierra—August 25-September 1. Leader, Dan Holmes, 11 Cresta Blanca, Orinda, CA 94563.

The top of Shepherd Crest is the site of a gradually sloping valley that was untouched by the glaciers. We will also visit Miller Lake and McCabe Lakes. The trip will begin and end at Green Creek.



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Tips for Wilderness Travel

Suitable clothing varies somewhat with the type of trip taken and the area traveled. One standard rule, however, applies to almost any trip: go light! Jeans are hard to beat, and other staple items include one or two warm sweaters, a light windproof jacket, and adequate rain gear. A good pair of hiking boots or shoes is essential. The following publication contains invaluable information: *Cutter's List*, a leaflet by Dr. Robert Cutter on clothing and equipment, sent to applicants for all outings, or on request.

As with clothing, the most important rule of thumb for outing equipment is to buy the best and travel light. Remember that good quality is not always synonymous with high price, so do some research before you buy. Most trip supplements offer suggestions for personal equipment and indicate which items of general equipment, such as cooking utensils, will be provided by the club. *Knapsacking Equipment* (75c), edited by Jim Watters, contains detailed information on how to judge and select lightweight equipment. Order directly from the outing office.

Each trip leader is supplied with first-aid equipment, but this is for emergency use only. Trip members must bring their own supplies of suntan lotion, insect repellent, bandaids and moleskin. One major source of outing misery is blisters and here an ounce of prevention is worth a pound of cure. Blisters occur principally because people change suddenly from light shoes to "clodhoppers," from nylon stockings to wool, and then expect their feet to get along in this new environment uncomplaining and unscathed. But blisters are not a necessary evil; many things can be done to prevent their occurrence. First, boots and shoes should be of good last and fit comfortably with an allowance for socks. They should also be well broken in before the first day on the trail. The best combination of socks has proved to be one heavy and one light pair, the latter worn next to the skin. Socks should also fit without wrinkles. If chafing should develop, a supply of foot powder, adhesive tape or moleskin can often eliminate the problem before blisters form.

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Your First Trip?

A Sierra Club member about to embark on his first outing may wonder what he is getting into. Well-intentioned "old hands" may try to fill him in—and he may believe either too much or too little of what they tell him.

The truth is that a Sierra Club outing is a cooperative enterprise, and each person must be ready to assume his share of the responsibilities as well as partake of the benefits. On the outing, each member is expected to volunteer part of his time and skills.

A small staff plans and directs the cooking and camp chores with trip members expected to pitch in and help. The camper who cheerfully and competently gathers wood, hauls water or helps with the cooking, pit-digging or fire-quenching will take pleasure in helping and find the experience rewarding and enjoyable. And this cooperative effort results in conducting the trip at a lower cost than a commercial enterprise.

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.

Above all, he must not become a public charge: if his feet are tender, he should stop and tape them; if he is subject to vertigo, he should keep off cliffs and talus piles; if he hasn't a good sense of direction, he should choose companions who have; if he is not comfortable at high altitude, he should choose low-altitude trips; he should know his limitations and choose an outing on a par with his capabilities. Add a philosophical acceptance of the unexpected, and you have the essence of a successful and happy high-lighter, knapsacker, burro chaser, base camper, river runner.

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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 distribution 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 southern Arizona, the coast of Mexico and two mountain ski touring trips.

For detailed descriptions of these trips, see the 1975 Spring Outings section of the November/December 1974 issue of the *Bulletin* and write to the outing office for that specific Trip Supplement of the outing you are interested in.

***(200) Cross-country Ski Tour, Rocky Mountain National Park, Colorado—February 2-7.** Leader, Kurt Newton, c/o Allyn Worman, 12143 E. Kentucky, Aurora, CO 80012.

(201) Southern Desert Ecology High-Light, Arizona—February 9-15. Instructor, Pierre Fischer, Ph.D. in botany. Leader, John Ricker, 2950 N. 7th St., Phoenix, AZ 85014.

***(300) Kauai Easter Family Trip, Hawaii—March 21-30.** Leaders, Tannisse Brown Rost, 1680 Bryant St., Palo Alto, CA 94301, and Toni Weyman.

(301) High Uintas Knapsack Service Project, Utah—March 22-29. Leader, Alan Schmierer, 231 Erica Way, Portola Valley, CA 94025.

(302) Grand Canyon National Monument-Tuckup Canyon High-Light, Arizona—March 22-29. Leader, Ray Des Camp, 510 Tyndall St., Los Altos, CA 94022.

(303) Anza-Borrego Desert Base Camp, California—March 23-29. Leader, Bob Miller, 25 Sharon Ct., Menlo Park, CA 94025.

(304) Panamint Mountains Burro Trip, California—March 23-29. Leader, Dan Holmes, 11 Cresta Blanca, Orinda, CA 94563.

***(325) Sea of Cortez Leisure Boat Trip, Mexico—March 23-30.** Leader, Monroe Agee, 13750 Rivulet Rd., San Jose, CA 95124.

***(306) Okefenokee-Satilla-Suwannee Canoe Trip, Georgia—March 23-30.** Leader, Tom Bullock, 1420 NW 30th St., Gainesville, FL 32601.

(400) Rock Creek Alpine Ski Touring Base Camp, Inyo Forest, Sierra—April 5-12. Leader, Sy Ossofsky, 237 Mountain View Rd., Bishop, CA 93514.

(401) Canyonlands High-Light, Utah—April 19-26. Leader, Ray Des Camp, 510 Tyndall St., Los Altos, CA 94022.

(500) Grand Canyon River Raft Trip, Arizona—May 4-15. Leader, Rouen Faith, 6122 Montgomery Ct., San Jose, CA 95135.

(501) Puerto Vallarta Boat Trip, Mexico—May 5-17. Leaders, Margaret and Ellis Rother, 903 Sunset Dr., San Carlos, CA 94070.

(502) Main Salmon River Highwater Raft and Horseback Trip, Idaho—May 18-23. Leader, Kurt Menning, P.O. Box 582, San Jose, CA 95106.



SHEILA SKJEIE

Knapsack Trips

(307) Unkar Basin, Grand Canyon, Arizona—March 16-22. Leader, Les Albee, 130 S. Rocky Dells Dr., Prescott, AZ 86301.

(308) Tanner-Hance Trails, Grand Canyon, Arizona—March 23-29. Leader, Bob Madsen, 3950 Fernwood Way, Pleasanton, CA 94566.

***(309) Island in the Sky, Saguaro Monument, Arizona—March 23-29.** Leader, John Peck, 4145 E. Fourth St., Tucson, AZ 85711.

(311) South Bass Trail to Tapeats, Grand Canyon, Arizona—March 29-April 6. Leader, Tom Pillsbury, 1735 Tenth St., Berkeley, CA 94710.

***(402) Kanab Canyon-Thunder River, Arizona—April 13-20.** Leader, Norm Weeden, Box 4311, Arcata, CA 95521.

***(503) Southern Canyonlands, Utah—May 17-23.** Leader, Frank Nordstrom, 800 Glade Rd., Farmington NM 87401.

***(504) Paria Canyon, Arizona-Utah—May 25-31.** Leader, Edith Reeves, 1739 E. San Miguel Ave., Phoenix, AZ 85016.

*As we go to press, these trips appear to be filled.

Sign Up Early

With the continued reduction in trip size leaving fewer places available on outings and with the initial announcement of summer and fall trips appearing now rather than previewed in a fall *Bulletin*, many trips will fill quickly. To be sure of a place on the trip of your choice, send your reservation request in early.