



The Rambler

Official Publication of
THE WASATCH MOUNTAIN CLUB

Salt Lake City, Utah

May 1967

CLUB ACTIVITIES FOR MAY 1967

Register for all trips at Club Headquarters, 363-7150

- May 4
Thurs. CLIMBING AT STORM MOUNTAIN PICNIC AREA - About three miles up Big Cottonwood Canyon. Longer days and DAYLIGHT SAVINGS TIME allow us to start multi-pitch practice climbs, easy and hard, on the sound quartzite on and across from Storm Mountain. Hard hats are required for climbing. Refreshments after. Meet on north side of the reservoir, near the dam.
- May 4 - 7
Thurs. - Sun. HAVASU CANYON -- Turquoise waterfalls against a background of orange travertine and sandstone canyon walls as well as warm, green pools are a few of the many spectacular sites to be seen on this trip into the Grand Canyon. There may be a few spaces left on the bus. Call Ann McDonald (277-0816) for more information.
- May 6
Sat. BEGINNER'S CLIMBING CLASS -- 1st session. Register by May 4 at club headquarters, pay \$3.00 registration fee at this 1st session. Meet at the "Y", mouth of Little Cottonwood Canyon by 8:00 a.m. Bring lunch, water, hard hat, rubber-soled shoes, sling material. For information, contact Dave Allen (278-0230).
- May 6
Sat. GRANDEUR PEAK -- El. 8299. Rating 5.0. An early season hike close to town with a wonderful view from the summit. Leader, George Smith. Meet at Red Carpet Inn, 3923 Wasatch Blvd. at 8:00 a.m. Register by 5:00 p.m. Friday, May 5, at Club headquarters.
- May 7
Sun. MULE HOLLOW WALL - EXPERIENCE CLIMB -- This wall of solid quartzite offers short (4-6) pitches of climbing leading to the pinnacled ridge. The rock is sound and steep, the ridge top view enjoyable, and the scramble to the descent route very alpine. Register at club headquarters by May 4. Contact Dave Allen (278-0230) for details.
- May 11
Thurs. CLIMBING AT STORM MOUNTAIN -- Summer and the lure the high peaks are drawing near. Are you ready for their challenge? Come to the cliffs of Storm Mountain and get the feel of sound rock again. Everyone welcome. Climb, watch, or socialize. Refreshments at dusk.
- May 13 - 14
Sat. - Sun. DRUID ARCH CANYONLANDS PACKTRIP -- A new trail has been developed this year in Canyonlands. It winds its way through and over sedimentary formations in a labyrinth of exciting beauty. The route is skillfully planned to take advantage of the many unique features of the area's geology and terminates in one of Utah's most spectacular creations of nature--Druid Arch. This will surely rank as one of the better packtrips to the "South". If the work by the National Park Service on this trail is any indication of the direction to be taken in Canyonlands regarding conservation and recreation, we will have much to

COVER PHOTO by Alexis Kelner of the Great West Wall, Lone Peak Cirque.

enjoy in the future. The trip is 7 miles each way and somewhat strenuous but would not necessarily rule out beginner packers and older children all of whom are especially welcome. Transportation will be in individual cars, leaving Salt Lake Friday evening. Register by 5:00 p.m. May 11. For more information call Mike King (486-9705).

May 13 - 14
Sat. - Sun.

DOLORES RIVER FLOAT TRIP -- From Gateway, Colorado to its confluence on the Colorado River. An intermediate to advanced trip. The Dolores is a small but testy river and should provide us with an interesting weekend. There might be time for a little hiking in the side canyons, etc. Work party will meet at the Ice Plant (430 W. 2nd N.) at 2:00 p.m., Sunday, May 7th. Register by paying your fee (\$21.00) at Club Headquarters by 5:00 p.m., May 9th. Departure time is Friday, May 12th, 7:00 p.m. sharp, from the Ice Plant. For information contact the trip leader, Del Wiens (487-2584).

May 13
Sat.

BEGINNER'S CLIMBING CLASS -- 2nd Session. Meet at 8:00 a.m. in the lower parking lot at Storm Mountain Picnic Grounds, Big Cottonwood Canyon.

May 14
Sun.

MULE HOLLOW -- From Storm Mountain Reservoir. El. 8,400. Rating 4.5. So many years have passed since the Club has taken this hike that an "old timer" knowing the route is greatly needed to lead the way. Let's see how many lifetime members we can get out to this Sunday hike. Register by 5:00 p.m. Sat. May 13. Meet at the Reservoir at 9:00 a.m.

May 18
Thurs.

CLIMBING AT STORM MOUNTAIN -- These sessions are invaluable to climbers of all degrees of competence. Discussion and interchange of ideas - meeting of fellow climbers - trips and personal instruction - and, of course, climbing. Refreshments after.

May 20
Sat.

M T. OLYMPUS -- El. 9,026. Rating 8.0. A popular intermediate hike that has become a tradition in the club. Continue your conditioning for longer summer hikes with this one. Leader, John McDuff. Register by 5:00 p.m. Fri., May 19. Meet at Pete's Rock at 8:00 a.m. Bring water and lunch.

May 20
Sat.

BEGINNER'S CLIMBING CLASS -- 3rd Session. This is the snow session - all relatively experienced climbers are welcome for snow practice. Bring ice axes. Meet at 6:00 a.m. at the lower parking lot at Storm Mountain.

May 21
Sun.

LODGE WORK PARTY -- During the past ski season, our lodge was used almost every weekend by members or rentals. We must now give it a very thorough cleaning for the summer session; we must begin installation of new restroom facilities, patch the roof and complete other minor improvements. The WMC needs YOU to help! As members of a cooperative club please bring your cooperative shovels, mops, buckets, hammers, etc. If you would like to head a particular activity such as

plumbing, carpentry, snow removal, furniture, windows, floors, first aid equipment, kitchen, storage rooms, or work party lunch, please contact Bob Bucher (322-6566 or 363-9805) by May 8. LUNCH FOR ALL WORKERS.. but to eat you must register by 6:00 p.m. May 20.

May 21
Sun.

LITTLE COTTONWOOD CANYON - EXPERIENCE CLIMB -- Excellent climbing is available in this canyon on the lower granite walls. This is a short (4-6 pitches) introduction to the world of severe climbing. However, the climbs can be conducted at a leisurely pace, an advantage not found on the high peaks. Contact Dave Allen (278-0230) for details.

May 25
Thurs.

CLIMBING AT GATE ROCKS -- Meet at the closure gate in Little Cottonwood Canyon. This will be a semi-seminar on the art form of bouldering. Multi pitch climbing will also be available on such formed climbs as Beckey's Wall, Split Pants, or Schoolroom. No refreshments - we give the cooks a break. However, everybody is welcome, for bouldering can be a hilarious ball.

May 27 - 30
Sat - Tues.

YAMPA-GREEN FLOAT TRIP -- From Deer Lodge Park, Colo. to Split Mtn., Dinosaur. Beginning to intermediate trip. A traditional Memorial Day weekend float. This year we have 4 days, which should allow time for exploring some of the interesting side canyons in this area. Work party will meet at the Ice Plant (430 W. 2nd N.) at 2:00 p.m. Sunday, May 21st. Register by paying the fee (\$29.00) at Club Headquarters by 5:00 p.m., May 23rd. Departure time is Friday, May 26, 7:00 p.m. sharp, from the Ice Plant. For information contact the trip co-leaders, John MacDuff (484-1634) and Del Wiens (487-2584).

May 27 - 30
Sat. - Tues.

JONES HOLE-DINOSAUR NATIONAL MONUMENT BACKPACKING -- A hike the Club has not taken in several years. The trail begins at Island Park and passes through pinion and juniper forests before dropping into Jones Hole Creek, surrounded by high, protecting cliffs--a total of 7 miles. Many opportunities are available for leisurely exploration of neighboring canyons the second day, and some will want to hike to the rim of Ladore Canyon for a view of the river and possibly some river-rats. Memorial Day can be spent visiting the dinosaur quarry and exhibits near Vernal before starting home. For more information call Carl Bauer (355-6036). Register before 5:00 p.m. Thurs., May 25.

May 27 - 28
Sat. - Sun.

TETON TRIP -- We shall (hopefully) base camp at Jenny Lake. This relaxed weekend will extend for four days for those who can "con" the extra day. Climbing and hiking will be done daily. Everyone welcome. (Hikers come along!) Contact nasty Dave Allen (278-0230) for information.

CLIMB THE MOUNTAINS and get their good tidings. Nature's peace will flow into you as sunshine flows into trees. The winds will blow their own freshness into you, and the storms their energy, while cares will drop off like falling leaves.

-- John Muir

- May 28
Sun. STORM MOUNTAIN VIA FERGUSON CANYON -- El. 9,524. Rating 9.0. For those unable to leave town for the holiday weekend. A leader is needed for this hike. Bring water and lunch; meet at the mouth of Big Cottonwood Canyon at 8:00 a.m. Register by 5:00 p.m. Sat., May 27.
- May 30
Memorial
Day LAKE MARY (rating 1.5) & LAKE CATHERINE (rating 2.5) -- A relaxed hike from the Club lodge on a well-traveled path. Families may want to take a picnic lunch to eat at one of the lakes. Obtain a "nature guide" from the Ranger Station before starting and follow the markers along the trail. The first person to register will be leader. Meet at the lodge at 9:00 a.m. Register by 5:00 p.m. Mon., May 29.
- June 1
Thurs. CLIMBING AT STORM MOUNTAIN -- The first line of defense in climbing is not to fall. The second line, if a fall occurs, is the belay. As such, a seminar will be held on belaying this evening. This will combine discussion by our group on the subject with actual practice. Refreshments after. Everyone welcome - belaying can be handy for hikers in a tough spot.
- June 4
Sat. - Sun. GREEN RIVER FLOAT TRIP -- From Echo Park at the confluence of the Green and Yampa Rivers to Park Headquarters in Dinosaur Nat. Mon. Beginning to intermediate trip. This should be a leisurely trip with ample opportunities for hikes into the various canyons, such as Jones' Hole. For anyone who missed the Yampa-Green Memorial Day Run, or would like a shorter trip in this interesting canyon country, this is the trip for you. The work party will meet at 6:00 p.m. (or as soon after 5:00 as you can make it), Wednesday, May 31st, at the Ice Plant (430 W. 2nd N.) Note this change in traditional time of work party from Sunday to Wednesday afternoon and evening. Register by paying trip fee (\$18.00) by Wednesday, May 31st. The trip leader will be designated later. For information at this time contact Del Wiens (487-2584).
- June 3
Sat. MT. SUPERIOR FROM LAKE BLANCHE -- El. 11,132. Rating 11.0. (Rating 5.0 to Lake Blanche). Two destinations will be combined to provide a choice of easy or difficult hiking. The area surrounding L. Blanche is beautiful as is the view from Mt. Superior's summit. Carry lunch and water and meet at the mouth of Big Cottonwood Canyon at 8:00 a.m. Register by 5:00 p.m. Fri., June 2.
- June 4
Sun. SUN DIAL EXPERIENCE CLIMB -- Above Lake Blanche. If enough interest is shown this could be expanded to include the whole weekend. Talk it up at the Thursday sessions. Register with Dave Allen (278-0230) by Thursday, June 1.
- June 4
Sun. BIKE TRIP -- Those interested in an early summer cycling trip call Ellen Catmull (359-6005) and suggest where we should go.

- June 10 - 11 CLIMBING WEEKEND AT THE LODGE -- The lodge will
Sat. - Sun. be open at 1:00 p.m. Saturday. Climbers bring your shoes and sleeping
bags for a quiet weekend. Don't forget your slides for an evening
slide festival. Everyone is welcome either day or night. There will
be no folk dancing. For those wishing (and who register), there will
a short climbing fundamentals review at 3:00 p.m. Saturday. For the
review, register with Tom Stevenson (486-8612).
- June 10 - 11 LONE PEAK HIGH CAMP
- June 24 - 25 TETON HIGH CAMP - GARNET CANYON
- June 30 - CANYONLANDS BACK - COUNTRY -- Anyone with a jeep
July 8 is invited to travel all or part of a tour into the back country of
the canyonlands. Addition west of the Green River; Monument Valley;
northerly Navajo Reservation; and boat trip to Rainbow Bridge. Call
Ed Cook (363-9170) for details.
- Jun 17 - 20 GREEN RIVER -- Desolation and Gray's Canyon. Intermediate to
advanced river-running trip.
- Jul 1 - 9 SALMON RIVER -- Middle Fork. Advanced river-running trip.
- Jul 1 - 4 WIND RIVER CLIMBING AND PACKING TRIP
- Jul 22 - 24 GREEN RIVER THROUGH LODORE CYN. TO SPLIT
Sat. - Sun. MTN. IN DINOSAUR -- Intermediate float trip.
- Jul 22 - 24 WIND RIVERS - CIRQUE OF THE TOWERS
- Jul 22 - 24 PAINTBRUSH CANYON AND THE ALASKA BASIN --
To the Beautiful Tetons -- A long but exciting hike through varying
terrain. The Tetons can be seen from all angles, since the trail goes
around them from the valley to the west side. Wonderful trip!
- Jul 29 - CANADA '67 - A CLIMBING TRIP TO THE
Aug 13 SELKIRKS AND THE ROCKIES
- Aug 5 - 6 COLORADO RIVER -- Westwater Canyon. Intermediate to advanced
river-running trip.
- Aug 19 - 20 GREEN RIVER -- Flaming Gorge Dam to Gates of Lodore. Beginning
float trip.
- Sep 2 - 4 SNAKE RIVER -- Jackson Lake to Alpine. Beginning float trip.
- Oct (?) THE ZION NARROWS

FOR SALE: Voightlander Prominent II 35 mm camera, f 1.5 50 mm standard
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KENNECOTT IS ASKED TO LEAVE UNTOUCHED
COPPER CLAIMS IN WEST - Secretary of
Agriculture says Open-Pit Mining Would
Help Destroy Wilderness Section

SAN FRANCISCO - Secretary of Agriculture Orville Freeman issued what he termed his first public appeal to Kennecott Copper Corp. to leave untouched "valuable" copper claims it holds in the North Cascades of Washington.

Mr. Freeman, signaling the first round of a probable new conservation battle, charged that open-pit mining in area, northeast of Seattle near the Canadian border, would help destroy one of the most beautiful mountain wilderness sections in America. "I urge the management and directors of Kennecott Copper Corp., who will make this decision, to consider and weigh most carefully the very real and transcendent values that will be destroyed if mining is begun," he said.

The secretary said Kennecott owns or holds valid claims on more than 3,000 acres in the 350,000-acre Glacier Park Wilderness Area, part of the Federal Government's program to protect wild areas. Mr. Freeman noted that under the Federal Wilderness Act, Kennecott has "the right to develop it, if they insist," because the company's claims predate the Federal classification. Kennecott, he added, has "given every indication of planning to go forward (with mining) in the very near future.

Mr. Freeman's appeal was made at a news conference and in a speech at the 10th biennial Wilderness Conference, sponsored by the Sierra Club. Ironically, he called on the Sierra Club to "take every possible opportunity to inform the officers and shareholders of the company and the American public of the issues at stake. . ."

The Sierra Club, a vocal conservation group, recently found its tax-free status had been revoked by the Internal Revenue

Service because of its campaign against Government proposals to build two dams in the Grand Canyon area. Mr. Freeman acknowledged at the new conference "similarities" between the club's Grand Canyon drive and what he was asking it to do, but declined to comment on the IRS vs. Sierra Club issue.

In his speech, Mr. Freeman argued that neither the war effort in Vietnam nor the civilian standard of living would suffer if the copper deposit were left untouched. "This isn't the only undeveloped copper deposit in the U.S. Others exist, perhaps less valuable, perhaps more costly to develop. Some are in the Upper Lake states--in areas of high unemployment--where development could both decrease the jobless rate and leave wilderness values unimpaired."



WHO HAS
KELTY
?

REDWOOD NATIONAL PARK BATTLE STILL ON

Editor, The Rambler
Wasatch Mountain Club

Dear Editor:

As secretary of the Federation of Western Outdoor Clubs, I receive many publications of our member clubs, and just received your last issue of The Rambler. I do so enjoy it! Especially the news of river runs. I just wish I lived close enough to take part in some of your river trips. I'm going to be lucky enough to have another run down the Grand this June, but some of your weekend runs sound great, too.

Though we seldom hear from you over there, it's gratifying to know that you are becoming more and more interested and active in conservation, too. And of course, it's far more important that you are active than that we hear about it. I wonder if you could drum up a few letters favoring the redwood national park in the Redwood Creek-Prairie Creek area, as set forth in our Federation Resolutions of the past couple of years? The redwood battle still goes on, and the redwood cutting still goes on, too, unfortunately, in spite of the alleged "moratorium" on cutting in the various areas which would be encompassed in the different bills. Strategic hearings go on in Washington, D.C. April 17 and 18, before the Senate Interior Committee. Best Senate bill is S. 514. Letters to your own Senator Moss or to the chairman, Henry M. Jackson, would help a lot. Ask that they be included in the record of the hearing. As of now, the Federation just cannot afford to send a representative back to Washington, though we considered doing so, but Mike McCloskey of the Sierra Club, and who was formerly Federation Northwest Conservation Representative, will also represent us. See what you can do there in your bailiwick, please. An official club letter would help, but so would as many individual letters as possible. Especially to Senator Moss.

Thanks so much for keeping me on your mailing list; I really enjoy your Rambler so much.

Sincerely,

Mrs. Betty Hughes, Secretary
Federation of Western Outdoor Clubs

LET'S NOT LOSE THE REDWOODS

Coming before this session of Congress are three proposals to create a redwoods national park. Unfortunately, Capitol Hill observers give one - the Sierra Club's plan for a 90,000-acre park in Humboldt County, California - little chance at all; and the second - the Administration's call for a 45,000-acre park in adjacent Del Norte County - at best only a fair chance for passage.

The third proposal - offered by Don Clausen, a California congressman - would set up a national park made up of three existing state parks and a connecting seacoast corridor. It has received little publicity and not much support.

As part of his message on protecting our national heritage, the President asked Congress in late January to establish a redwoods park as a "last chance" conservation opportunity. The Sierra Club estimates that some 85% of the virgin redwood has been felled and 12% is scheduled for logging, leaving only 3% in state parks.

There is growing concern in this nation about the preservation of our natural resources; and National Audubon Society Vice-President Roland Clement notes, "We are happy to see a considerable awakening of public conscience among corporations relative to conservation."

Unfortunately, the companies opposing the large redwoods national park do not share this feeling. Ranged in opposition are five logging companies that

would lose some or all of their land in the proposed sites: Arcata Redwood Co. (Eureka, Calif.), Georgia-Pacific Corp. (Portland, Ore.), Miller Redwood Co. (Crescent City, Calif.), Pacific Lumber Co. (San Francisco, Calif.), and Simpson Timber Co. (Seattle, Wash.).

Georgia-Pacific executives have testified that losing their redwood lands would, in effect, put them out of business at Samoa, Calif., where the company has a 175,000 tons/year pulping mill and 85 million board-feet/year lumber mill. Simpson says its operations would be crippled by loss of the portion of its 245,000 acres involved.

The companies argue that the number of people visiting California's existing redwood parks is so low that the need for new parks is questionable. They further point out that much of the land in the proposed sites has inclement weather, and at higher elevations the redwoods are mixed with other species.

Essentially, the companies are saying that the number of tourists visiting a redwood stand is the only legitimate measure of the stand's worth. This dubious criterion overlooks the grove's distinct botanical and ecological value.

To some extent, the companies have already recognized the redwood's public value. They have opened 395,000 acres of their land to public activity and have offered to make available, through sale or exchange, some 8,000 acres of redwoods for incorporation into new or existing parks.

Congressional observers point out that with industry backing a redwood park proposal would easily go through Congress; without it no bill stands a chance. We urge that the companies involved make more than a token gesture to save our redwood heritage, that they help in selecting a site that will best serve the interests of the nation. And we urge Congress to act swiftly, and justly compensate the

companies for any losses incurred. To do less would incur an irretrievable loss.

(From Chemical Week.)



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GRAND CANYON IS STILL IN DANGER

CONGRESS WILL RESPOND
TO AN AROUSED PUBLIC.

Here is the information
you need to help

SAVE GRAND CANYON

An all-purpose bill authorizing dams in the Grand Canyon of the Colorado failed to pass the 89th Congress. New legislation has been introduced in the 90th Congress, and it still contains those dams! The key proposals are:

HR 3300, Wayne Aspinall, D. Colorado
HR 9, Morris Udall, D. Arizona
HR 722, Craig Hosmer, D. California

HR 722 is almost identical with HR 4671, which died in the 89th, and contains two dams: at Bridge Canyon and Marble Canyon. HR 9 and HR 3300 both contain the same high Hualapai Dam which was proposed before and which would back water through Grand Canyon National Monument and into the National Park. These last two bills would also authorize a National water Commission and the Central Arizona Project - the adeduct system which would bring Arizona its share of Colorado River water. HR 3300 also contains five reclamation projects in Colorado and New Mexico, a reconnaissance study of importation, and a provision in Title VI giving the Upper Basin River Commission control of releases from Glen Canyon Dam.

THE DAMS ARE NOT NECESSARY

Revenue from the proposed Grand Canyon Dams is not necessary for construction and maintenance of the Central Arizona Project (CAP). Reclamation Commission Dominy testified in May, 1966, that CAP could be financed by revenues from existing dams: Hoover, Parker, and Davis, and "...if it were done you could theoretically do it and actually have a

small remaining surplus of about \$100 million."¹ Interior Secretary Udall has offered a CAP plan without any Grand Canyon dams.

The high Hualapai Dam in HR 9 and 3300, and the two dams in HR 722 are proposed primarily to finance importation of water into the Colorado Basin. The Colorado River in Grand Canyon should not be dammed for any reason, least of all the tenuous possibility of massive inter-basin water transfer.

It is questionable whether the dams, if actually built, would ever produce any revenue, or even pay for themselves. The estimated cost of the dams is \$750 million - \$539 million for Hualapai alone - and this estimate has not changed since 1947. With the anticipated Upper Basin water use, there will be very little water flowing past Lee's Ferry by 1990 anyway.²

Arizona wants CAP; Colorado wants the five projects and the Title VI provision. These can be authorized without Grand Canyon dams: the American people want Grand Canyon.

MAKE IT ALL A PARK - NOW OR NEVER

There is one way by which the Canyon can be preserved forever in its present grandeur-as a National Park! National Park status conferred now would protect the entire 278-mile geologic entity of the Grand Canyon, from Glen Canyon Dam to the headwaters of Lake Mead, from commercial development.

¹Hearings on HR 4671, House Committee on Interior and Insular Affairs, p. 1378.

²Tipton and Kalmbach "Water Supplies of the Colorado River," July. 1965.

Although the present National Park and National Monument encompass some of the Canyon's most spectacular features, there are unique geologic and ecologic features, as well as region of unmatched beauty, now outside these boundaries. Water behind the proposed dams would inundate Vasey's Paradise, Redwall Cavern, Lava Falls, and other areas, in every way the equal of the present National Park.

HR 1305, introduced by John Saylor (R., Pa.) would extend the boundaries of Grand Canyon National Park to include virtually the entire Grand Canyon. Almost all of the Kaibab Plateau, however, would still be open for hunting. This Greater Grand Canyon National Park bill will protect the Canyon and deserves your support.

AND WATCH OUT FOR THE FPC!

We could lose Grand Canyon in an FPC decision, while working to save it in Congress! An application by the Arizona Power Authority to construct hydropower facilities at both dam sites is now pending before the Federal Power Commission. Action could be imminent on the Marble site. The Congressional moratorium on FPC action ended December 31, 1966, but a bill (HR 1272) has been introduced which would extend the moratorium until December 31, 1969, and would protect the Canyon until Congress has had an opportunity to act.

A LEGISLATIVE SUMMARY

Oppose

HR 9 } which would authorize a high
HR 3300 } Hualapai Dam
HR 722 } which would authorize both a
high Hualapai dam and Marble
Canyon Dam

Support

HR 1305 which would extend the boundaries of Grand Canyon National Park to include both dam sites
HR 1272 which would extend the moratorium on FPC action for three more years

WRITE to your Congressman urging opposition to HR 9, HR 3300, HR 722, and support of HR 1305 and HR 1272. Hearings are going on now!

WRITE to the Federal Power Commission, Washington, D.C. and urge the Commissioners not to license the Arizona Power Authority hydroelectric facility at Marble Gorge (FPC Application #2248).

For more information and background material, as well as a list of your Congressmen and the member of the Federal Power Commission, write to:

Grand Canyon Workshop, COSCC
2422 S. Downing St.,
Denver, Colo. 80210.

THE GRAND CANYON WORKSHOP NEEDS HELP!

The new Congress is already considering bills that propose dams in Grand Canyon. Our fight to stop the dammers has begun again. In the last Congress an aroused public saved Grand Canyon; this same American public must act again.

The Grand Canyon Workshop has distributed over 100,000 pieces of literature and 16,000 bumper stickers in all fifty states. Groups were started in Washington, California, Arizona, New Mexico, New York, Texas, Utah, Michigan, Ohio, Maryland, Illinois, Maine, Wisconsin, Massachusetts and the District of Columbia which have largely been supplied by material from the workshop. The Workshop helped run ads in the Christian Science Monitor and Denver Post, and collaborated on an hour-long TV program. It is circulating free of

charge five copies of the Glen Canyon film "The Place No One Knew." This work has been paid for by donations. The Grand Canyon Workshop is in the red. If we are to wage another successful campaign against the dams during this Congress, we need any help you can give us again. Your donation is not tax deductible, but whether you like it or not, you have already contributed to the Bureau of Reclamation's dam project with taxes.

Any contributor of \$10 or more will receive a portfolio of 10 color plates from the Sierra Club book "Time and the River Flowing: Grand Canyon."

Available from the Grand Canyon Workshop in LARGE and SMALL quantities (FREE ON REQUEST, although these cost two to five cents each to print):

1. Information in this article, illustrated.
2. This article, with a summary of nuclear power development on one side (you can send it to your Congressman).
3. An updated 3-page folder "Facts About the Grand Canyon Dams"
4. Two single-page sheets describing HR 4671, last year's Grand Canyon Dam bill, and the political tangle it created
5. A list of your Congressmen, members of the Federal Power Commission, and members of the House Committee on Interior and Insular Affairs

SAVE GRAND CANYON bumper strips (in green or Grand Canyon red) - 10 cents each

SAVE GRAND CANYON envelope stickers - \$1.00 per 100.

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WHO HAS
KELTY
?

NOTES ON BIG BEACON

by Fred Bruenger

For several years the hike up Big Beacon was plagued by low attendance and mostly unpleasant weather. In spite of the weatherman's prediction (it was conference week-end and by tradition, it just had to be rainy) bright sunshine and a blue sky welcomed an unexpected group of 24 people at the "This is the Place Monument". They fought their way up the mountain side following two different routes. Although there was some question which route was the easier, the brushy one or the steeper with no marked trail at the lower end, nobody seemed completely exhausted when reaching the top.

Even though it was a very easy walk compared to the hike up Mount Olympus taken by a different group the day before, it was a successful kickoff to a summer filled with more exciting activities planned to suit taste, interest and abilities of every mountain clubber.

HERMANN HAERTEL HOSPITAL FUND

The Hermann Haertel Hospital Fund has received a total of \$93.00 from 35 club members, including 4 contributions in the \$10.00 - 25.00 category. The fund will be closed out as of May 15; if you wish to make a contribution, (\$1.00 per member suggested) please mail to June Viavant, 676 S. 12th E. SLC 84102.

CONSERVATION NOTES

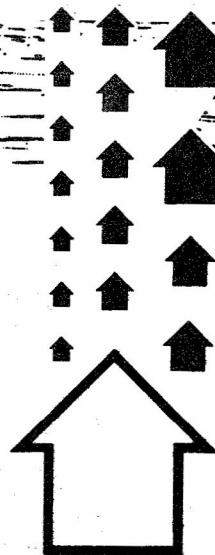
Bill Viavant will give a short version of a course on "How to Work Under the Wilderness Act" from materials he obtained at the Biennial Wilderness Conference. The course will be given at 7:30 p.m., Wednesday May 10 at Student Union Bldg. Phone Bill Viavant (364-9684) for further details.

YOUR CLUB NEEDS YOU--MEMBERS ARISE

by June Viavant

The amount of work done by the dedicated few in the club is simply phenomenal; but if we are to keep up our tremendous program of activities, we need more people to pitch in with the work. We know some of you are very willing to help but don't know how to take the first step toward getting involved. So here is that first step! Evaluate your time and talents on the card enclosed in this issue, stick on a 5¢ stamp and mail it as a postcard. (Post Office says card size is legal if 5¢ stamp is used.) We need a return from every single local member.

Thanks!



MOUNTAINEERING RAMBLINGS

by Dave Allen

A busy program is scheduled for climbing this summer. A few of the trips are noted in The Rambler. However, based on past experience, there will be more people desiring to go on the trips than there will be leaders to handle them. Although our experienced climbers are that, they are not trained guides capable of handling 4 or 5 neophytes on one rope on a big mountain. Therefore, let's all prepare for these climbs.

Besides practice sessions, some reading will help. One excellent book is Mountaineering, Freedom of the Hills, prepared by the Seattle Mountaineers. The book is designed as a text for climbing courses - consequently, it covers the subject in great depth. The book is organized in five parts covering the approach, rock climbing, snow and ice climbing, hazards of climbing and avoidance of them, and the climbing environment. Although some details are dated, they are on the conservative side or of relatively minor importance. This book should be mandatory reading for anybody attempting to travel in Alpine regions.

Many books can supplement the above basic text. An excellent one is Rebuffet's On Snow and Rock. The verbiage, well-written as it is, is kept to a minimum. The basic message is told through the excellent photographs. Analysis of the photos will show the student correct position for almost any conceivable situation. However, beware the sections on belaying and direct aid climbing - the sport has made many advances. Two other excellent, though more specialized, books are also readily available. They are: Belaying the Leader, and Manual of Ski Mountaineering. Although there are other general technique books available, the beginner should tread with caution, for they are generally more dated than the above. Remember though, that while reading can

accelerate the learning process, it is still no substitute for practice and experience.

CANADA '67: July 29 - August 13

As mentioned before, WMC mountaineers and hikers are going to Canada for two weeks. The adventure and joys of climbing and hiking in the Selkirks or the Rockies need not be pressed upon those who have been there - they know, and thus may stop reading now. However, a little detail is probably in order for those who haven't been there.

The Selkirks are big mountains - 5000 to 7000 feet of relief. However, they are not high-only 11,000 feet, so breathing is no problem (this is also true of the Rockies). The rock is a sound, coarse-grained quartzite that offers enjoyable climbing. Glaciers form brush-free pathways, though bushwacking is needed to get to the glaciers. Finally, many peaks in the Selkirks have F2 scrambles to their summits - hiking, therefore, is an enjoyable alternative.

The Rockies are similar, but have more snow and less sound rock.

The organization of the trip will follow past practice. This means it is loose, easy, and relaxed. Base camps will be in public camp grounds, thereby allowing a luxurious amount of camping gear. Cooking will be done by individuals or groups as they desire - no centralized mess. Climbing and hiking will likewise be organized among individuals, with guidance being supplied by the more experienced trip members (this is not a guided trip). Cost of the trip is as the individual desires - there is no fixed cost or fees.

Actual organization of the trip will be accomplished during the Thursday evening climbing sessions. Dave Allen (278-0230) is coordinator - contact him for details. Everyone is welcome - climbers, hikers, wives, kids, etc.

BETTER GET YOUR "GOLDEN PASSPORT" SOON

It's time once again to shell-out \$7.00 for a Federal Recreation Area Permit, the renowned "Golden Passport". The permit allows access at no additional cost to some 7,000 federal recreation areas in which fees are charged. There are over 500 such areas in the inter-mountain region.

The permits are on sale at BLM offices in the Federal Bldg, district office at 1750 S. Redwood Rd., district offices in Fillmore, Cedar City, Richfield, Kanab, Monticello, Price, and Vernal, and at major national park entrances. New permits will be in wallet-card form. Last year's permit expired 31 March 1967.

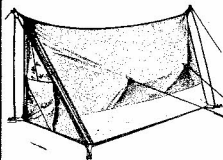
Of particular interest to WMC members are two major points: (1) The permit (or payment of daily fee) is necessary at the Storm Mountain Picnic Area; and (2) on bus trips, only the bus and driver will be admitted on one permit. Each passenger must have his own card, or pay the single-entrance fee.

SOLICITATION OF NEW MEMBERS -- The Board of Directors would like to emphasize that anyone propagandizing prospective new members should make it clear that they must attend one club function prior to submitting their application, and that they must be voted on by the Board. The Board is adamant about this provision, so make certain your candidate understands the rules. New members often wish to join so they can go on a particular trip, so don't let them be disappointed by not having their applications acted on in time. The Board meets only the first and third Wednesday of each month, so get those applications to Dale Green quickly. Another point, only club members may ride the bus. The WMC now has over 300 members! Keep up the good work!

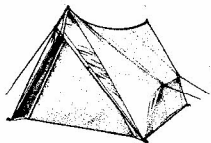
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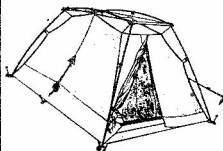
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CANYON COUNTRY OF DINOSAUR

by Harold J. Bridrick, Chief Park Naturalist

Dinosaur National Monument now includes the rugged canyon, bench, and adjacent mountain country along the Green River from the Dinosaur Quarry to the Gates of Lodore, 42.5 miles to the northeast, and a like section along the Yampa River from its confluence with the Green River, at Echo Park, upstream to Deerlodge Park, a distance of approximately 44 river miles (although only 25.5 miles by direct line). The area now comprising Dinosaur National Monument lies along the eastern part of the Uinta Mountains, largest east-west-trending range in the western hemisphere.

The geological history of this picturesque area goes back many millions of years, covering geological time from the Precambrian period to the present-day erosion which continues to reshape the area. All of the geologic formations exposed in the Monument and the area surrounding it are sedimentary, being deposited either by water or wind.

Seas repeatedly covered the area leaving behind deposits of sand, lime, and other materials several thousands of feet in thickness. The alternation of marine, shallow water lake, river floodplain, and above-sea-level conditions caused a great variation in the composition and texture of the deposits from limestones, shales, and sandstones to coarse conglomerates. Heat and pressure altered some deposits assisting in the formation of the Uinta Mountain quartzite, the Precambrian rock now exposed in Lodore Canyon.

Approximately 20 major formations (exclusive of Tertiary) are exposed within the Monument area. These range in age from Precambrian (Uinta Mountain quartzite) to Cretaceous (Mancos Shale), representing eight geological systems, three eras, and totaling more than 20,000 feet of sediments! Twelve of these formations are principally of marine origin.

Toward the end of the Cretaceous period (about 70 million years ago), forces from within the earth arched the rocks of this locality into a huge dome. This formed the Uinta Mountains of today with other smaller arches and folds occurring along its flanks. As this arch was slowly uplifted, erosion cut away the rock surface almost as fast as it rose. Eventually almost all of the exposed arch was worn down, and the Green and Yampa Rivers meandered slowly across the area depositing silt and sand over the base of the old arch.

Then this area, along with the entire Rocky Mountain region, underwent another great uplift, near the close of the Eocene, producing extensive vertical elevation and faulting. Periods during which the uplift subsided permitted erosion to cut down the higher areas, filling lake basins and forming extensive flood-plains with streams meandering through them. Then, as the drainages of the Green and Yampa Rivers were lifted higher again, the velocity of the stream currents became greater and they began to erode their channels instead of filling them in as they had been doing. With the continued general uplift during the Pleistocene, entrenching of the meanders of the Green and Yampa Rivers progressed, establishing the present-day stream pattern and forming the deep winding canyons and other scenic features of Dinosaur National Monument and vicinity today.

This nutshell resume of the geological history hardly touches upon the variety of deposits that are evident to the Monument visitor, for a book-length publication is required to cover them in detail. Especially varied are the remains of prehistoric life in fossil form which they contain.

The fossils found in the various deposits of the area range from poorly preserved brachiopods and trilobites in the Cambrian, small crinoid stem plates and cup corals in the Mississippian deposits, and the appearance of silicified

wood in the Shinarump Conglomerate to the assemblage of the dinosaur fossils in the Morrison formation of the Jurassic Period. The dinosaur fossil deposit, from which the Monument derives its name, lies in the southwest corner of the Monument. For a few miles north of Vernal, Utah, the Morrison can be traced eastward into the corner of the Monument, then southeasterly along the south side of Blue Mountain, adjacent to the Monument, and again into the edge of the Monument in the Deerlodge Park locality at the southeast corner. Hence the dinosaur remains do not occur throughout the Monument proper, as many visitors naturally assume, but traces of them can be found in the Morrison at various places throughout its length.

Time and geologic processes have thus shaped an area of varied topography with a maximum elevation of 9,006 feet at Zenobia Peak in western Colorado (on the Uinta Mountain Arch) to a minimum elevation of 4,750 feet on the Green River near the Dinosaur Quarry (on a limb of the Jensen syncline). Also in the southwest corner is the Split Mountain (Black Mountain) anticline, west of the Green River, with an elevation of 7,609 feet, while east of the river this fold passes into the Blue Mountain area, attaining a maximum elevation of 8,717 feet at Tanks Peak. To the northeast of Split Mountain is the lower area of the Island Park Syncline which in turn gives way on the east to the Harpers Plateau - Wild Mountain fault block which rises to a maximum elevation on the plateau of 7,786 feet and Wild Mountain of 8,555 feet.

Through these anticlines, synclines, and fault blocks the Green River has cut a narrow channel with three major canyons (Split Mountain, Whirlpool, and Lodore). East of the Green, the Yampa River has cut its canyon through a wide depressed block, or graben, between Douglass Mountain on the north and Blue Mountain on the south, extending from Lily Park on the east to Echo Park (at the junction of the Green and Yampa

Rivers). The Yampa meanders erratically through this graben; forming deeply incised, spectacular goosenecks with hidden parks here and there along the way.

This is a semiarid land, with average precipitation of approximately 10 inches. Its vegetation is adapted to such conditions. Sagebrush, shadscale, rabbitbrush, and greasewood predominate at lower elevations, while mountain mahogany, serviceberry and other shrubs are added at the higher elevations. Juniper-pinyon associations in places cover the mountain slopes, with ponderosa pine, Douglas fir, and quaking aspen flourishing in the higher, north-facing regions and shaded, protected canyons. Cottonwood, willow, and boxelder are dominant trees along the stream bottoms.

This variety of habitats produces an equal variety of flowering plants. The Monument checklist of flora now includes 553 species of vascular plants, and is rich in rare and endemic species. Many wildflowers are in evidence throughout the area when seasons are favorable. Some hillsides appearing barren at first glance will show, upon a closer look, a covering of pink trailing phlox in early spring, and sulphur flowers later. Here and there red paintbrush will thrust up bright red spots, and patches of yellow purple beeplant, penstemon, balsamroot, daisies, and lupine will make patterns of color, followed in autumn by the yellow of senecio, gumweed, goldenrod, and rabbitbrush.

Since all of the area, except cliffs and precipitous canyon walls, has been subjected to grazing by domestic stock for many years and is still subject to grazing lease, little of the Monument can be considered to be in its original, undisturbed condition. By the terms of the proclamation which added the canyon sections to the original Monument, grazing is to be gradually phased out some years hence. Therefore, over the years, not only drought and other climatic

factors but grazing and, in some cases, over-grazing and similar conditions have had their effects and may have altered the vegetative cover appreciably. Now the Monument's wildlife must compete with domestic stock to whatever extent their habits may dictate.

Mammal life is varied, with 40 or more species represented. In addition to mule deer and bighorn sheep (the area's two large hoofed animals), pronghorn antelope range along the low country south of Blue Mountain, and may occasionally be seen in the Deerlodge Park section. Once common in the locality in earlier times, native bison and elk have disappeared. Elk were recently reintroduced nearby, and one is sometimes reported in the vicinity of Zenobia Park. The usual carnivores (including occasional mountain lions) are present, but the black bear is rare and its presence, other than as a transient visitor, is doubtful. Small rodents predominate and numerous species are present, but checklists are not yet complete.

The great range in elevation and habitat encourages a variety of birds during the four seasons of the year. Since observation records are incomplete, the current checklist of 120 species can only be considered as partial; many additional species have been recorded nearby, but not from the Monument proper. Golden eagles are often seen, and bald eagles are in evidence in several localities during the winter in particular. Both the Green and Yampa Rivers have a population of Canadian geese which nest along the streams on rock shelves or islands; ducks are also common throughout these canyons.

For a number of years the best known feature of Dinosaur National Monument, and the principal objective of its visitors, has been the dinosaur fossil quarry development which has now been greatly improved under the Service's MISSION 66 program. Due to the unique nature of the quarry and the recent upswing of

interest in prehistoric animal life, particularly among school students, it will doubtless continue to be the major drawing card. Visitor facilities in the form of a modern campground and nature trail are provided at Split Mountain Gorge 3 miles from the quarry. Already inadequate in size due to the rapid increase in family camping, this campground has been augmented by the larger Green River Campground nearby, opened for the 1964 summer season.

Visitation to the canyon country has previously been small, and the National Park Service has been reluctant to encourage it because of the unimproved, often rocky, dusty or muddy condition of roads into and through that part of the area. Completion of the first 15-mile section of the Artesia Entrance Road has been a great step forward in alleviating this condition. Construction of the next major segment will soon provide a paved road to Harpers Corner, with overlooks available from which to view the canyon country. Future projects planned include the Blue Mountain approach road from the quarry area, the Yampa Bench and Deerlodge entrance roads and campgrounds, and other visitor facilities in the canyon section. These will make this spectacular country enjoyable to any of the visitors who have the desire to see it in the near future.

(Reprinted from Trail and Timberline, courtesy of Colorado Mountain Club.)

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