



The British Columbia Mountaineering Club

Vancouver, B. C.

Founded 1907. :: Incorporated 1912.

P. O. Box 543

TELEPHONE SEYMOUR 648

Honorary President: J. PORTER, B.E.

President: F. W. JOHNSON

Phone Kerrisdale 1871 L

Secretary: L. G. GOLMAN

Phone North 988LI

Treasurer: G. T. WALLIS

Phones: Doug. 5110 and Bay. 5940 X

Official Publication:

THE B. C. MOUNTAINEER

Editor: P. L. TAIT

1022 Nelson Street

Phone Douglas 2638 Y

Subscription: \$1.00 PER YEAR.

Published Monthly.

LIBRARY: Outings Ltd., 5th Floor

939 Granville Street.

Member of

Canadian National Parks Association,

Canadian Forestry Association,

No. 6 August, 1929 Vol. 7

THE CLUB'S ACTIVITIES

Aug 4-18. Summer Camp, Garibaldi Park, B.C.

Sept. 1-3. Mt. Shuksan, Wash. Leader, A. Spouse; endman, J. Horan.

Sept. 7-8. Wood Bee.

NOTE:—It would be encouraging to see a good turnout for this occasion that we may get our winter's supply in early before the rainy season commences.

Sept. 14-15. Traverse of White Mountain. Leader, M. M. Dodds; endman, B. Lambert; if permission is received to go above the "intake" by that date.

It is suggested that the ladies, as well as the men, when coming up the hill or trail, carry a piece or more of wood, chips

or anything that will burn and you will be surprised how many trips down hill for firewood will be found to be unnecessary. Why come up empty-handed? Try this out and see how nicely it will work towards making it easier for those who usually do the wood-getting and cutting.

When returning from the Plateau bring something also from the old cabin site and soon that will be cleared away as it should be.

Thanks.

PLEASE!

The water in our "drinking" stream is used farther down the mountainside by others as such and "must" be kept pure.

Try to observe this rule with regard to all mountain streams (and pools where same seems reasonable) and everyone will be happy.

THE CABIN PREMISES

When our Mt. Baker friends were here several noted and remarked about the view of our city and waterfront being far superior from the old cabin site than from the new. Also the dangerous fire hazard which exists at our present premises must be reckoned with and it is suggested that smokers be very careful not to throw cigarette butts away from the building, especially at this the dry time of the year. The fire hazard will improve steadily as the debris is removed and our "Natural Garden" is enlarged and the sun allowed to shine over a larger area (mountain flowers love the sunshine) and our view will improve naturally and we will in time have "a Mountaineer's Paradise" that will not be equalled anywhere along the Pacific Coast.

THE BROTHERS' CREEK OUTING

On Sunday, July 14th, nine persons took part in the quietly enjoyable botanical excursion up Hollyburn Ridge by way of the East end route, which includes that portion of the bed of the North Fork of Brothers' Creek lying above the Mahon Trail, and which joins the 22nd Street trail at Fourth Lake.

In the absence of Fred Perry, some assistance in flower-naming was rendered by H. G. Selwood, an old climbing partner of Perry's.

Those attending were Mrs. Westall, Miss C. Ericsson; Merrs. L. C. Ford (leader), W. Taylor, W. C. Westall, T. Carroll, T. W. Campbell and H. G. Selwood; of whom Miss Ericsson, L. C. Ford and T. Ward climbed the peak which is 4300 feet above sea-level.

AN ALPINE'S DIET

E. A. Fitzgerald, F.R.G.S., in his account of his "Climbs in the New Zealand Alps" makes mention of his comrades' experiences in which he says, "I found out from them that in their previous excursions in these Alps they regard it as a good thing to eat plentifully about every two hours, and when going out to bivouac they carried enormous amounts of uncooked provisions, such as rice and flour, and of course had also to take great loads of wood to make a fire with which to prepare them. I attribute their failures in Alpine climbing in many instances to this habit of overloading themselves, especially as they have not had the necessary training for it like our Swiss Porters, and therefore have not the requisite strength. They fatigue themselves unnecessarily by carrying a bulk and weight of provisions that is far in excess of their requirements. "When great physical exertion has to be gone through it is unadvisable to overload the stomach."

Some people will say that it is a bad thing to drink frequently when taking

hard exercise at high altitudes, but I have known several first class mountaineers who drink whenever they get a chance, and who find that it does not impair their walking in the least while others cannot touch a drop if they wish to keep going; it is a case of the old proverb which says that "What is one man's meat is another man's poison."

ANEROIDS

As a means of obtaining altitudes, the Aneroid is satisfactory, provided that the observer does not require to be particularly accurate.

Bellville's short formula, applied to such a purpose, as finding the rough altitude of a peak would be as follows:—

$$D=(L-U) \div (L+U) \times 55000$$

Where D is the difference in altitude of two points L the barometric reading at the lower, and U at the upper, add this difference to the known altitudes of the lower point, for instance sea level, and there you are, somewhere within a few hundred feet. Some correction can, however, be made to this, by using a thermometer in conjunction with the aneroid, in by the above method, add 1/440 part of the difference for each degree that the mean temperature at the two stations registers over fifty-five degrees Fah. or subtract the like proportion if the mean is below fifty-five; if the upper station temperature should be higher than that at the lower, for the word "add" use "subtract" and vice versa.

MOUNTAINEERING BOOT HEADQUARTERS

A large variety of styles to choose from. Boots made to measure by our own expert shoemakers, if you wish.

"TRICOUNI" or "SWISS" nails

WOOD'S FOR SHOES

160 Cordova St. West
VANCOUVER, B. C.

KODAK FINISHING

As a Club Member I fully appreciate Mountain Views and can give them the special attention they merit.

A. C. PHILLIPS

Seymour 4916

323 Cambie Street

Many circumstances combine to render the results of this kind of altitude finding unreliable; this fact has been most conclusively proved by many experienced engineers. The moisture of the air affects the results, also winds and their direction, the vicinity of the mountains, and the daily atmospheric tides cause incessant and irregular fluctuations of the Barometer. A Barometer hanging in a room can vary as much as 1/10 of an inch in an hour, corresponding to a difference of elevation of about one hundred feet.

No formula has been, or can be devised, to take care of all the possible sources of error.

It is probable that with a very delicate instrument, a skilled observer may measure the difference of altitude between two points close together with tolerable degree of accuracy, but if even as short an interval as an hour elapses between readings, such change may occur in the atmospheric condition as to make the top point below the bottom, or at least he cannot feel by any means certain, that he is not fifty feet in error.

Where practicable it is necessary therefore to have observers at both upper and lower station to make readings at the same time absolutely. Single observations at points miles apart made at different times, in different states of the atmosphere are of absolutely no value. In such cases the mean of many dual observations, spreading over several days, or even weeks or months, the longer the better, and made when the air is apparently undis-

turbed would give tolerable approximations of the truth.

The accounts of agreement within a few or even five hundred feet, by different observers at different times and those of ascertaining the gradient of a road while sitting in an automobile, will be believed only by those who are ignorant of the subject, such results only happen by the blindest chance.

As a very rough average, it may be assumed that a Barometer falls 1/10 of an inch for every ninety feet ascended above the level of the sea, up to a thousand feet, but in fact the rate of fall decreases uniformly as we rise, so that at a mile high it falls only 1/10 of an inch for every one hundred and six feet.

To sum up, a Barometer is only an approximate means of obtaining altitudes, unless great care and time are taken, and complicated corrections made. Never bet on any altitude made by Barometer unless you are an expert, and even then be very, very cautious, someone with a head full of "Trig." may come along and prove you to be miles out.

MT. BAKER TRIP

June 30 to July 1

A most successful trip to Mt. Baker with perfect weather conditions was enjoyed by 30 members and friends of the Club. While some left early Saturday morning, the main party assembled at Glacier and with the pack train left at 7 p.m. The Heliotrope Trail was in splendid condition and during the 5 hour trip

OUTINGS LIMITED

5TH FLOOR, 939 GRANVILLE STREET VANCOUVER, B.C.

Mountaineering and Camping Equipment

Edge Nails

Alpenstocks

Tents and Waterproof Clothing

The most important part of a mountaineer's outfit is his Boots;
they may mean Life or Death to him.

*McLachlan-Taylor Co. has made a special study of the construction of boots for mountaineering.
All our boots are hand made. It will pay you to see us before buying your next pair.*

McLACHLAN-TAYLOR CO.
SHOEMAKERS

63 CORDOVA ST. WEST

VANCOUVER, B.C.

in entrancing glimpses were obtained of the ice-crowned peak through the tall stately trees. Kulshan Cabin (elevation 4800 feet) was reached at 1 a.m. where our genial host "Happy" Fisher served up a good supply of hot tea and coffee.

At 7 a.m. the climb began up past timber-line and over snowy and rocky ridges and then after the rites of grease-painting had been carefully performed, the party roped together. Above 7000 feet new snow covered every part of the mountain making the whole scene a dazzling brilliance in contrast to the red volcanic crags of Lincoln and Colfax peaks and the deep blue-green of the crevasses which are among the roughest of all United States glaciers. The climb was continued up the Roosevelt Glacier till a ridge of volcanic rock was reached at the 9000 foot level where a halt was made for refreshments. From this point on up the presence of ice usually makes the climb hazardous, but this year, owing to the wind-packed snow above 10,000 feet, the summit ice-cap presented no difficulties, and the last peak was topped at 3.20 p.m. (elevation 10,825 feet).

The panorama which extended from Mt. Rainier and St. Helen's in Washington to Mt. Garibaldi in B.C. was magnificent. The Fraser, Nooksak and Skagit Rivers appeared like silver threads far below, and the whole coast-line and Gulf islands, also the fertile farming country of the delta was plainly visible. Mts. Shuksan and Glacier Peak were objects of particular interest, also Baker Lake, Austin Pass and the jagged peaks of the Sisters' Range.

The bitter cold precluded the possibility of a lengthy stay on top and the return was commenced. One object of particular interest was the remains of a huge ava-

lanche off Colfax peak, some of the ice blocks from the cliffs above being bigger than a good sized building. Exceptionally fine glissading was enjoyed on the last 1000 feet. A leisurely return was made the next day.

The ladies on this trip were Mrs. R. Golman; Misses V. Jones, K. Smith, E. Baynes N. Coulson, W. and P. Chambers, F. Rid-dock and O. Hardy, while amongst the men were, W. Spicer, J. Betts, C. Leding-ham, D. McKee, C. Anderson, J. Horan, E. Henderson, J. Irving, W. Hendry, T. Fallowfield, H. Sommerville, L. Golman, A. Spouse, A. Simpkins, Dr. T. Urquhart, Mr. Bowman, A. Clarke, V. E. Cody (of Everett). The trip was in charge of A. O. Cooper and R. H. Simmonds.

—A.J.O.C.

NOTE:—

Owing to business interfering with pleasure, Mr. A. Spouse may be unable to take the Labor Day trip to Shuksan but he will have a competent leader to take his place.

At the recent executive meeting held on the 18th inst. the following were elected: to Active membership, Alan Morgan; to Graduating membership, Harold Koffman, Betty Smith and Helen Thompson.

It was decided at this meeting that the wearing of the Club's badge is a membership privilege and the badges must not be given to a non-member, or loaned to another to be worn by him.

The subject of the installation of beds or canvas bunks in the new cabin was discussed and we may expect soon to be comfortably quartered somewhere between the floor and the ceiling instead of sleeping "a la plank" as has been our custom.

Jones & Son Tent & Awning Co., Ltd.

28 WATER STREET, VANCOUVER, B.C.

PHONE SEYMOUR 740

Special Announcement

We have just put on the market a light weight *Eiderdown Sleeping Bag* specially constructed for Mountaineers, Sportsmen and others. The bag is made of the same materials as the full size "Yukon" sleeping robes, and being extremely small in bulk and light in weight will fill a long felt want.

Weight—Only 4 pounds

Lining—Pure wool Kersey cloth.

Covering—Waterproof silk.

Filling—Best grade pure down.

Your Inspection Solicited

Price
only **\$20**