

AVALANCHE NEWS NO. 7  
October 1981

EDITORIAL NOTE

The intention of AVALANCHE NEWS is to assist communication between persons and organizations engaged in snow avalanche work in Canada. Short articles cover reports of accidents, upcoming and past events, new techniques and equipment, publications, personal news, activities or organizations concerned with avalanche safety, education and research. Contributions are expected from the readers.

Avalanche News is issued three times per year, usually in January, June and October. There is no subscription fee. Requests for copies and notifications of changes of address should be sent to the publisher.

Editor: Peter Schaerer  
National Research Council of Canada  
3904 West 4th Avenue  
VANCOUVER, B.C. V6R 1P5  
  
Telephone: 604-732-4829

Publisher: Geoff Freer  
Snow Avalanche Section  
Ministry of Transportation and Highways  
940 Blanshard Street  
VICTORIA, B.C. V8W 3E6  
  
Telephone: 604-387-1738

**AVALANCHE NEWS**  
Canadian Avalanche Committee, 3904 West 4th Ave., Vancouver, B.C., V6R 1P5  
OCTOBER 1981 No. 7



### DATA STORAGE AND RETRIEVAL

The committee on data storage and retrieval, formed under Peter Fuhrmann during the operators meeting on May 5 and 6, 1981 at Banff, held three meetings during the summer. At the meeting of September 30, 1981 the committee accepted lists of the types of data and their format sequence that should be used for storage in a computer. The data indicates the daily snow and weather observations, snow profiles, and avalanche occurrences.

The format of data storage will be applied on a trial base at the avalanche control office of Parks Canada at Sunshine, Banff. The office has received a computer recently which records automatically and when requested analyzes the data of remote weather stations,

The lists of data which the committee recommends for storage on computer will be published in the next issue of Avalanche News. They may also be obtained from Peter Fuhrmann, Alpine Specialist, Parks Canada, P.O. Box 900, Banff, Alberta, T0L 0C0, telephone 604-762-3324.

### EXCHANGE OF DAILY WEATHER AND AVALANCHE INFORMATION

In order to supplement their own observations, avalanche hazard forecasters often want to know the weather and avalanche activity in adjacent mountain areas. For example, other operations might have better access to data from high elevations, or storms might produce avalanches earlier in adjacent areas. For these reasons some avalanche safety operators in Western Canada have expressed the need for an exchange of information about the weather, snow stability, and avalanche activity on a daily basis. This could be achieved, for example, by reporting a set of observations to a centre or clearing house once or twice per day. The centre would either regularly transmit the collected information to other operations or would make it available on request.

The committee on data storage and retrieval formed during the avalanche operators meeting on May 6, 1981 at Banff has discussed the exchange of daily weather and avalanche information. The committee has concluded that a first step should be the identification of the amount and nature of exchange data. The exchange data should contain information that is important but may not be readily accessible at a particular location - for example, wind speed and direction at high elevations or avalanche activity in an adjacent area. The data exchange, however, must not substitute for the collection of data in the forecasters' area. Due to restrictions on transmission lines, times, data storage, and personnel messages must be short. It would not be possible, at least initially, to transmit full sets of weather and snowpack observations.

A first data exchange is planned for the Columbia Mountains - Southern Rocky Mountains with the intention of adding other areas such as the Coast Mountains later.

Operators in the Columbia - Kootenay - Rocky Mountain area who have expressed an interest were contacted by letter and requested to identify their needs. The committee invites all other operations concerned with avalanche safety in Western Canada to consider whether or not they would benefit from an exchange of information on a daily basis and whether or not they would like to participate in our exchange network. Those who are interested should write to Peter Schaerer indicating:

- a) the type of information that they would like to receive daily;
- b) the locations and organizations that should provide the information;
- c) the time of the day when the information is required.

The intention of the exchange centre is to make observations from a wider area available to avalanche hazard forecasters. The centre would not analyze the information and produce a public avalanche hazard forecast. Such duties might be added in the future, but would require different funding and staff than is now available.

Peter Schaerer

#### GUIDELINES FOR OBSERVATIONS

The guidelines describing the types, techniques, and methods of recording of observations required for operational avalanche hazard forecasting have been revised. They will be published as Technical Memorandum No. 132 of the Associate Committee on Geotechnical Research of the National Research Council, Ottawa and are expected to be available for distribution in December, 1981. The sale price has not been determined as yet. The participants of the B.C.I.T./N.R.C. avalanche courses this coming winter will receive a copy during the courses.

The guidelines list the observations which have been standard in most avalanche safety operations in Canada. They include the following chapters:

- Daily snow and weather observations
- Snow profile
- Test snow profile
- Ram profile
- Shear frame test
- Shovel shear test
- Observation sites
- Observation of avalanches
- Avalanche involvement reports

It is recommended that all groups carrying out avalanche hazard evaluations and avalanche observations in Canada adopt these guidelines.

FORECASTING AMOUNTS OF SNOWFALL

Over the past seven years the Atmospheric Environment Service (AES) has been receiving, in season, an increasing number of weather observations as input to the daily data base for the Mountain Weather Forecast program. The observations are received from the provincial Ministry of Highways (Snow Avalanche Section), ski resorts, National Parks, and B.C. Hydro, as part of a reciprocal benefits program.

In order to take advantage of the expanding data base of these reporting sites, the Pacific Weather Centre is currently developing a new computerized program in support of forecasting snow amounts through the B.C. mountains. At present there are two areal objective procedures in operational use. The first, in effect since 1971-72 is a statistical procedure for Rogers Pass. The second is based on the frequency probability of snow amounts for three sites in the Lower Mainland Area and has been in use since 1978-79. A verification of both programs has confirmed the value of such objective procedures to the forecast program.

The decision was thus made in early spring of this year to standardize the objective (computer) support and also to expand it. The procedure will involve a regression technique using various predictors (independent variables) correlated against 24 hour precipitation amounts (dependent variables). Eleven predictors are currently being abstracted for a select number of sites whose data bases range from 5 to 16 years. There are seven sites in the initial group and these are:

Rogers Pass	Allison Pass	Salvus (Terrace)
Whistler	Kootenay Pass	
Grouse	Big White	

*Note for weather obs in Aval. course*

In a program of this type, accurate and reliable observational data in conjunction with a lengthy data base are critical to good output.

The resulting output for the Rogers Pass will be of direct use for Glacier Park while that for Grouse Mountain will serve as an indicator for the Lower Mainland north shore mountains, i.e. Cypress, Seymour, and to a lesser extent, Hemlock Valley. The output for Big White will serve as a guide to forecast snow amounts in the Okanagan Valley mountains encompassing Apex and Silver Star.

The data should be abstracted, programmed and ready for the 1981-82 season. In the long term, AES plans to expand this program to cover the major recreational areas plus the most avalanche sensitive areas.

Tom Gigliotti  
Weather Services, Pacific Region  
Atmospheric Environment Service

AVALANCHE ASSOCIATION

As reported in Avalanche News No. 6 a steering committee was appointed with the task of forming an association of people who are engaged in avalanche work. At a meeting on June 24, 1981 the steering committee drafted a constitution and by-laws and resolved that the association should be registered in the provinces of British Columbia and Alberta.

The steering committee defined the purposes of the association as follows:

- a) To represent persons who are professionally engaged in avalanche work in Canada.
- b) To establish and maintain high standards of professional competence and ethics for persons engaged in avalanche safety programs.
- c) To exchange technical information and to maintain communication between persons engaged in avalanche safety programs.
- d) To establish and maintain standards of education in avalanche safety.
- e) To organize training courses in all aspects of avalanche hazard control for professionals.
- f) To promote and to act as a resource base for public awareness programs about avalanche hazards and safety measures.
- g) To promote research and development in avalanche safety.

A legal counsel is preparing the constitution and by-laws for submission to the provincial registrar of companies. Finding a name for the association proved to be a major obstacle in the process. Several proposals were rejected by the Registrar of Companies in Victoria, for example, the words "Canada" or "Canadian" were not permitted as part of the name, and for this reason no formal application for registration has yet been submitted.

Individuals and organizations who are interested in becoming members will be kept informed in Avalanche News and when the time comes be invited by letter to submit an application for membership.

Peter Schaerer

AVALANCHE COURSES

The following professional courses will be organized by the British Columbia Institute of Technology in the coming winter.

1. Transportation & Industry -

LEVEL I:

November 30, 1981 - December 4, 1981  
February 8 - 12, 1982

Creston, B.C.  
Creston, B.C.

LEVEL II:

March 8 - 12, 1982

Creston, B.C.

2. Ski Areas & Ski Guiding -

LEVEL I:

December 12 - 18, 1981  
January 11 - 17, 1982  
January 18 - 24, 1982

Whistler, B.C.  
Creston, B.C.  
Jasper, Alberta

3. Ski Areas - LEVEL II:

January 9 - 16, 1982

Whistler, B.C.

4. Ski Guiding - LEVEL II:

December 11 - 18, 1981

Creston, B.C.

5. LEVEL II - Refresher Course:

December 8 - 10, 1981

Creston, B.C.

6. Avalanche Terrain:

March 23 - 26, 1982

Revelstoke, B.C.

Detailed information, brochures, and registration forms may be obtained from Industry Services Department, British Columbia Institute of Technology, 3700 Willingdon Avenue, BURNABY, B.C., V5G 3H2, Attention: Avalanche 1981-1982, telephone (604) 434-5734, local 803

No distinction is made between Level I courses for ski areas and for ski guiding because the knowledge concerning avalanches is the same for both applications. A stratification at the advanced level, however, allows treatment in greater depth of control measures for ski area staff, and of terrain considerations for guides.

The Transportation and Industry courses are designed for those who do not require skis for their work. A certificate from a Transportation and Industry course is not a valid pre-qualification for a guide course of the Association of Canadian Mountain Guides.

#### PUBLICATIONS

Gray, D.M. and Male, D.H. Handbook of Snow: Principles, Processes, Management and Use, Pergamon Press Canada Ltd., Willowdale, Ontario, and Pergamon Press Inc., New York, 1981, 776 p.

The book contains information concerning snow and snow problems of interest to those practicing in applied sciences, for example, engineering, agriculture, geography, and meteorology. The individual chapters have been written by scientists and engineers working on snow problems in Canada and the United States.

The material has been organized into four parts. In Part I, Snow and the Environment, the material stresses the interaction of snow with living things, climate, and agriculture. In Part II, Snowfall and Snowcover, a comprehensive review of the phenomenological aspects of snow during its formation, drifting, and ablation is given, as well as a compilation of physics and physical properties. This Part, although probably of most interest to academics in the natural sciences, provides the background material on which snow management principles are founded. In addition, Part II presents information on snow measurement and a chapter summarizing the nature of avalanches and protection against them. Part III, Snow and Engineering, emphasizes practical applications in which design criteria and methods of snow and ice control are presented. In Part IV, the recreational aspects of snow are discussed, in particular, skiing and the mechanics of snow skis.

The scope of the book does not allow detailed discussions of all the aspects of snow that are presented. An effort has been made to compensate in part for this deficiency by including a reasonably complete list of references with each chapter.

Because of a considerable lag between the time when the individual chapters were written and the date of publication the book does not contain all the information that has become available since 1977.



Roch, Andre. Neve e Valanghe (Snow and Avalanches). Club Alpino Italiano, Via Ugo Foscolo 3, Milano, Italy, 1980, 268 p.

The author has compiled his many years of experience into a handbook. The four parts of the book describe the characteristics of snow and the formation of avalanches, personal safety measures and rescue, operational safety measures, and control by engineering works. Numerous cases of destructive avalanches are documented and excellent illustrations assist in understanding the subject matter. The entire book, including the captions, is written in Italian.

Symposium on Applied Glaciology (Cambridge 1976). Journal of Glaciology, Vol. 19, No. 81, 1977, Price 20.00.

Symposium on Snow in Motion (Fort Collins, Colorado 1979). Journal of Glaciology, Vol. 26, No. 94, 1980, price 35.00.

The two volumes are proceedings of scientific conferences and contain papers on snow and avalanches. Those who would like to have the publications on their library shelf may obtain them from the Secretary General of the International Glaciological Society, Lensfield Road, Cambridge CB2 1ER, England, U.K.

#### FILMS

##### Sixth Annual Banff Festival of Mountain Films

The Banff Festival of Mountain Films was initiated in 1976 in an attempt to encourage the production of films depicting the mountain environment in all its forms and activities. The festival, co-sponsored by The Banff Centre for Continuing Education and The Alpine Club of Canada will be held on Saturday, November 7, 1981 at Banff, Alberta. A new category, "The Best Film on Mountain Safety", has been included in this year's Festival.

*- Snow Wars ?*

Pro-Patrol; 16 mm colour film with sound; screening time 18 minutes; produced and distributed by Petersen Productions Inc., 7855-164th Street, Surrey, B.C., V3S 3W1, telephone (604) 681-6817; price \$400.00 per copy.

The film, shot at Whistler Mountain, is an overview of the work of professional ski patrollers. Several scenes show avalanche control work including a few excellent shots of the release and motion of slab avalanches. The location work and editing was well done and make watching the film a pleasure.

The film is intended for general audiences and is suitable for ski area film nights, ski groups, and as a break during avalanche training programs.



### EQUIPMENT

SEAR Search and Rescue Equipment, 2818 Bayview Street, Surrey, B.C., V4A 2Z4, telephone (604) 531-7300.

SEAR manufactures and sells avalanche probes and snow density kits, and in addition has available full kits containing the tools for snow profile observations (crystal screen, hand lens, snow thermometer, rulers, density sampler with balance) and high intensity search lamps.

SNOW KNOWLEDGE, P.O. Box 566, Park City, Utah, 84060, telephone (801) 649-8523.

Snow Knowledge distributes a selection of tools for snow studies: crystal card, hand lenses, dial snow thermometers, maximum-minimum thermometers, folding rulers, clinometers, and field books. A brochure describing the equipment with prices is available.

Recently a pocket sized, soft cover field book for recording snow profile observations has been added to the list of equipment. The book may be useful for recording test snow profiles by casual observers, but the format of recording differs from that which has become standard in Canada.

HYDRO-TECH, Philip Taylor, 4658 N.E. 178th Street, Seattle, Washington, 98155, telephone (206) 362-1074.

The company manufactures and distributes the Taylor-LaChapelle snow density kit, anemometers and thermometers with recorders. Also in stock are dial snow thermometers, magnifiers, and small snow density kits.

- Mtn. Coop

- Hardware store

PRIVATE AVALANCHE DOG TEAMS

During the summer, Geoff Freer had a meeting with the Provincial Emergency Program rescue personnel, and Sgt. W. Regitnig of the R.C.M.P. Dog Section, regarding private dog handlers and possible assistance from the Royal Canadian Mounted Police Dog Section. The following is a tentative policy offered by the R.C.M.P. Dog Section:

- 1) Dog Selection - Some assistance may be available from local Dog Masters in selecting a suitable dog.
- 2) Training Standards - The R.C.M.P. are presently drafting training standards of two types: a) general dog handling, ground search profile, and; b) avalanche work profile. These standards were to be completed during the summer and forwarded to Ottawa for review. Upon approval, the standards will be available for review and use by private dog handlers.
- 3) Local Assistance - Local R.C.M.P. Dog Masters will be able to assist private dog handlers if they so wish.
- 4) Course Training Manual - The R.C.M.P. course training manual may be available to private dog handlers.
- 5) Evaluation - The R.C.M.P. will provide an evaluation team to examine private dog handlers and their dogs. This evaluation team will often be the local Dog Master.

The first evaluation by an R.C.M.P. member will be on general dog handling, including obedience, retrieving, agility, and searching for persons. Once the private dog handler has passed this evaluation with his dog, he may be eligible to attend the avalanche school held at Jasper during most years. The Jasper course is presently sponsored by the R.C.M.P. and Parks Canada. Talks are now going on to attempt to develop a policy which will allow private dog handlers to attend these Jasper courses. At the Jasper course, the private dog handler would be evaluated as other handlers are for avalanche standards in dog handling.

The meeting was very positive with the R.C.M.P. apparently in favour of the development of private dog handlers. Rod Pendlebury from Fernie is planning to contact all prospective dog handlers in the near future.

Geoff Freer

Well trained dog can rough search 8 times  
faster than 20 man team coarse probe.

GUIDELINES FOR OBSERVATIONS

Owing to the special efforts of the staff of National Research Council, the guidelines for observations were published sooner than expected and are now available.

Guidelines for Weather, Snowpack and Avalanche Observations. Technical Memorandum No. 132 of the Associate Committee on Geotechnical Research, National Research Council of Canada. 60 pages. Price \$3.00.

Copies may be obtained by mailing the appropriate remittance (money order or cheque payable to the Receiver General of Canada) to:

Publication Sales  
National Research Council  
OTTAWA, ONTARIO  
K1A 0R6

AVALANCHE RESOURCE AGENCIES  
OCTOBER 1981

(1) Technical Information and Consulting

Peter Schaerer National Research Council Canada 3904 West 4th Avenue VANCOUVER, B.C. V6R 1P5	Telephone: 604-732-4829 (Bus) 604-987-3716 (Res)
Paul Anhorn National Research Council Canada P.O. Box 2759 REVELSTOKE, B.C. VOE 2S0	Telephone: 604-837-2435 (Bus) 604-837-4861 (Res)
V. G. (Fred) Schleiss P.O. Box 1585 REVELSTOKE, B.C. VOE 2S0	Telephone: 604-837-5155 (Bus) 604-837-3012 (Res)
W.E. (Walter) Schleiss P.O. Box 1585 REVELSTOKE, B.C. VOE 2S0	Telephone: 604-837-5155 (Bus) 604-837-3877 (Res)
Ron I. Perla Environment Canada Box 313 CANMORE, ALBERTA TOL 0M0	Telephone: 403-678-4706
Willi Pfisterer Alpine Specialist Parks Canada P.O. Box 10 JASPER, ALBERTA TOE 1E0	Telephone: 403-852-4401
Peter Fuhrmann Alpine Specialist Parks Canada P.O. Box 900 BANFF, ALBERTA TOL 0C0	Telephone: 403-762-3324
Geoff Freer, Snow Avalanche Section B.C. Ministry of Transportation and Highways 940 Blanshard Street VICTORIA, B.C. V8W 3E6	Telephone: 604-387-1738 (Bus) 604-383-6610 (Res)

Chris Stethem Consulting Ltd.  
Avalanche Safety Services  
P.O. Box 8  
WHISTLER, B.C. VON 1B0

Telephone: 604-932-3871 (Bus)  
604-932-3788 (Res)

Herbert Bleuer  
Mountain Consultants Inc.  
Box 258  
WHISTLER, B.C. VON 1B0

Telephone: 604-932-5331 (Bus)  
604-894-6994 (Res)

(2) Avalanche Conditions, Search and Rescue

Banff National Park:

Correspondence: The Chief Warden  
Banff National Park  
P.O. Box 900  
BANFF, ALBERTA TOL 0C0

Information concerning avalanche conditions:

Taped message on telephone 403-762-3600  
Banff Wardens office (open 24 hours per day)  
Lake Louise Wardens office  
Park information bureaux  
Avalanche control offices at Sunshine Village, Lake Louise  
Ski Area, Mt. Norquay

Emergency telephone: 403-762-3324

Jasper National Park:

The Chief Warden  
Jasper National Park  
P.O. Box 10  
JASPER, ALBERTA Telephone: 403-852-4401

Parks information office at Jasper

Glacier and Mount Revelstoke National Parks:

Correspondence: The Superintendent  
Glacier and Mount Revelstoke National Parks  
P.O. Box 350  
REVELSTOKE, B.C. VOE 2S0

Information concerning avalanche conditions:

Parks office at Revelstoke Telephone: 604-837-5155  
Information office at Rogers Pass Telephone: 604-837-6274

Search and rescue:

The Chief Warden, Revelstok  
Wardens office, Rogers Pass

Telephone: 604-837-5155  
Telephone: 604-837-6274

Yoho National Park  
Box 99

FIELD, B.C. VOA 1G0

Telephone: 604-343-6467

Attention: Chief Park Warden

Kootenay National Park  
Box 220

RADIUM HOT SPRINGS, B.C. VOA 1M0

Telephone: 604-347-9615

Attention: Chief Park Warden

Waterton Lakes National Park  
WATERTON, ALBERTA TOK 2M0

Telephone: 403-859-2352

Attention: Chief Park Warden

Kluane National Park  
Haines Junction  
YUKON

Telephone: 403-634-2251

Attention: Chief Park Warden

British Columbia Ministry of Transportation  
and Highways

G. L. Freer, Head  
Snow Avalanche Section  
940 Blanshard Street  
VICTORIA, B.C. V8W 3E6

Telephone: 604-387-1738 (Bus)  
604-383-6610 (Res)

District Avalanche Technicians:

E. Campbell  
1313-6th Street  
HOPE, B.C. VOX 1L0

Telephone: 604-869-2401


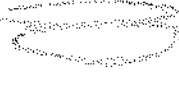
W. Jamieson  
Main Street, Courthouse  
LILLOOET, B.C. VOK 1V0

Telephone: 604-256-4255

(position vacant)  
238-10th Avenue  
CRESTON, B.C. VOB 1G0

Telephone: 604-428-9307

Rev  
T...  
Revised  
W. Wellwood  
P.O. Box 490  
STEWART, B.C. V0T 1W0

  
Koo  
Vancouver  
  
Telephone: 604-636-2410

M. Zyllicz  
#300-4546 Park Avenue  
TERRACE, B.C. V8G 1V4

Telephone: 604-635-6254

The Ministry of Transportation and Highways have trained personnel and have rescue equipment on all mountain highways with avalanche problems.

Parks Branch of British Columbia Ministry of  
Lands, Parks and Housing

Parks & Outdoor Recreation Division  
East Kootenay District  
Box 118

WASA, B.C. V0B 2K0

Telephone: 604-422-3411

Attention: Chris Sadleir

422-3247

Services: a) backcountry information  
b) search and rescue  
c) educational programs

Parks Branch  
MANNING PARK, B.C.

Telephone: 604-840-8836

Parks Branch  
(Seymour Mountain and Cypress Park)  
NORTH VANCOUVER, B.C. (Ski Reports)

Telephone: 604-929-3911  
604-929-2358

Parks Branch  
(Kokanee Creek)  
NELSON, B.C.

Telephone: 604-825-4660

Parks Branch  
(Alice Lake)  
BRACKENDALE, B.C. V0N 1H0

Telephone: 604-898-3024

Kananaskis Provincial Park  
Box 59  
CANMORE, ALBERTA T0L 0M0

Telephone: 403-678-5508 (Canmore Office)  
403-673-3942 (Kananaskis Park)

Attention: Lloyd Gallagher & Dave Hanna

Services: a) backcountry travel  
b) search and rescue  
c) educational programs



Ski Areas

Whistler Mountain  
Whistler Mountain Ski Corporation  
Box 67

WHISTLER, B.C. VON 1B0

Telephone: 604-932-3434

Attention: R. McCarthy

Red Mountain Ski Area  
Box 939

ROSSLAND, B.C.

Telephone: 604-362-7384

Attention: J. Spence

Snow Valley Ski Ltd.  
Box 788

FERNIE, B.C. VOB 1M0

Telephone: 604-423-6041

Attention: D. Aikens

Mt. Washington Ski Area  
4713 Oakridge Drive  
COURTENAY, B.C. V9N 6A7

Telephone: 604-334-2966 (Bus)  
604-338-1515 (Res)

Attention: D. Cronmiller

Whitewater Ski Society

Box 60

NELSON, B.C.

Blackcomb Mountain

P.O. Box 98

WHISTLER, B.C. VON 1B0

Canadian Ski Patrol System

Brian Weightman  
Avalanche Officer  
C.S.P.S. Calgary Zone  
2198 Home Road N.W.  
CALGARY, ALBERTA

Telephone: 403-253-7601 (days)  
403-286-7245 (eve)

Peter Spear  
National Avalanche Officer  
117 Waskatenau Crescent  
CALGARY, ALBERTA T3C 2X7

Telephone: 403-249-0055

(3) Search and Rescue

Dog For Avalanche Search - Parks Canada

E. Skjonsberg  
Banff National Park  
BANFF, ALBERTA

Telephone: 403-762-3324

A. Burgstrom  
Jasper National Park  
JASPER, ALBERTA

Telephone: 403-852-4401

Dog For Avalanche Search - R.C.M.P.

The following dogs and their masters have received special avalanche training:

Chilliwack Sub/Division

Cpl. T.M.P. Barter

Telephone: 604-795-9424

Cranbrook Detachment

Cpl. G. H. Burns

Telephone: 604-426-8422

Cochrane, Alberta Detachment

Cpl. C.J. Banham

Telephone: 403-932-2211

Courtenay Detachment

Cpl. R.A. Nichol

Telephone: 604-338-7421

Kamloops Sub/Division

Cpl. J.A. Brown

Telephone: 604-372-3111

Nanaimo Detachment

Cpl. F.D. Marino

Telephone: 604-754-2345

Nelson Detachment

Cpl. W.T. Murphy

Telephone: 604-352-4104

North Vancouver Detachment

Cpl. R.D. Clark

Telephone: 604-985-1311

Penticton Detachment

Cpl. W.K. Henderson

Telephone: 604-492-4300

Vernon Detachment

Cpl. G.R. Gillette

Telephone: 604-545-7171

Provincial Emergency Program

The British Columbia Provincial Emergency Program co-ordinate most local search and rescue groups in the Province. Enquiries can be directed to:

R.E. Neale, Director

Provincial Emergency Program

931 Ellery Street

VICTORIA, B.C. V8V 1X4

Telephone: 604-387-5956

B. Thorshaug, Search & Rescue Co-ordinator

Provincial Emergency Program

931 Ellery Street

VICTORIA, B.C. V8V 1X4

Telephone: 604-387-5956

Region co-ordinators are located at:

Victoria

Mr. W.C. Dalley (Claude)  
(Bus) 207-2951 Tillicum Road  
VICTORIA, B.C. V9A 2A6

Telephone: 604-387-3458 (24 hour)  
604-386-8523 (Unlisted)

(Res) 1685 Tampico Place  
VICTORIA, B.C. V8N 5H2

Telephone: 604-477-2463 (Res)

Lower Mainland

Mr. F.G. Clegg (Frank)  
(Bus) 800 Cassiar Street  
VANCOUVER, B.C. V5K 4N6

Telephone: 604-294-8202 (24 hour)  
604-294-9714 (Unlisted)

(Res) 6892 Centennial Drive  
SARDIS, B.C. VOX 1Y0

Telephone: 604-858-9980 (Res)

Prince Rupert

Mr. J.A. Stott (Jim)  
(Bus) Room 111, Courthouse  
PRINCE RUPERT, B.C. V8J 1B7

Telephone: 604-624-2121 (Bus)  
Local 237/282  
604-624-2126 (After hours)

(Res) 2060 Graham Avenue  
PRINCE RUPERT, B.C. V8J 1C8

Telephone: 604-624-2517 (Res)

Mr. R. Roy (Richard)  
Assistant Regional Manager  
(Bus) Room 111, Courthouse  
PRINCE RUPERT, B.C. V8J 1B7

Telephone: 604-624-2121 (Bus)  
Local 237/282  
604-624-2126 (After hours)

(Res) 1709 Jamaica Avenue  
PRINCE RUPERT, B.C. V8J 2Y7

Telephone: 604-624-9539 (Res)

Prince George

(Bus) B.C.E. Akehurst (Barry)  
302-1575 Fifth Avenue  
PRINCE GEORGE, B.C. V2L 3L9

Telephone: 604-562-8131 (Bus)  
Local 283/337  
604-562-8139 (After hours)

(Res) 753 Faulkner Crescent  
PRINCE GEORGE, B.C. V2M 5E1

Telephone: 604-563-5531 (Res)

Nelson

(Bus) E.H. Gower (Ean)  
552 Stanley Street  
NELSON, B.C. V1L 1N2

Telephone: 604-352-2211 (Bus)  
604-352-2131 (24 hour)

(Res) 617 Carbonate Road  
NELSON, B.C. V1L 4P6

Telephone: 604-352-7892 (Res)

Kamloops

(Bus) M.E. Dyer (Murray)  
315-546 St. Paul Street  
KAMLOOPS, B.C. V2C 5T1

Telephone: 604-372-3956 (Bus)  
604-372-3213 (24 hour)

(Res) 2478 Young Street  
KAMLOOPS, B.C. V2B 4M8

Telephone: 604-376-3453 (Res)

First Aid Ski Patrol

P.O. Box 2651  
VANCOUVER, B.C.

(4) Education

Outdoor Recreation Council of British Columbia

Suite 100, 1200 Hornby Street  
VANCOUVER, B.C. V6Z 2E2

Telephone: 604-687-3333

Avalanche Films

"Avalanche" - 50 minutes

Film Library  
Tourism British Columbia  
1190 Melville Street  
VANCOUVER, B.C.

Telephone: 604-668-2732

Canadian Ski Patrol System

Brian Weightman  
Avalanche Officer  
C.S.P.S. Calgary Zone  
2198 Home Road N.W.  
CALGARY, ALBERTA

Telephone: 403-253-7601 (days)  
403-286-7245 (eve)

Peter Spear  
National Avalanche Officer  
117 Waskatenau Crescent  
CALGARY, ALBERTA T3C 2X7

Telephone: 403-249-0055

(5) Weather Offices

Atmospheric Environment Service

Correspondence and equipment:

Regional Director  
1200 West 73rd Avenue  
VANCOUVER, B.C. V6P 6G5

Telephone: 604-732-4673

Mountain Weather Forecast:

Telephone: 604-732-4341

Officer In Charge  
Pacific Weather Centre  
1200 West 73rd Avenue  
VANCOUVER, B.C. V6P 6H9

Telephone: 604-732-4163

Attention: Chief Meteorologist

Alberta Weather Office  
Edmonton International Airport  
EDMONTON, ALBERTA T5J 2T2

Telephone: 403-437-1250

CHANGES

Changes, additions, or deletions to this list should be reported to the Snow Avalanche Section, British Columbia Ministry of Transportation and Highways.

Lim Bay  
General Delivery  
ROGERS PASS, B.C.  
NOA 1NO

