

AVALANCHE NEWS NO. 34

NOVEMBER 1990

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 of organizations concerned with avalanche safety, education and research.

The editor welcomes and expects contributions; all reasonable comments and discussions will be printed. The articles in AVALANCHE NEWS reflect the views of the authors, and only when it is specifically stated do they represent the opinion of the Canadian Avalanche Association.

No paid advertisements are carried. Suppliers who wish to draw attention to their products should send information to the editor who will publish a note when the equipment has value in avalanche work and safety.

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

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AVALANCHE NEWS
Canadian Avalanche Association, 3650 Wesbrook Mall, Vancouver B.C., V6S 2L2

THE CANADIAN AVALANCHE CENTRE

By Chris Stethem

On March 31, 1991 the National Research Council of Canada Avalanche Centre will close its doors due to shifting priorities and budget cuts. The Canadian Avalanche Association will open the "Canadian Avalanche Centre" on April 1, 1991, to provide new leadership in avalanche education and in technical support to industry and the public.

The Canadian Avalanche Centre will have three initial objectives:

1. To organize and administer professional avalanche safety training courses and to provide a public education resource centre;
2. To operate a daily exchange of snow stability information amongst skiing, transportation, parks and industrial sites affected by snow avalanches;
3. To establish a public avalanche hazard information source through regional bulletins for areas similar to those described in the Mountain Weather Forecast, using the data base provided by the industry information exchange.

The Canadian Avalanche Centre will be funded initially by avalanche course fees, industry information exchange subscriptions, and transitional government support. The CAA is currently discussing transitional funding with both Federal and Provincial governments.

CAA Activities - 1990-91 Winter

During the 1990-91 winter the Canadian Avalanche Association Training Schools, and a pilot project in snow stability information exchange, will be run out of the National Research Council of Canada office in Revelstoke.

Inge Anhorn is our registrar and coordinator for the avalanche schools this winter. She can be contacted at (604) 837-2435, between 10 a.m. and 2 p.m. daily.

The pilot project in snow stability information exchange is intended to develop and establish the second objective of the Canadian Avalanche Centre. This project will operate from December 1 to March 31.

The networking of information amongst operations concerned with avalanche safety can only serve to increase safety margins for all. The exchange will provide information on conditions both in an operations' local mountain region and in a larger Western network. Kel Fenwick and Chris Whalley will be coordinating the information exchange from Revelstoke this year.

**CANADIAN AVALANCHE ASSOCIATION
TRAINING SCHOOLS**

by Peter Schaerer

In the winter of 1990-1991 the week long avalanche safety courses for personnel of operations again will be organized by the Canadian Avalanche Association.

The Institute for Research in Construction of the National Research Council assists the courses by developing the course material and course schedules, and by making available its office at Revelstoke for the administration. The Canadian Avalanche Association has contracted Inge Anhorn as the administrator of the courses. Her duties include receiving the registrations and payments, preparing the papers and equipment for the courses, and making local arrangements.

Brochures (containing a registration form) and information about the courses may be obtained from Inge through:

**Canadian Avalanche Association Training Schools
P.O. Box 2759
Revelstoke, B.C.
VOE 2S0**

Telephone: (604) 837-2435

The preferred time for telephone calls is Monday to Friday between 1000 hours and 1400 hours (Pacific Standard Time).

The following courses are planned:

Avalanche Safety for Transportation and Industry - Level 1

3 - 7 December, at Creston, B.C.
10 - 14 December, at Creston, B.C.

Course Fee: \$475.00

The participants need no prerequisites.

Avalanche Safety for Ski Operations - Level 1

1 - 7 December, at Whistler, B.C.
6 - 12 January, at Creston, B.C.
27 January - 2 February, at Mount Engadine Lodge, Canmore, Alberta

Course Fee: \$625.00

The participants must be intermediate skiers.

Avalanche Safety for Ski Operations - Level 2

6 - 13 January, at Lake Louise, Alberta

Course Fee: \$875.00

The participants must have passed a Level 1 course or equivalent, and after completion of the course have applied the knowledge of the Level 1 course for at least one winter.

In addition to these courses, other organizations offer approved Avalanche Safety for Ski Operation - Level 1 courses in-house and for the public. Information about them may be obtained from the course administrator.

INTERNATIONAL SNOW CLASSIFICATION

The International Classification for Seasonal Snow on the Ground has recently been reissued by the International Commission on Snow and Ice. This is the first time the classification system has been changed since 1954. Residents of Canada can obtain a copy by writing to me. I will also be requesting information and comments on the system particularly from those people who might have input once the system is field tested. This information will be sought for two purposes: possible suggestions for modifying the system (should it be necessary) and information will be provided for possible future revision of the Guidelines for Weather, Snowpack and Avalanche Observations.

For a copy write: Dave McClung
National Research Council Canada
3650 Wesbrook Mall
Vancouver, B.C.
V6S 2L2

AVALANCHE INVOLVEMENT REPORTS

by Peter Schaerer
Avalanche Centre
National Research Council Canada

Since 1969 the Avalanche Centre of the National Research Council of Canada has collected information about avalanche accidents that resulted in fatalities or a major loss of property. Since 1979 the data included all encounters of persons, equipment and structures with avalanches, whether it caused injury, damage, or burial, or was a lucky escape.

Summaries of the reported avalanche encounters were published annually in the June issue of Avalanche News, and an analysis of them was printed in the Canadian Alpine Journal, Vol. 71, 1988.

By attracting the attention of the public, management of industries, governments and the media, the summaries of avalanche involvements have assisted in creating an awareness about avalanche hazards and support of safety programs.

The collection of statistics on avalanche involvements will be even more important in the future. The information will be needed to impress politicians, governments, and industries who support the Canadian Avalanche Centre. The objective in the future would be to show a decline of accidents, because of better information available and the number of escapes because people were aware on how to react in avalanche terrain. For these reasons the collection of avalanche involvement reports will continue in this coming winter of 1990 - 1991.

Initially, the Avalanche Centre of the National Research Council will continue to receive the reports, and beginning in April 1991 the Canadian Avalanche Centre of the Canadian Avalanche Association will receive and analyze the reports. We urge anybody who has been involved with an avalanche, or has witnessed or heard about an avalanche encounter to let us know in writing or by word of mouth. The message is important, but not the format. It may be transmitted with the special form, on a note, by telephone, or during a conversation. A copy of the special form that may be used is attached to this issue of Avalanche News, and explanations on how to complete it are contained in the Guidelines for Weather, Snowpack, and Avalanche Observations.

Participants in the Canadian Avalanche Centre Information Exchange this coming winter may include information concerning avalanche involvements on their daily input message, and this would be all that is required.

Involvement reports need not mention the names of the persons involved and the location may be general. The information will be kept confidential and be released in summary form only.

Avalanche involvements should be reported to either one of the following addresses:

- a) Avalanche Centre
National Research Council
3650 Wesbrook Mall
Vancouver, B.C. V6S 2L2

Telephone: (604) 666-6741
- b) Avalanche Centre
P.O. Box 2759
Revelstoke, B.C. V0E 2S0

Telephone: (604) 837-2435

The addresses may be used also after April 1, 1991.

TRAINING VIDEO

The Canadian Avalanche Association produces video tapes of selected topics that are instructed at public, professional, and in-home training sessions. The videos summarize and illustrate the information which an instructor may present in the classroom and in the field. Avalanche safety operations find the videos useful for their annual refresher training of staff.

The latest tape, Avalanche Control, is now available. It has a running length of approximately 40 minutes and with the aid of motion pictures explains the procedures of handblasting (time 15 minutes), use of the avalauncher (time 15 minutes), and cornice control (time 10 minutes). The avalanche control tape was produced with the kind assistance of the staff of Banff National Park.

Another tape covering the procedures of helicopter bombing is in preparation and is expected to be available at the beginning the 1991 winter.

Presently the following tapes are available for sale:

1. Avalanche Control - (Length: 40 minutes)
Procedures for handblasting, avalauncher use, and cornice control.

Cost: \$110.00 (\$95.00 U.S.)

2. Avalanche Terrain - (Length: 9 minutes)
Features of terrain that produce avalanches, and safe travel routes;
with still pictures.

Cost: \$50.00 (\$45.00 U.S.)
3. Snow Profile Procedures - (Length: 9 minutes 30 seconds)
Techniques for observing snow profiles; with still pictures.

Cost: \$50.00 (\$45.00 U.S.)

The cost includes handling and postage.

Copies in VHS are on hand. Copies in other systems (Beta, 3/4 inch, PAL) can be made within a few days.

Orders should be sent with payment or by purchase order to:

**Canadian Avalanche Association
3650 Wesbrook Mall
Vancouver, B.C.
V6S 2L2**

Telephone (604) 666-6741.

SHORT REPORT OF AVALANCHE INVOLVEMENT

DATE _____ TIME _____

LOCATION _____

AVALANCHE Size _____ Dry _____ Moist _____ Wet _____

NUMBER OF PERSONS Total number of persons in party _____
Caught _____ Partially Buried _____ Buried _____
Number of those who were Injured _____ Killed _____

ACTIVITY OF THE PERSONS _____

NUMBER OF VEHICLES Trapped _____ Partially Buried _____ Buried _____
Damaged _____
Type of Vehicles _____

STRUCTURES DAMAGED _____

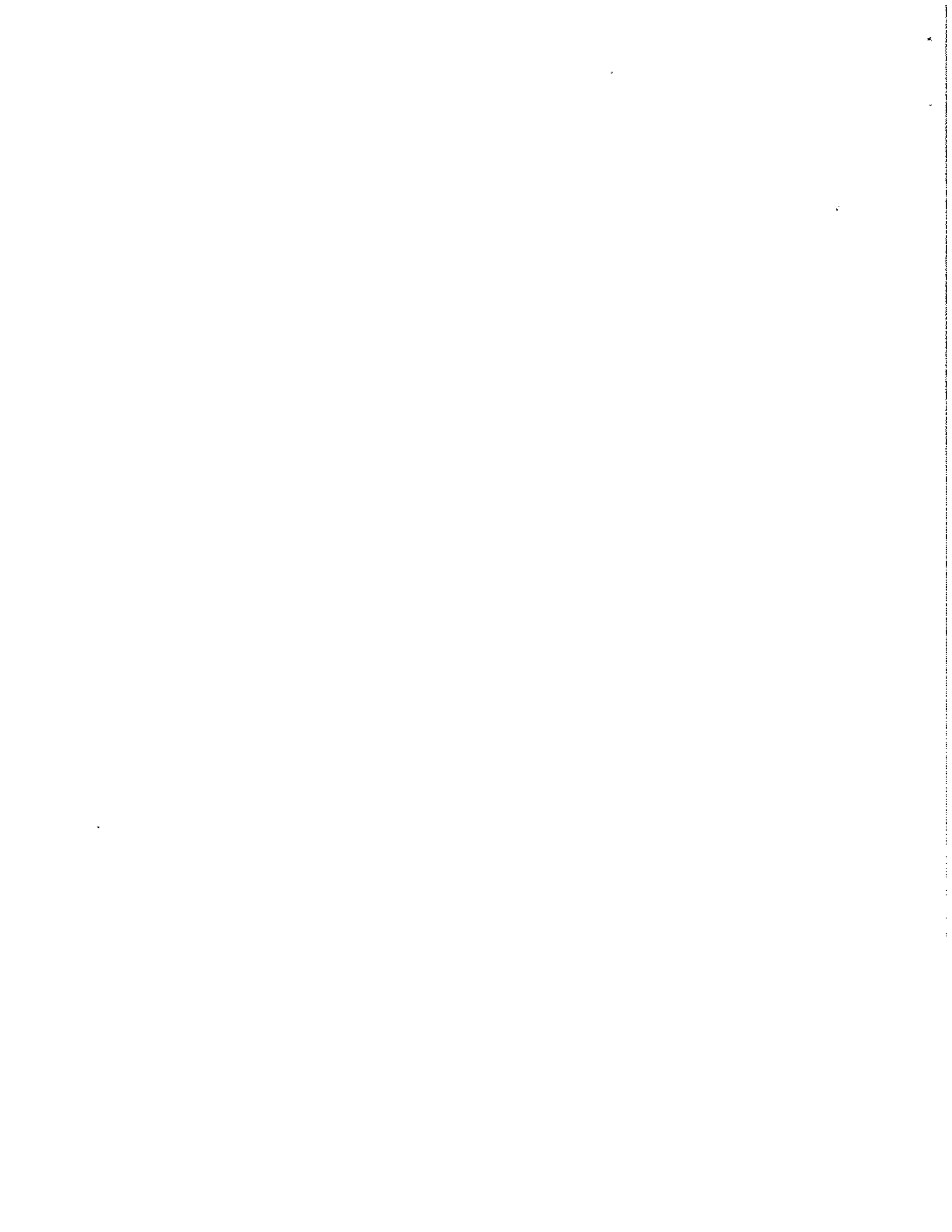
_____ Cost _____

ESTIMATED DEPTH OF BURIAL _____ ESTIMATED DURATION OF BURIAL _____
COMMENTS _____

NAME AND ADDRESS OF REPORTER (Who can be contacted for further information). _____

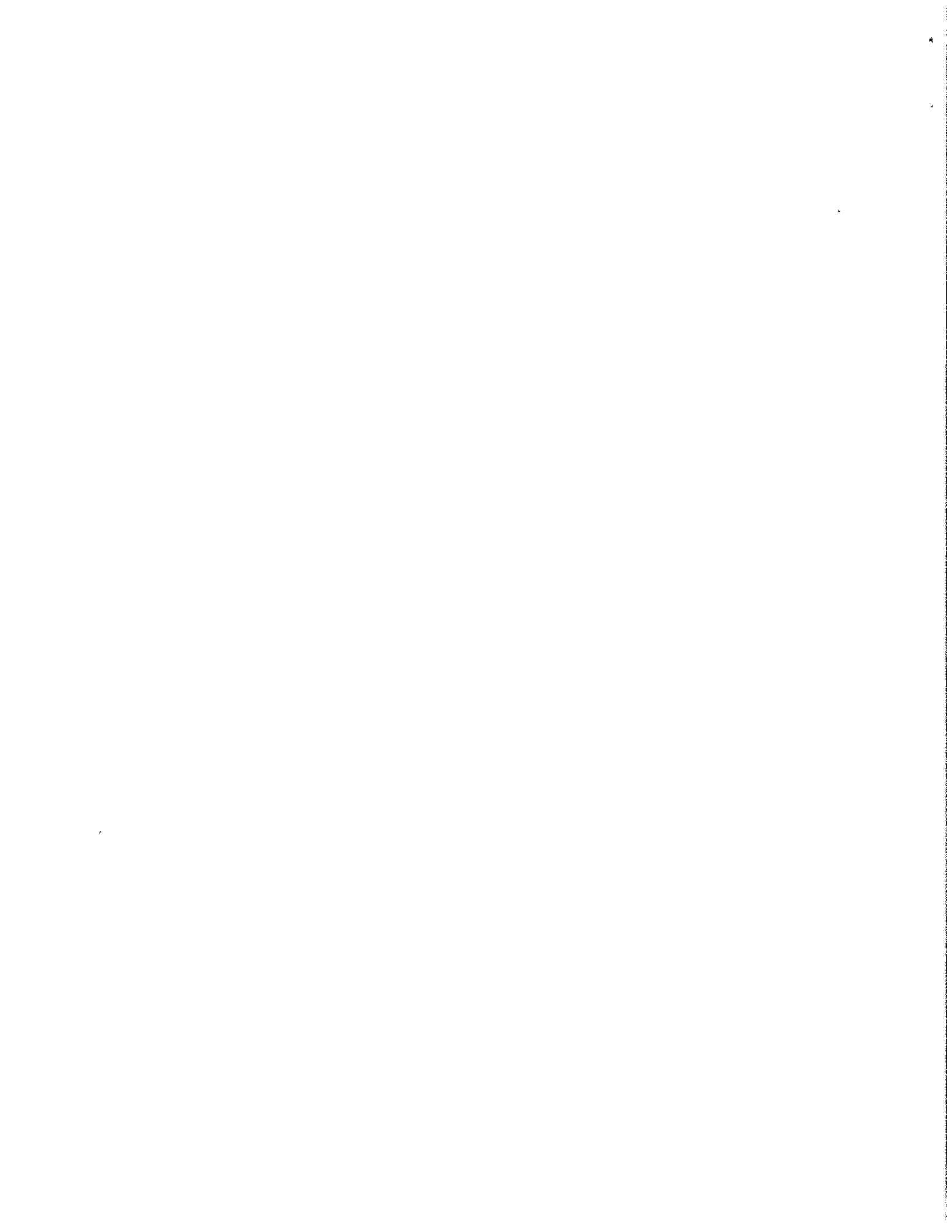
Insert the form in an envelope or fold the form and tape the edges. Mail to:

Avalanche Centre,
National Research Council
3650 Wesbrook Mall,
Vancouver, B.C. V6S 2L2



AVALANCHE RESOURCE AGENCIES

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AVALANCHE RESOURCE AGENCIES

OCTOBER 1990

Prepared by Snow Avalanche Programs
B.C. Ministry of Transportation & Highways

1. AVALANCHE CONDITIONS, SEARCH AND RESCUE

The following agencies and individuals maintain continuous observations of the snow stability and avalanche hazards in their areas. They are also equipped for search and rescue work.

CANADIAN PARKS SERVICE

Banff National Park

The Chief Warden
Banff National Park
P.O. Box 900
BANFF, ALBERTA T0L 0C0

Information concerning avalanche conditions:

Taped message on telephone:	at Banff	403-762-3600
	at Calgary	403-292-6600
Banff Warden Office (open 24 hours per day)		403-762-4506
Lake Louise Warden Office		403-522-3866

Avalanche control offices at:

Sunshine Village	Telephone:	403-762-2693
Lake Louise Temple Research	Telephone:	403-522-3982
Mt. Norquay	Telephone:	403-762-2640
	Emergency:	403-762-4506 (same as Banff Warden No.)

Jasper National Park

The Chief Warden
Jasper National Park
P.O. Box 10
JASPER, ALBERTA T0E 1E0

Warden Office (during office hours)	Telephone:	403-852-6155
(24 hrs. - all departments)	Telephone:	403-852-6161

Mount Revelstoke and Glacier National Parks

The Superintendent
Mount Revelstoke and Glacier National Parks
P.O. Box 350
REVELSTOKE, B.C. V0E 2S0 Telephone: 604-837-5155

Information concerning avalanche conditions:

Taped Message - Revelstoke 604-837-6867
Information Office at Rogers Pass Telephone: 604-837-6274

Search and Rescue:

The Chief Warden, Revelstoke Telephone: 604-837-5155
Warden Office, Rogers Pass Telephone: 604-837-6274

Yoho National Park

The Chief Park Warden
Box 99
FIELD, B.C. V0A 1G0 Telephone: 604-343-6324

Kootenay National Park

The Chief Park Warden
Box 220
RADIUM HOT SPRINGS, B.C. V0A 1M0 Telephone: 604-347-9361

Waterton Lakes National Park

The Superintendent
Waterton Lakes National Park
WATERTON, ALBERTA T0K 2M0
Attention: Brent Kozachenko
Public Safety Warden

Information concerning avalanche conditions:

Warden office (office hours) Telephone: 403-859-2477
Taped Message Telephone: 403-859-2445
Emergency (24 hours) Telephone: 403-859-2636

Backcountry Avalanche Hazard Forecast for Banff, Jasper, Yoho,
Waterton, and Kananaskis Parks, made available by Alberta Avalanche
Safety Association.

Taped Message: at Edmonton 403-466-4636
in Alberta outside Edmonton 1-800-772-2434

Kluane National Park

The Chief Park Warden
P.O. Box 5495
Haines Junction
YUKON Y0B 1L0

Telephone: 403-634-2251

BRITISH COLUMBIA MINISTRY OF TRANSPORTATION AND HIGHWAYS

Jack Bennetto
Manager, Snow Avalanche Programs
940 Blanshard Street
VICTORIA, B.C. V8W 3E6

Telephone: 604-387-6361

Gordon Bonwick
Snow Avalanche Programs
940 Blanshard Street
VICTORIA, B.C. V8W 3E6

Telephone: 604-387-6361

District Avalanche Technicians:

Scott Aitken
#25, 1212 Alpha Lake Rd.
WHISTER, B.C. V0B 1B1

Telephone: 604-932-7285

Ed Campbell
Box 579
HOPE, B.C. V0X 1L0

Telephone: 604-869-2401

Simon Walker
Bag 4500
MERRITT, B.C. V0K 2B0

Telephone: 604-378-9359
(winter only) 604-378-4648
(winter only) 604-378-6449

John Tweedy
Comp. 1, Lakeside Drive
Group Box
NELSON, B.C. V1L 6B9

Telephone: 604-354-6521
or 604-354-6689
(winter only) 604-428-3270

Bruce Allen
Box 710
REVELSTOKE, B.C. V0E 2S0

Telephone: 604-837-7646
or 604-837-7685

Tony Moore
P.O. Box 127
STEWART, B.C. V0T 1W0

Telephone: 604-636-2625

Snow Avalanche Technicians:

Nic Seaton
Snow Avalanche Programs
940 Blanshard Street
VICTORIA, B.C. V8W 3E6

Telephone: 604-387-6361
or 604-987-9311

Mike Boissonneault
Snow Avalanche Programs
940 Blanshard Street
VICTORIA, B.C. V8W 3E6

Telephone: 604-387-6361
or 604-474-2182

Dave Smith
Kootenays Region
310 Ward Street
NELSON, B.C. V1L 5S4

Telephone: 604-354-6429

Al Evenchick
North West Region
400 - 4546 Park Avenue
TERRACE, B.C. V8G 1V4

Telephone: 604-638-3334

BRITISH COLUMBIA MINISTRY OF PARKS

Parks & Outdoor Recreation
East Kootenay District
Box 118
WASA, B.C. V0B 2K0

Telephone: 604-422-3212

Parks & Outdoor Recreation
West Kootenay District
R.R.#3, 4750 Hwy. #3A
NELSON, B.C. V1L 5P6

Telephone: 604-825-4421

Garibaldi/Sunshine District
Box 220
BRACKENDALE, B.C. V0N 1H0

Telephone: 604-898-3678

ALBERTA RECREATION AND PARKS

Kananaskis Country Region
Box 280
CANMORE, ALBERTA T0L 0M0

Lloyd Gallagher - Alpine Specialist,
Public Safety Co-ordinator

Telephone: 403-678-5508

George Field - Alpine Specialist

Telephone: 403-678-5508

Jock Richardson - Snow Study Observer	Telephone: 403-678-5508
Gavin More - Environmental Management Specialist	Telephone: 403-678-5508
Peter Lougheed Provincial Park (7 days a week - 0800-1630)	Telephone: 403-591-7222
Emergency	Telephone: 403-591-7444
Bow Valley Provincial Park (M to F 0800-1630, weekends on call)	Telephone: 403-673-3663
Ribbon Creek Emergency Center	Telephone: 403-591-7767
Elbow District (M to F 0800-1630, weekends on call)	Telephone: 403-949-3754
Emergency	Telephone: 403-932-2211
Avalanche Hazard Forecast Taped telephone message	Telephone: 403-591-7788

SKI AREAS

Brian Leighton Whistler Mountain Ski Corporation Box 67 WHISTLER, B.C. V0N 1B0	Telephone: 604-932-3434
Skat Peterson Red Mountain Ski Area P.O. Box 670 ROSSLAND, B.C. V0G 1Y0	Telephone: 604-362-7115
Dave Aikens Fernie Snow Valley Ski Ltd. Ski Area Road FERNIE, B.C. V0B 1M1	Telephone: Main Office 604-423-4655
Niko Weis Mt. Washington Ski Resort Ltd. P.O. Box 3069 COURTENAY, B.C. V9N 5N3	Telephone: 604-338-1386
Tom Van Alstine Whitewater Ski Resort Ltd Box 60 NELSON, B.C. V1L 5P7	Telephone: 604-354-4944

Wayne Flann
Blackcomb Mountain
P.O. Box 98
WHISTLER, B.C. VON 1B0 Telephone: 604-932-3141

Peter Amann, Avalanche Forecaster or
Ed Robert, Assistant Avalanche Forecaster
Marmot Basin Ski Lifts Ltd.
P.O. Box 1300
JASPER, ALBERTA TOE 1E0 Telephone: 403-852-3816

HELICOPTER AND SNOWCAT SKI OPERATORS

Hans Gmoser, Mark Kingsbury, Kobi Wyss
Canadian Mountain Holidays Inc.
Box 1660
BANFF, ALBERTA TOL 0C0 Telephone: 403-762-4531

Ernst Buehler
Canadian Mountain Holidays Inc., Cariboos Telephone: 604-565-0378

Stefan Eder
Canadian Mountain Holidays Inc., Valemount Telephone: 604-566-4487

Dominic Neuhaus
Canadian Mountain Holidays Inc., Monashees Telephone: 604-834-7251

Buck Corrigan
Canadian Mountain Holidays Inc., Revelstoke Telephone: 604-837-2107

Rob Rohn
Canadian Mountain Holidays Inc., Bobbie Burns Telephone: 604-348-2226

Kris Newman
Canadian Mountain Holidays Inc., Bugaboos Telephone: 604-346-3391

Ian Campbell
Canadian Mountain Holidays Inc., Gothics Telephone: 604-837-4204

R-K Heli Ski Panorama BC
P.O. Box 695
INVERMERE, B.C. VOA 1K0 Telephone: 604-342-3889

Rudi Gertsch
Purcell Helicopter Skiing
Box 1530
GOLDEN, B.C. VOA 1H0 Telephone: 604-344-5410

Peter Schlunegger
Selkirk-Tangiers Heli-Skiing
c/o Box 59
REVELSTOKE, B.C. VOE 2S0 Telephone: 604-837-6161

Allan Drury
Selkirk Wilderness Skiing
MEADOW CREEK, B.C. VOG 1N0 Telephone: 604-366-4424

Mike Wiegele Helicopter Skiing
P.O. Box 159
BLUE RIVER, B.C. VOE 1J0 Telephone: 604-673-8381

Mike Wiegele Helicopter Skiing
P.O. Box 249
BANFF, ALBERTA TOL 0C0 Telephone: 403-762-5548

Tyax Heliski
P.O. Box 849
Whistler, B.C. VON 1B0 Telephone: 604-932-7007

Whistler Heliski
P.O. Box 368
WHISTLER, B.C. VON 1B0 Telephone: 604-932-4105
Fax: 604-932-2578

Kootenay Helicopter Skiing
P.O. Box 717
NAKUSP, B.C. VOG 1R0 Telephone: 604-265-3121

MINING COMPANIES

Crows Nest Resources Ltd.
Line Creek Mine (Upper Elk Valley)
P.O. Box 2003
SPARWOOD, B.C. VOB 2G0 Telephone: 604-425-2555
(24 hours)

Attention: Rick Schroeder Telephone: 604-423-6306

2. SEARCH AND RESCUE

The following agencies and individuals can assist in search and rescue work.

DOGS FOR AVALANCHE SEARCH - PARKS CANADA

Dog Handlers:

Dale Portman Jasper National Park JASPER, ALBERTA TOE 1EO	Telephone: 403-852-6156 (Bus) 403-852-5071 (Res) (After 1630): 403-852-6162 (Pager)
Gordon Peyto Glacier National Park REVELSTOKE, B.C. VOE 2SO	Telephone: 604-837-6274 (Bus) 604-344-5041 (Res)
Scott Ward Banff National Park BANFF, ALBERTA TOL 0CO	Telephone: 403-762-4506 (24 hrs) 403-678-5554 (Res)

DOGS FOR AVALANCHE SEARCH - R.C.M.P.

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

- Chilliwack Sub/Division

Cpl. T. M. Barter (Terry) Telephone: 604-792-4611

- Courtenay Sub/Division

Cpl. J. G. Brewin (Jim) Telephone: 604-338-7421

- Cranbrook Detachment

Cpl. G. H. Burns (Gordon) Telephone: 604-426-8422
Emergency 604-489-3471
Non-emerg. 604-489-3471

- Fort St. John Detachment

Cst. A. G. Soneff (Al) Telephone: 604-785-6617

- Kamloops Sub/Division

Cpl. W. T. Murphy (Wayne) Telephone: 604-828-3000
Emergency 604-372-1521
Non-emerg. 604-828-3098

- Nelson Detachment

Cpl. C. H. Brandt (Cec) Telephone: 604-354-4104

- Prince George Sub/Division

Cst. B. J. McLellan (Bruce) Telephone: 604-562-3371

- Terrace Detachment

Cpl. L. Bretfeld (Lothar) Telephone: 604-638-0333

- Vernon Detachment

Cpl. R. T. Boal (Tim) Telephone: 604-545-7171

The following Detachments will take information and pass it on to the Alberta Provincial Parks:

R.C.M.P., Kananaskis Telephone: 403-591-7707

R.C.M.P., Canmore Telephone: 403-678-5516

R.C.M.P., Banff Telephone: 403-762-2226

DOGS FOR AVALANCHE SEARCH - B.C. PROVINCIAL EMERGENCY PROGRAM

Russ Hendry Telephone: 604-342-4225 (Bus)
INVERMERE, B.C. 604-347-6575 (Res)

Anton Horvath Telephone: 604-932-3434 (Bus)
WHISTLER, B.C. 604-932-1110 (Res)

Tim Quinn Telephone: 604-673-8273 (Res)
BLUE RIVER, B.C.

Yvonne Thornton Telephone: 604-932-3434
WHISTLER, B.C. Loc. 338 (Bus)
604-932-5196 (Res)

Bruce Watt Telephone: 604-932-2300 (Bus)
PEMBERTON, B.C. 604-894-6262 (Res)
Vancouver# 604-687-4222

Doug Fenton Telephone: 604-979-6628 (Pager)
MAPLE RIDGE, B.C. 604-467-0393 (Res)

CANADIAN AVALANCHE RESCUE DOG ASSOCIATION

Rod Pendlebury
Secretary-Treasurer
25153-124th Avenue
MAPLE RIDGE, BC
V2X 4K6

Telephone: 604-979-6628 (Pager)
604-423-7932 (Res)

Pat Coulter
WHISTLER, BC

Telephone: 604-932-3434 (Bus)
604-932-5068 (Res)

PROVINCIAL EMERGENCY PROGRAM (Ministry of Solicitor General)

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

Dave Brewer
Provincial Co-ordinator
Search and Rescue
Provincial Emergency Program
1257 Lucking Place
NORTH VANCOUVER, B.C. V7J 3L5

Telephone: 604-984-4915

John Oakley, Manager
Ministry Program, Solicitor General
Provincial Emergency Program
207-815 Hornby Street
VANCOUVER, B.C. V6Z 2E6

Telephone: 604-660-3725

EMERGENCY TOLL-FREE

Provincial Government Emergency
Operations Center

Telephone: 1-800-663-3456
(24 hours)

Zone Managers are located at:

Victoria Zone
Mr. N. Coward
3287 Oak Street
VICTORIA, B.C. V8X 1P8

Telephone: 604-387-5956

Vancouver Zone
Mr. J. Oakley (John)
207 - 815 Hornby Street
VANCOUVER, B.C. V6Z 2E6

Telephone: 604-660-3723
or 604-660-3725

Chilliwack Zone

Mr. F. Clegg (Frank) - Before January, 1991

Mr. P. Harkness (Pat) - After January, 1991

403 - 9200 Mary Street

CHILLIWACK, B.C. V2P 4H6

Telephone: 604-795-6408

Kelowna Zone

S. Patch

1917 Tenth Road

KELOWNA, B.C. V1Y 7S6

Telephone: 604-861-7328

Kamloops Zone

Mr. M.E. Dyer (Murray)

455 Columbia Street

KAMLOOPS, B.C. V2C 6K4

Telephone: 604-828-4357

Nelson Zone

G. Hartley

310 Ward Street

NELSON, B.C. V1L 5S4

Telephone: 604-354-6395

Prince George Zone

Mr. B. Kelly (Bob)

505 - 280 Victoria Street

PRINCE GEORGE, B.C. V2L 4X3

Telephone: 604-565-6115

Terrace Zone

Mr. R. Salem (Rod)

203 - 3219 Eby Street

TERRACE, B.C. V8G 4R3

Telephone: 604-638-3514

Courtenay Zone

Mr. B. Akehurst (Barry)

368B 11th Street

COURTENAY, B.C. V9N 8H5

Telephone: 604-334-2778

3. EDUCATION

Canadian Avalanche Association Training Schools

Box 2759

REVELSTOKE, B.C. V0E 2S0

Telephone: 604-837-2435

Courses for professional personnel

Federation of Mountain Clubs of British Columbia

336 - 1367 W. Broadway
VANCOUVER, B.C. V6H 4A9

Telephone: 604-737-3053

Awareness courses: a) Avalanche Safety 1 (Introduction)
b) Avalanche Safety 2 (Refresher)

Basic Avalanche Safety Manual

Canadian Ski Patrol System

T. Simper
National Avalanche Training Officer
RR2 Okotoks, Box 1117
OKOTOKS, ALBERTA T0L 1T0

Telephone: 403-938-2101 (Bus)
403-938-2131 (Res)

Alberta Avalanche Safety Association

Jack de Bruyn
8711-62nd Street
EDMONTON, ALBERTA T6B 1N5

Telephone: 403-466-6485

Backcountry Avalanche Forecast
Information Reports

Telephone: 403-466-4636
(Alta. only) 1-800-772-2434

Nordic Ski Institute

Box 1050
CANMORE, ALBERTA T0L 0M0

Telephone: 403-678-4102

Awareness courses:

Ptarmigan Tours

Box 11
KIMBERLEY, B.C. V1A 2Y5

Telephone: 604-422-3270
604-427-2838

Awareness courses.

National Research Council Avalanche Research Centre

Peter Schaerer
Dave McClung
3650 Wesbrook Mall
Vancouver, BC V6S 2L2

Telephone: 604-666-6741
604-666-8046

Research and University Education

AVALANCHE FILMS AND VIDEOS

Avalanche - 50 minutes

Ministry of Health
Audio-Visual Library
1515 Blanshard Street
VICTORIA, B.C. V8W 3C8

Telephone: 604-387-6468

The Snow War - 25 minutes

National Film Board
Library
100 - 1045 Howe Street
VANCOUVER, B.C. V6Z 2B1

Telephone: 604-666-0716
1-800-661-9867

Avalanche - 12 minutes (Video)

Kananaskis Country
Recreation and Parks
Box 280
CANMORE, ALBERTA T0L 0M0

Telephone: 403-678-5508

Avalanche Terrain - 9 minutes (Video)

Snow Profile Observation - 8 minutes (Video)

Canadian Avalanche Association
3650 Wesbrook Mall
VANCOUVER, B.C. V6S 2L2

Telephone: 604-666-6741

4. WEATHER OFFICES

Atmospheric Environment Service

P. Pender
Regional Director General
1200 West 73rd Avenue
VANCOUVER, B.C. V6P 6H9

Telephone: 604-664-9190

G.E. Wells
Pacific Weather Centre
1200 West 73rd Avenue
VANCOUVER, B.C. V6P 6H9

Telephone: 604-664-9000

E. Coatta
Climate Information
700-1200 West 73rd Avenue
VANCOUVER, B.C. V6P 6H9

Telephone: 604-664-9156

The Regional Director
Atmospheric Environment Service
Rm. #240, 4999-98th Avenue
Edmonton, ALBERTA T6B 2X3

Telephone: 403-495-3143

LIST OF WEATHER OFFICES IN BRITISH COLUMBIA

<u>LOCATION</u>	<u>TELEPHONE (604)</u>	<u>OPEN HOURS (local time)</u>
Castlegar	365-3131	0630-1600
Fort Nelson	774-2302 Tape 774-6461 (With voice instructions for tape or fax)	0200-1700
Fort St. John	785-6322 785-4304	0700-1500 1500-1700
Kamloops	376-0727 Tape 376-3044	0630-1700
Kelowna	765-6598 Tape 765-1881 (Mtn. Fcst.) Tape 765-4027	0445-0015 Seasonal
Pacific Weather Centre	664-9053	24 hours
Penticton	492-0539	0700-1700 (M-F) 0800-1600 (S&S)
Port Hardy	949-6559	0715-1715
Prince George	963-7710, Office 963-7552, Office Tape 963-9330	0215-0515 0515-2115
Terrace	635-3224	0710-1710
Vancouver	664-9032/33 Tape 664-9021 (Mtn. Fcst.) Tape 664-9010 (Public Fcst.)	24 hours
Victoria	356-6629/6630 Tape 656-3978	24 hours

(The Pacific Weather Centre is the main contact during hours when the local weather offices are closed. Unless otherwise indicated, all taped messages are for a general forecast.)

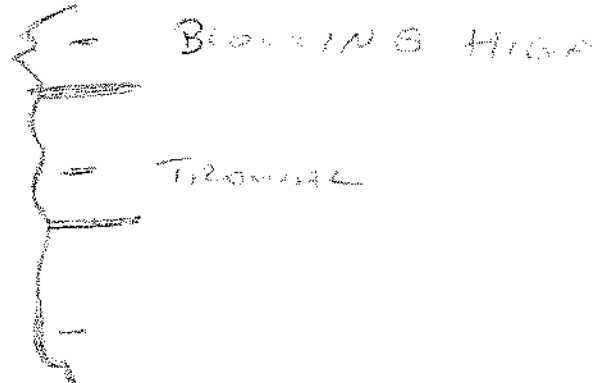
LIST OF WEATHER OFFICES OUTSIDE BRITISH COLUMBIA

BANFF, ALBERTA	Tape	403-762-2088 -762-4707	0600-1700
WHITEHORSE, YUKON	Tape	403-668-2293 403-668-6061	24 HOURS
ALBERTA WEATHER CENTRE	Tape	403-468-7931 403-468-4940	24 HOURS
CALGARY WEATHER OFFICE	Tape	403-275-3300	

698-4916

CHANGES

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



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② USE OF 4c

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0700 - 0700
 - MARK BOUNDARY



- Low

SCOTT MORGAN

- slide series -

- sat pics

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-

N. HILL MAZDA

ON CENTRE.

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2. GARCON CAFE.

Phone calls

TEB 5, 6, 7.

GATEWAY

CHURCH

WINDSON

CHURCH

CHURCH

TRENDLINE...

NEIL SMITH - INSTRUCTIONAL TECHNIQUES