

WESTERN SNOW CONFERENCE

Billings, Montana

Thirty-ninth Annual Meeting  
April 20-22, 1971

PROCEEDINGS  
of the  
WESTERN SNOW CONFERENCE

Billings, Montana  
April 20 - 22, 1971

THIRTY-NINTH ANNUAL MEETING

Harry I. Hunter (General Chairman)  
B.C. Water Resources Service  
Parliament Bldg.  
Victoria, B. C., Canada

Robert T. Davis (Secretary)  
Room 360 U. S. Courthouse  
Spokane, Washington 99201

Program Committee

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Phillip Farnes  
Charles Bowman  
Lloyd Cox  
Ed Wyldman

Editorial Committee

Jack N. Washichek, Editor  
Western Snow Conference  
George Peak  
Robert T. Davis

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MINUTES OF THE EXECUTIVE COMMITTEE

WESTERN SNOW CONFERENCE  
Billings, Montana

The meeting was called to order by General Chairman H. I. Hunter at 11:55 A.M. on April 20, 1971.

The General Chairman stated that the minutes had been published in the Proceedings and called for a motion to accept the minutes as published. It was moved by G. Castle to accept the minutes as published, seconded by A. Kahan. A point of order was called. G. Castle not being on the Executive Committee can not make a motion or vote. The motion was remade by C. Bowman, seconded by L. Peterson. Carried.

The Secretary presented the financial report at the request of the General Chairman. F. Strauss commented on the statement. B. Horn made a motion to accept the financial statement and D. Rockwood seconded. Discussion followed by the Secretary, R. Davis; D. Tarble; F. Strauss; G. Castle; and H. Hunter. Motion carried.

The Dr. Church Award report was given by D. McAndrew. He reported that last years recipient was John Wei Moi. This years recipient will be Eugene Horsley.

The Chairman requested the report of the Awards Committee. Since T. Henderson, the Chairman had not yet arrived at the Conference, he asked if any of the committee had his report. B. Horn reported that T. Henderson would arrive in time for the banquet.

The Chairman then asked for the report from D. Tarble on the success of casting the snowflake tie in silver for presentation to the Life Members. D. Tarble stated that he was successful and in addition was able to cast small snowflakes for tie tacs which he would include as his contribution to the Life Members. These tie tacs are also available to the membership for four dollars each, plus 25 cents for mailing. A clarification of the motion was made by Chairman Hunter at the request of W. Simons. A discussion followed by F. Strauss, A. Kahan, and D. Tarble.

The Chairman requested the Bibliography report from W. Simons. W. Simons reported that 90 per cent of the abstracts are complete and in draft form. The authors index is 90 per cent complete and the subject index is 75 per cent complete or a total of 80 per cent complete.

The Chairman requested the report on the snowmobile film from the Committee Chairman, M. Nelson. M. Nelson reported on the legality of using the collected film clips for a production type film. It was brought out that M. Nelson was to make a film for the archives and for the viewing by the membership as per the original charge by the Executive Committee. Discussion followed by W. Simons, F. Strauss, D. Tarble, G. Castle, B. Horn, D. Rockwood, A. Kahan, and H. Hunter. L. Peterson moved that M. Nelson prepare a print for the archives up to the limitation of \$400.00, seconded by P. Farnes. It was moved and seconded that the amount set up for the preparation of these films be increased to "up to \$600.00". Motion carried.

The Chairman requested the report of the publications committee by F. Strauss. F. Strauss presented a very comprehensive report. Discussion followed by D. McAndrew, W. Simons, H. Hunter, M. Hoover, F. Strauss, and G. Castle. It was moved that a style manual be printed for the Western Snow Conference at a cost not to exceed \$200.00 by M. Hoover, seconded by V. Schermerhorn. Discussion followed by D. Rockwood, F. Strauss, M. Hoover, G. Castle, B. Horn, D. McAndrew, A. Kahan, and G. Peak. The motion carried.

F. Strauss brought out the idea of the Forum being published in the Proceedings as per one of his committee members suggestions. He was against the idea. A discussion followed by B. Horn, M. Hoover, and D. McAndrew. M. Hoover made a motion that the material for the Forum be published with the Proceedings. B. Horn seconded. Motion carried.

Chairman Hunter requested the report of the 1972 meeting in Phoenix, Arizona. B. Horn reported the theme would be "Environment and the Snow Resource" and the conference date is April 18-20. D. Enz reported for the local arrangements committee.

Chairman Hunter requested the report from the South Continental Area for the 1973 meeting. M. Hoover stated that Grand Junction, Colorado was proposed as the meeting site. N. Leupold moved that Grand Junction be the site of the 1973 Conference. A. Kahan seconded. Motion carried.

Chairman Hunter reported on the Exhibitors request to host the Hospitality Hour. He stated that D. Carpenter had lined up the Exhibitors to do this and they would be recognized at the banquet.

The Chairman asked for a report from T. Freeman on the invitation of Alaska to hold the 1974 meeting in Anchorage. The Inter Agency Committee will help host the Conference. Mr. Freeman reported on the facilities and tour rates from Seattle. Mr. Freeman requested comments from the Executive Committee. There was some discussion on changing the date of the meeting to take better advantage of the weather and considerable discussion on cost, arrangements, and other factors. It was suggested that a committee be formed, to investigate the possibilities of attendance by the members, of the four area chairman. Mr. Hunter appointed V. Schermerhorn as Chairman.

General Chairman Hunter reported on the offer of Fred Camp to donate several salon size photos to the Conference. D. Tarble stated he had some fine high altitude satellite photos. A. Kahan moved that the Conference accept the offer of Mr. Camp to donate the pictures. M. Hoover seconded. Discussion followed by G. Castle, F. Strauss, D. McAndrew, H. Hunter, and W. Simons. Motion carried.

The General Chairman asked for any comment on the formation of an archives and historical committee. A. Kahan moved that a committee be formed to consider archives matter. M. Hoover seconded. Motion carried. The Archives Committee to be G. Castle, Chairman; W. Simons, B. Lang, M. Nelson, and D. McAndrew.

The General Chairman appointed R. Davis as secretary for the next two years and asked for the concurrence of the Executive Committee. There being no objection, Mr. Davis was confirmed as Secretary.

The General Chairman read the letter from Scott Polar Research asking for copies of the Proceedings to be sent to Miss L. G. Fevraleva, World Data Centre, U.S.S.R. There was some discussion on the feasibility of sending some Proceedings to U.S.S.R. by W. Simons, F. Strauss, A. Kahan, and N. Leupold. N. Leupold moved that the Conference honor the request of Scott Polar Research. A. Kahan seconded. Motion carried.

The General Chairman then brought up the matter of the Conference Membership brochures. B. Horn moved that the brochures be updated and reprinted. D. Rockwood seconded. Motion carried.

There was some discussion on the El Farsante Award, but it was brought out that T. Henderson would be available at the banquet to handle this matter.

T. Freeman reported that Homer Stockwell was sick in the hospital at Fort Collins. Mr. Freeman was requested to get a large card for the signatures of the attendees and this would be sent to Homer.

D. Tarble reported on the illness of Jerry van de Erve and B. Horn on the illness of Jack Hannaford.

The meeting was adjourned at 1:45 P.M.

The Executive Committee reconvened at 11:30 A.M. on April 21 to discuss the award of Life Membership. Mr. Hunter read the criteria of award of Life Membership. T. Henderson moved five candidates be awarded life membership. D. Rockwood seconded. Motion carried. (Life Memberships printed in Awards following General Business Meeting minutes.)

Meeting adjourned.

Respectfully submitted,

Robert T. Davis, Secretary

MINUTES OF THE BUSINESS MEETING

WESTERN SNOW CONFERENCE  
Billings, Montana

The General Chairman called the meeting to order at 10:05 A. M. April 22, 1971.

The General Chairman asked for a motion from the floor requesting the approval of the minutes as published in the Proceedings. It was moved by G. Moore and seconded by G. Castle. Motion carried.

The General Chairman asked the Secretary to report on the financial status of the Conference. D. Tarble moved that the financial statement be approved as presented. W. Simons seconded. Motion carried.

The General Chairman requested D. McAndrew to make the Dr. Church Award report. (See Executive Committee minutes) Discussion followed by G. Moore.

G. Castle moved that the conference increase the amount of money available for the oversnow film from "up to \$400.00" to "up to \$600.00". T. Henderson seconded. Carried.

The General Chairman requested W. Simons to make the Bibliography report. (See Executive Committee minutes).

The General Chairman requested F. Strauss to give the publication committee report. F. Strauss made the following summary.

1. Preprints be made available at the conference.
2. Publication of papers not presented orally would not be printed.
3. Publication of papers presented at previous meeting, but not submitted according to the time schedule should not be printed.
4. Publication of over length papers would not be printed.
5. Number of papers presented would be up to the Program Committee.
6. Schedules of papers to be presented would follow the deadline set up previously, i.e.
  - a. October 1, submission of abstract.
  - b. December 1, notification of acceptance.
  - c. March 15, receipt of final paper.
  - d. April (meeting with preprints available).
  - e. May 15, receipt of final papers and abstracts.

The adoption of a style manual will be made to speed up publication of the Proceedings. This will be available to the upcoming Program Committee.

The General Chairman requested T. Henderson to make the awards committee report. T. Henderson requested the membership to keep him informed on potential Life Membership candidates. (Life Memberships awarded follow these minutes.)

The General Chairman requested B. Whaley to give the resolution report. (See the resolutions printed preceding these minutes). B. Whaley moved that the resolutions be accepted. F. Strauss seconded. Motion carried.

The General Chairman requested D. Enz to give the invitation from the Governor of Arizona to the Western Snow Conference to hold its 1972 meeting in Phoenix.

The General Chairman reported that the 1973 meeting would be in Grand Junction, Colorado.

The General Chairman reported on the establishment of a standing committee for archive material, composed of, G. Castle, Chairman; W. Simons, B. Lang, M. Nelson, and D. McAndrew.

The General Chairman reported on the awarding of the silver snowflake tie to life members, made by D. Tarble. D. Tarble and F. Strauss discussed this.

F. Strauss brought up the idea that each member should let their Area Chairman know of the possibility of their attending a conference in Anchorage, Alaska. V. Schermerhorn reported that a questionnaire would be prepared and sent out in the very near future. Discussion followed by M. Nelson, D. Tarble, M. Hoover, and T. Freeman. Air fare would be approximately \$156.00 round trip from Seattle.

G. Castle reported on the law to install finder beacons in all mountain flying aircraft.

General Chairman Hunter thanked the Executive Committee, North Continental Area, Ladies Program Committee, and Bob and Jackie Davis for their help.

The meeting was adjourned at 10:45 A.M.

Respectfully submitted,

Robert T. Davis, Secretary

Awards presented at the Annual Banquet Wednesday, April 21, 1971.

Life Membership: Chet Cleary, Jr., Meredith Thom, W. E. Anderson, R. A. Davis, and Walter Ruppel.

El Farsante: Gordon Nikolaus



ATTENDANCE ROSTER  
WESTERN SNOW CONFERENCE  
BILLINGS, MONTANA  
APRIL 20-22, 1971

Anderson, Henry W.	Berkeley, California
Arndt, Clarence F.	Sacramento, California
Auer, August, Jr.	Laramie, Wyoming
Avery, Mr. & Mrs. Charles C.	Seattle, Washington
Ballard, Wes	San Mateo, California
Barton, Manes	Gresham, Oregon
Benoit, Clifford	Missoula, Montana
Berling, Mr. & Mrs. Robert	Loveland, Colorado
Berndt, H. W.	Wenatchee, Washington
Birchim, James L.	Independence, California
Blevins, Zenas C.	Boise, Idaho
Boring, William R.	Portland, Oregon
Bowman, Mr. & Mrs. C. C.	Bozeman, Montana
Brawn, R. E.	Vancouver, British Columbia
Brown, Bob	Los Angeles, California
Bryan, James B.	Denver, Colorado
Bush, Dick	Placerville, California
Carpenter, Dib	Fremont, California
Castle, Mr. & Mrs. Glenn	Sacramento, California
Clagett, George P.	Bozeman, Montana
Clorey, Barney	Sacramento, California
Coltharp, George B.	Logan, Utah
Coolsey, John R.	Denver, Colorado
Cork, H. F.	Etobicoke, Ontario
Cox, Lloyd	Boise, Idaho
Crook, Arthur	Casper, Wyoming
Crow, Loren W.	Denver, Colorado
Crupper, John C.	Missoula, Montana
Cudworth, Arthur G., Jr.	San Francisco, California
Currier, Ed	Glenwood Springs, Colorado
Davis, Mr. & Mrs. Robert T.	Spokane, Washington
Deets, Mr. & Mrs. Neil A.	Vernal, Utah
Delk, Robert	Kalispell, Montana
Deonier, Alan	Sidney, Montana
Dightman, R. A.	Helena, Montana
Dyer, Fred	Seattle, Washington
Edwards, Pen	Boulder, Colorado
Eggleston, James	Missoula, Montana
Elliott, Robert D.	Santa Barbara, California
Enz, Richard W.	Tempe, Arizona
Ewald, George E. Jr.	El Monte, California
Farnes, Mr. & Mrs. Phillip	Bozeman, Montana
Felgenhauer, Mr. & Mrs. Don	Spokane, Washington
Fellows, James C.	College Place, Washington
Fetty, Carl	Hillsboro, Oregon
Findlay, Bruce	Toronto, Ontario
Fletcher, H. C.	Fort Collins, Colorado
Fluto, Ken	Winnipeg, Manitoba
Forbes, Mr. & Mrs. Bruce	Renton, Washington
Fowler, Keith	Santa Ana, California
Fowler, W. B.	Wenatchee, Washington
Freeman, Ted	Anchorage, Alaska
Garn, Herb S.	Billings, Montana
George, Tom	Portland, Oregon
Gigliotti, Tom	Delta, British Columbia
Goodell, Mr. & Mrs. Bert	Vancouver, British Columbia
Gornall, Jack	Vancouver, British Columbia
Haight, J. Golden	Salt Lake City, Utah
Hart, George E.	Logan, Utah
Hartzell, Curtis L.	Fort Collins, Colorado

Harvatin, Joseph F.  
Hellman, Mr. & Mrs. Robert  
Henderson, Thomas J.  
Hill, Leland K.  
Honold, Jesse L.  
Hoover, Marvin D.  
Horn, William L.  
Hughes, Dallas  
Hunter, Mr. & Mrs. H. I.  
Isaacson, J. Allen  
Jackson, Peter  
Jacobson, Mr. & Mrs. Cecil  
Jones, Gerald W.  
Kahan, Archie M.  
Keil, Paul  
Konizerki, Richard  
Larson, Lee  
Leaf, Mr. & Mrs. Charles  
Leake, Robert E. Jr.  
Letson, Richard  
Leupold, Mr. & Mrs. Norbert  
Lillie, Mr. & Mrs. Dale  
Linford, A. B.  
McAndrew, Don  
McClintock, Ray  
McKay, David J.  
Makela, Don R.  
Mann, Russell P.  
Meier, Marvin C.  
Meiman, Jim  
Minter, Mr. & Mrs. Ben  
Mitchell, Bruce  
Molnau, Myron  
Moor, Julius  
Moore, R. Gilbert  
Morel-Seytoux, H. J.  
Moreland, Ronald  
Morrison, Richard  
Mustapha, Majeed  
Neff, Mr. & Mrs. Earl  
Nelson, Morlan  
Nikolaus, Gordon  
Obled, Charles  
Paulin, George  
Peak, George W.  
Pearson, Gregory L.  
Peterson, Lee R.  
Pike, George  
Pipes, A.  
Poliquin, Wil  
Purcell, Ralph  
Rasmussen, James L.  
Rechard, Paul A.  
Reed, Kenneth R.  
Richards, Lucille  
Richardson, Raymond L.  
Rockwood, David M.  
Rosgen, Dave  
Ross, Mr. & Mrs. Bob  
Ross, Roger L.  
Russell, Ronald L.  
Russell, William, Jr.  
Sanders, Glenn  
Saulmon, Mr. & Mrs. Robert  
Schaechter, Wolfgang

Albuquerque, New Mexico  
North Bend, Washington  
Fresno, California  
Los Angeles, California  
Denver, Colorado  
Fort Collins, Colorado  
Sacramento, California  
Roseburg, Oregon  
Victoria, British Columbia  
Coeur d'Alene, Idaho  
Harrison, Montana  
Provo, Utah  
Fort Collins, Colorado  
Denver, Colorado  
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Palo Alto, California  
Toronto, Ontario  
Seattle, Washington  
Yakima, Washington  
Ogden, Utah  
Fort Collins, Colorado  
Sacramento, California  
Boise, Idaho  
Moscow, Idaho  
Anchorage, Alaska  
Ogden, Utah  
Fort Collins, Colorado  
Fort Collins, Colorado  
Salt Lake City, Utah  
Edmonton, Alberta  
Sidney, Montana  
Boise, Idaho  
Portland, Oregon  
Grenoble, France  
Riverside, California  
Casper, Wyoming  
Portland, Oregon  
Menlo Park, California  
Helena, Montana  
Vancouver, British Columbia  
Calgary, Alberta  
Vancouver, British Columbia  
Fort Collins, Colorado  
Laramie, Wyoming  
Portland, Oregon  
San Francisco, California  
Salt Lake City, Utah  
Portland, Oregon  
Missoula, Montana  
Bozeman, Montana  
Seattle, Washington  
Denver, Colorado  
Drofino, Idaho  
Oxnard, California  
Sidney, Montana  
Ogden, Utah

Schermerhorn, Vail	Portland, Oregon
Schnell, Russ	Laramie, Wyoming
Schuler, Bill	Denver, Colorado
Scott, Walter R.	Tacoma, Washington
Simons, Wilbur D.	Menlo Park, California
Smith, Douglas	Helena, Montana
Soiseth, Mr. & Mrs. Ronald J.	Sidney, Montana
Spangler, Tim	Laramie, Wyoming
Sperry, J. E.	Seattle, Washington
Spitzer, Milton	Calgary, Alberta
Sporns, U.	Burnaby, British Columbia
Stark, Robert G.	Edmonton, Alberta
Strauss, Fred	Porterville, California
Swanson, Mr. & Mrs. Robert	Edmonton, Alberta
Swift, Charles H. III	Tacoma, Washington
Tabler, Ron	Laramie, Wyoming
Tarble, Richard D.	Sacramento, California
Tasso, Richard J.	Oxnard, California
Taylor, Ted	San Francisco, California
Thorud, David B.	Tucson, Arizona
Vance, Mr. & Mrs. Howard	Portland, Oregon
Vander Heide, Tony	Custer, South Dakota
Veal, Donald L.	Laramie, Wyoming
Wade, Arthur L.	Boulder, Colorado
Waiser, John T.	Goleta, California
Warskow, William L.	Phoenix, Arizona
Washichek, Jack N.	Fort Collins, Colorado
Watkins, Mr. & Mrs. Clifford	Portland, Oregon
Weinstein, Mr. & Mrs. Byron	Los Angeles, California
Whaley, Bob L.	Salt Lake City, Utah
White, Ron J.	Vancouver, British Columbia
Whitsel, Mr. & Mrs. Jerry	Loveland, Colorado
Willen, Donald W.	Harrisonburg, Virginia
Williams, D. Keith	Billings, Montana
Williams, E. Dwight M.	Vancouver, British Columbia
Williams, Gerald	Midvale, Utah
Womack, James L.	Portland, Oregon
Wyldman, Edward C.	Edmonton, Alberta
Zimmerman, Roger	Laramie, Wyoming