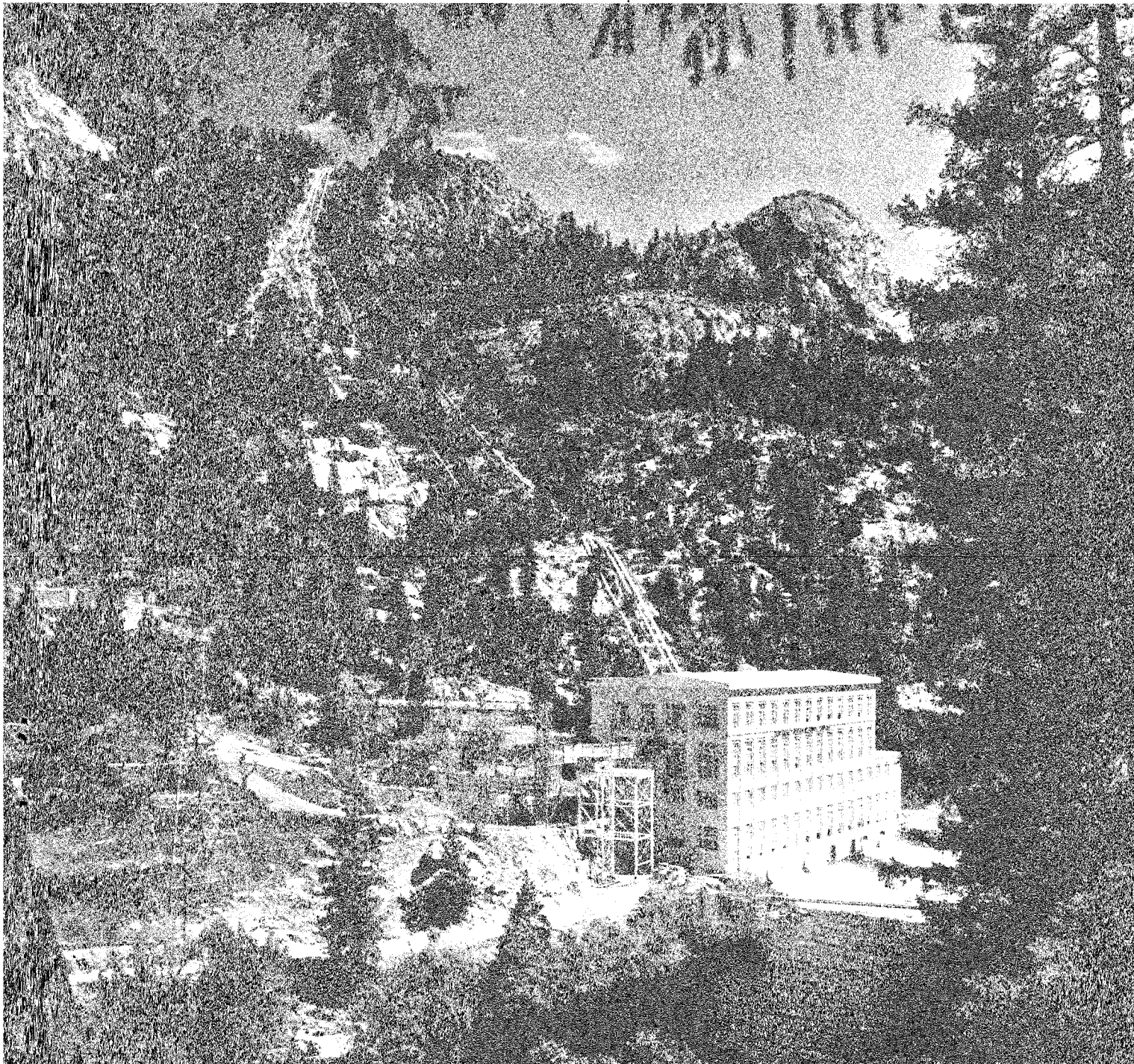


43rd ANNUAL MEETING WESTERN SNOW CONFERENCE

APRIL 23-25, 1975

Hotel Del Coronado
Coronado, California



PROCEEDINGS
of the
WESTERN SNOW CONFERENCE

Coronado, California

April 23 - 25, 1975

FORTY-THIRD ANNUAL MEETING

Archie M. Kahan (General Chairman)
Bureau of Reclamation
Code 1200, P. O. Box 25007
Denver Federal Center
Denver, Colorado 80225

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

Program Committee

D. W. McAndrew, Chairman
J. L. Smith

Editorial Committee

Jack N. Washichek, Editor
D. W. McAndrew
Robert T. Davis

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Fort Collins, Colorado

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PROCEEDINGS OF THE WESTERN SNOW CONFERENCE

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The Bibliography of Western Snow Conference Proceedings is available from the Secretary at a cost of \$10.00 for non-members and \$7.00 for members. This Bibliography lists the papers and abstracts of all papers of the Western Snow Conference from 1933 through 1973. This Bibliography is sent in a three-ring binder or the abstracts can be cut apart and placed in a 3 x 5 card file.

Selected issues of past Proceedings are also available from the Secretary at a cost of \$3.00 each. Not all years are available and some are in short supply. The years and issues that are available on a first come first served basis are:

1953	21st	1958	26th	1959	27th
1960	28th	1961	29th	1962	30th
1964	32nd	1965	33rd	1966	34th
1967	35th	1968	36th	1970	38th
1971	39th	1972	40th	1973	41st
1974	42nd	1975	43rd		

MINUTES OF THE EXECUTIVE COMMITTEE

WESTERN SNOW CONFERENCE Coronado, California

The meeting was called to order by General Chairman A. Kahan at 11:45 A. M., April 24, 1975.

The General Chairman asked the Secretary to present the financial report for the 1974 fiscal year. R. Davis gave a review of the 1973 report, and then presented the 1974 report which indicated a small gain in the net worth of the Conference. Questions were asked by W. Lang, H. Hunter. It was moved by J. Smith that the financial statement be accepted, seconded by W. Lang. The motion carried.

It was moved by W. Lang that the Conference advertise the availability of the Bibliography and past issues of the Proceedings in the current Proceedings, enumerating what issues are still available and their cost. The seconder of this motion was not identified. The motion carried.

The General Chairman asked for a motion to accept the minutes of the 1974 meeting as printed in the Proceedings. It was so moved by L. Peterson and seconded by J. Wilson. Motion carried.

The General Chairman reappointed R. Davis to the position of Secretary, Western Snow Conference, and asked for a motion confirming his appointment. It was so moved by R. Berling, seconded by J. Wilson. Motion carried.

The General Chairman appointed F. Strauss Chairman, and D. Kuehl member of the Resolutions Committee.

The General Chairman announced that L. Peterson has already been appointed Chairman of the Awards Committee. J. Hannaford moved that, since this is the twenty-fifth anniversary of the El Farsante Award, W. Lang be appointed Chairman of the Awards Committee with L. Peterson assisting. (Note: W. Lang was one of the three originators of the El Farsante Award). The other members of the Awards Committee are the Area Chairmen. This motion was seconded by B. Brown. Motion carried.

The General Chairman asked if the chairman of the Publications Committee had a report. J. Washichek reported none.

The General Chairman asked if the chairman of the silver snowflakes had a report. J. Washichek reported he had contacted the Micro Foundry in Central City, Colorado and they would be interested in trying to do the job by layering sheets of silver, one on top of the other, but to date he had not gotten around to trying. J. Washichek also had talked to someone about a lost-wax process, but also to date nothing. R. Davis reported on the questionnaire that was sent out. L. Ambrose asked about the price and J. Washichek reported that the last quote he had for a silver snowflake from the mold of the regular snowflake was 8 to 10 dollars, but there was absolutely no visible difference. A. Kahan appointed J. Washichek to continue the chairmanship of the silver snowflake tie committee. B. Berling volunteered to help. L. Ambrose asked about the snowflake earrings and their availability.

A. Kahan asked L. Ambrose for the Wilderness Committee report. L. Ambrose reported that support for the Sisk Bill has been obtained from the Western Washington Remote Hydro-climatological Committee, in the form of a resolution which was sent to Congressman Sisk with copies to the Washington Congressional delegation. The Western Systems Coordinating Council was presented the same resolution and the Operating Committee and Executive Committee of that group had gone on record as approving Sisk Bill H.R. 2742. Outside suggestions to speed passage of the Bill were to remove the weather modification from the Bill, but this was not proposed, or limit the weather modification to sub-critical water supply outlook years or involve the conservation groups such as the Sierra Club, or Friends of the Earth by explaining just how much impact cloud seeding will have on the environment. The Committee proposed that the General Membership of the Western Snow Conference update the resolution using the new number of the Sisk Bill and make the same distribution as last

year. L. Ambrose recommended that the Wilderness Committee be updated and proposed that F. Dyer be considered his replacement. The General Chairman read a letter he had received from Congressman Sisk stating that he was resubmitting his Bill and commenting that the only way for the Bill to be considered was for the Committee Chairman to authorize hearings and that was predicated on the amount of mail received in support of the Bill. This mail should be individual letters, especially from the constituents, to the Chairman, Harold T. Johnson. Resolutions help, but do not carry the weight of individual letters. J. Hannaford commented that he had written to Congressman Johnson and later had the opportunity to talk with him. Congressman Johnson stated that there was no way for the Sisk Bill to get passed as long as the weather modification was left in; he had received a good deal of negative mail from people who are opposed to weather modification. He recommended that the weather modification be dropped from the Bill. J. Hannaford further stated that the only way to get this item off the ground is to pile on the positive mail. The General Chairman commented that an effort to get the Sisk Bill attached to a Wilderness Bill as an amendment was tried, but didn't succeed. F. Strauss commented that in his opinion, Congressman Johnson was personally responsive to the needs of the irrigation and water interests, but also the mail that he has received has all been on the negative side. Further comments were made by J. Smith and L. Peterson. The General Chairman asked for volunteers of interested parties to make the Wilderness Committee a balanced group with both pro and con members. J. Smith was asked if he would serve as a member. Further discussion was had on the new Forest Services' Position Paper re "Wilderness Areas" by the General Chairman, L. Ambrose, and J. Smith. The General Chairman stated that he would, at a later date, select the members to make up a revitalized Wilderness Committee.

The General Chairman stated that he had replaced D. Storr, who has resigned from the Executive Committee, with L. Warner. Both of these gentlemen are from Calgary, the site of our 1976 Conference. D. Storr is going on a foreign assignment to Korea. Also, since D. Storr was Area Chairman, the General Chairman, following the Constitution and By-Laws, selected J. Wilson as the new Area Chairman for the North Continental Area. The General Chairman then asked for a motion approving actions made. G. Clagget moved, and J. Smith seconded. Motion carried.

The General Chairman asked for comments from the Chairman of the South Continental Area as to the proposed location for the 1977 Conference. J. Washichek responded that the Area Committee was proposing that the meeting be held in Albuquerque, New Mexico. D. McAndrew moved, and L. Peterson seconded. Motion carried.

A. Codd wished to thank the Western Snow Conference for pushing through the publication of the bibliography which was a culmination of twelve or so years of effort and also to W. Simons for his efforts in editing. The General Chairman commented that it was A. Codd that should be thanked for his tireless efforts in putting together a fine publication.

The General Chairman asked if D. McAndrew or R. Moreland would name the 1975 recipient of the Dr. Church Award and give some of his background. D. McAndrew reported that there were two committees in Reno that were advantages to stay in Reno; the Archives Committee and the Dr. Church Award Committee. D. McAndrew has instructed R. Moreland in the procedure and replaced his name at the Library, so R. Moreland is the only authorized name to place or withdraw materials of the Western Snow Conference; and told who to contact re the Dr. Church Award.

A Bibliography has been placed in the Archives, but all of the Proceedings are not in the Archives, only eleven are there. J. van de Erve offered to donate his set to the Archives, but because of personal complications, he has been unable to collect the issues from storage. L. Peterson stated that the South Pacific Area Committee would see that the Proceedings were picked up and delivered to Reno for the Archives. B. Brown moved the acceptance of the report, B. Whaley seconded. Motion carried.

R. Moreland announced that this years winner of the Dr. Church Award would be Timothy James Lorello, a straight A student from the Reno High School, who will continue his education at some as yet undesignated college, probably in Math or some Physical Science. It was moved by B. Lang and seconded by B. Whaley that the Dr. Church Award be so made. Motion carried.

B. Lang asked that the Area Chairman contact him with names of candidates for Life Award as well as El Farsante.

The Chairman of the South Pacific Area, J. Hannaford, announced that since D. McAndrew has moved outside the area, R. Moreland has been appointed to fill that vacancy.

There being no further business, the General Chairman adjourned the meeting.

Respectfully submitted,

Robert T. Davis, Secretary

MINUTES OF THE BUSINESS MEETING

WESTERN SNOW CONFERENCE Coronado, California

The meeting was called to order at 10:30 A.M. April 25, 1975, by the General Chairman, A. Kahan.

A. Kahan wished to express his appreciation to the South Pacific Area Committee for putting together an excellent meeting, smoothly run, and under such trying circumstances. Specifically he wished to thank J. Hannaford, Area Chairman; D. McAndrew and J. Smith, Program Committee; and B. Brown and L. Peterson, Local Arrangements Committee. In addition, he thanked B. Whaley, G. Clagett, and J. Wilson for their assistance in running the projection equipment.

J. Hannaford brought out the fact that J. Brown and the DWR of California supplied the large pictures that served as a backdrop for the speakers. A. Kahan further commented on the size and excellence of the pictures.

The General Chairman asked if there were any additions or corrections to the minutes of the 1974 meeting as published in the Proceedings. There being none, he asked if there was a motion to accept the minutes as published. F. Blanchard so moved and B. Whaley seconded. The motion carried.

The General Chairman asked that R. Davis give the financial report (see minutes of the Executive Committee meeting). R. Davis moved the acceptance of the financial report. B. Lang seconded. Motion carried.

The General Chairman asked R. Moreland to present the Dr. Church Award report. The J. E. Church Award nomination for 1975 is Timothy James Lorello, a straight A student from Reno High School.

A. Kahan reported that R. Moreland has been appointed to replace D. McAndrew on the South Pacific Area Committee, as chairman of the Archives Committee, and as chairman of the Dr. Church Award Committee.

A. Kahan asked if L. Ambrose would present the Wilderness Committee report (see minutes of Executive Committee). Comments were requested from the floor. L. Ambrose suggested that the Western Snow Conference go on record supporting the Sisk Bill as was done last year. B. Walser moved and J. Hannaford seconded. A. Kahan commented on the effect of the resolution as received by the legislators. It was his opinion that the only criteria the Chairman of the Sub-committee used to determine if a hearing should be held was the weight or height of letters he received in support of the Bill and these should be letters from individuals and especially his constituents. I. Ingerson suggested that an example letter be prepared for the membership so they would have the proper name and address and a suggested format to follow. R. Leake commented that it was his opinion that the Bill would not be heard by the Johnson Sub-committee, but by Melcher from Montana. He further suggested that the Western Snow Conference resolution be sent to the same persons that received it last year, but not to all members of Congress. It was his opinion that the individual contact was more important than the resolution. A. Kahan said he will make sure of the proper recipient of these letters and inform the membership. He further commented on legislative processes for the calling of hearings. R. Leake further commented on the propriety of the Conference authorizing the General Chairman to testify at the hearing when they are called. F. Strauss moved that the General Chairman be authorized to attend and testify. The General Chairman recognized that there was a previous motion on the floor and asked if the mover would accept an amendment restricting the resolution to be sent to only the committees, etc., and not the full Congress. This being acceptable to Walser and Hannaford the amended motion was passed. F. Strauss resubmitted his motion, it was seconded by L. Ambrose. I. Ingerson commented on the propriety of having someone with the Federal Government or other organization with "an axe to grind" representing the Conference in this matter. He further suggested that it would be better if someone like a Chamber of Commerce member could be designated. J. Hannaford commented further along this line. A. Kahan commented on the problem he would face, with the USBR, if it were the Conferences wish that he represent them

at any hearing. F. Strauss commented that his motion was made so that if the General Chairman found he was unable to testify in person, he would have the latitude to designate some person to represent the Western Snow Conference. R. Leake stated that it was his understanding that Congressman Sisk was going to request that A. Kahan present testimony at any hearing and possibly at that time he could submit testimony for the Western Snow Conference. If this was not apropos then he should designate a representative. J. Smith put forth the name of R. Leake as that alternate, this as an amendment to the motion. The General Chairman then called the question, and the motion carried.

The General Chairman asked if there was any decision relative to the Forum, and asked for comments from the group. P. Farnes in earlier conversation with the General Chairman had put forth the name of B. Shafer as a possible Editor and R. Davis asked if T. Henderson had not been tentatively nominated at the last meeting. J. Brown offered the name of N. Peterson from his staff to be Editor since the previous editor was B. Miller and all records, etc., are in Sacramento and readily available. N. Peterson stated that he had talked to T. Henderson about this and he was not sure if he had been designated. I. Ingerson commented on the need for continuing this publication of the Forum. The General Chairman stated that he would officially name an Editor for the Forum in the near future.

The General Chairman asked for the report from the Resolutions Committee, F. Strauss and D. Kuehl. F. Strauss presented the report in brief, stating that the formal text would not be given but the recipients names were as follows: the Vice Mayor of Coronado, Rich Allison; Ash Codd; Program Committee; Local Arrangements Committee; Director Robie of DWR; Dr. Milton Kolipinski; Life Memberships; and the Publications Committee. F. Strauss moved the authorization of the resolutions, B. Lang asked to include the name of Dave Kennedy to the list of recipients; seconded by B. Land. Motion carried.

B. Lang moved a constitutional amendment relating to the awarding of Life Membership by striking "Item A, Paragraph 4, Article III". This eliminates the age restriction for life membership. The motion was seconded by L. Peterson. Motion carried.

The General Chairman then announced the Calgary "promo" film would be shown. At the conclusion of the film, the General Chairman stated that some of the activities shown would not be available due to the timing of the Conference, but that the others would be carried on.

The General Chairman then again thanked those members who were responsible for putting on the Conference and adjourned the 43rd Annual Meeting of the Western Snow Conference at 11:30 A.M.

Respectfully submitted,

Robert T. Davis, Secretary

Awards presented at the Annual Banquet, Thursday, April 24, 1975

Honorary Life Membership: Ashton R. Codd

Life Membership: J. R. Barkley
George Peak
Elven McDonough
Max Kohler
Norbert Leupold
Willard Dean

El Farsante: Don McAndrew

ATTENDANCE ROSTER
WESTERN SNOW CONFERENCE
CORONADO, CALIFORNIA
APRIL 23 - 25, 1975

Ambrose, Lewis K.	Seattle, WA
Amorocho, Jaime	Davis, CA
Atkins, Roy R.	Seattle, WA
Avery, Charles C.	Flagstaff, AZ
Ball, Ronald L.	Loveland, CO
Berling, Mr. & Mrs. Bob	Loveland, CO
Berman, Mr. & Mrs. Ed	Canoga Park, CA
Blanchard, Mr. & Mrs. Francis	Orinda, CA
Brown, Alvin J.	Sacramento, CA
Brown, Bob	Rosemead, CA
Brown, Robert	Tulsa, OK
Bryant, George	Warminster, PA
Burke, Michael	San Diego, CA
Burns, Joseph I.	Sacramento, CA
Carpenter, Dib	Walnut Creek, CA
Carlson, Paul L.	Tucson, AZ
Carroll, Tom	Boulder, CO
Chambers, Mr. & Mrs. Allen	Coronado, CA
Clagett, Mr. & Mrs. George	Casper, WY
Clapp, Fred	Berkeley, CA
Clark, Jack	Pittsburgh, PA
Clemmons, Charlie	Tucson, AZ
Cloety, Mr. & Mrs. Barney	Sacramento, CA
Codd, Ashton R.	Pacific Grove, CA
Coulson, C. H.	Victoria, B. C.
Countryman, Mr. & Mrs. Joseph	Sacramento, CA
Court, Mr. & Mrs. Arnold	Northridge, CA
Crook, Mr. & Mrs. Arthur	Anchorage, AK
Dahl, Mr. & Mrs. Bob	Oakdale, CA
Davis, Mr. & Mrs. Robert	Spokane, WA
Dean, Mr. & Mrs. Bill	Sacramento, CA
Deets, Neil A.	Vernal, UT
DeVries, Johannes	Davis, CA
Duckering, Mr. & Mrs. Donald	Fresno, CA
Eaken, David	Tacoma, WA
Eaken, Glen	Tacoma, WA
Eakin, Ralph	Oakland, CA
Edwards, Pen	Boulder, CO
Enz, Mr. & Mrs. Richard	Tempe, AZ
Erickson, Mr. & Mrs. Del	Saskatoon, Sask.
Erickson, Mr. & Mrs. Ernest	Los Angeles, CA
Ewald, George E.	City of Industry, CA
Farnes, Phillip	Bozeman, MT
Ffolliott, Peter F.	Tucson, AZ
Findlay, B. F.	Downsview, Ontario
Fitzharris, B. Blair	Dunedin, New Zealand
Foster, James L.	Greenbelt, MD
Fox, W. B.	McLean, VA
Gary, Howard L.	Fort Collins, CO
Gay, Lloyd W.	Tucson, AZ
Golding, Douglas L.	Edmonton, Alberta
Gray, Mr. & Mrs. Carleton	Washington, DC
Griswold, Mr. & Mrs. Tom	Aurora, CO
Halverson, Howard G.	Pennington, NJ
Hannaford, Jack	Placerville, CA
Hall, Roderick	Placerville, CA
Hartzell, Curtis L.	Fort Collins, CO
Haupt, Harold F.	Moscow, ID

Hildebrand, Mr. & Mrs. Carver
 Holt, Gary
 Horton, Mr. & Mrs. Carrol
 Horton, Mr. & Mrs. Dean
 Hunter, Mr. & Mrs. Harry
 Ingerson, Mr. & Mrs. Irvin
 Jepson, Mr. & Mrs. George
 Johnson, Robert L.
 Jones, James R.
 Jones, Ronald A.
 Kahan, Mr. & Mrs. Archie
 Kuehl, Mr. & Mrs. Don
 Ladine, D. A.
 Lang, Mr. & Mrs. William
 Leake, Mr. & Mrs. Robert E.
 Linlor, William I.
 McAndrew, Mr. & Mrs. Don
 McCall, Warren
 McDonough, Mr. & Mrs. Mac
 McGarry, Mr. & Mrs. J. M.
 McGinnis, Mr. & Mrs. David
 Mann, Mr. & Mrs. A. S.
 Martinelli, Pete
 Meiman, Jim
 Mewes, Julia
 Mitchell, Bruce
 Moreland, Mr. & Mrs. Ronald
 Morrison, Mr. & Mrs. R. G.
 Naster, Mr. & Mrs. James
 Newhall, George N.
 Pearson, Gregory L.
 Peters, Helen J.
 Peterson, Lee R.
 Peterson, Ned R.
 Purcell, Ralph
 Raimundo, Herman
 Richards, Mr. & Mrs. Marshall
 Riley, J. W.
 Savary, Mr. & Mrs. George
 Schaefer, Mr. & Mrs. D. Garry
 Schneider, Stanley
 Schuler, Bill
 Schulz, Mr. & Mrs. Edmund
 Shafer, Bernard
 Sherrets, Mr. & Mrs. Ray
 Silvey, Lee
 Smith, Mr. & Mrs. George
 Smith, James L.
 Strauss, Mr. & Mrs. Fred
 Sullivan, James J.
 Tabler, Ronald D.
 Taylor, Ted
 Thompson, Kenneth R.
 Thompson, Vernon
 Travis, Mr. & Mrs. Arlin
 Van Haveren, Bruce P.
 Vaughn, Lafayette
 Wallace, Mr. & Mrs. J. M.
 Walser, John T.
 Warner, Mr. & Mrs. L. A.
 Warskow, William L.
 Washichek, Mr. & Mrs. Jack
 Wells, Jim
 Whaley, Bob

Los Angeles, CA
 Burbank, CA
 Fresno, CA
 LaJolla, CA
 Victoria, B. C.
 Sacramento, CA
 Los Angeles, CA
 Albuquerque, NM
 So. Lake Tahoe, CA
 Berkeley, CA
 Lakewood, CO
 Portland, OR
 Burbank, CA
 Laguna Hills, CA
 Fresno, CA
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 Bozeman, MT
 Tacoma, WA
 Salt Lake City, UT
 Ogden, UT
 Suitland, MD
 Edmonton, Alberta
 Fort Collins, CO
 Fort Collins, CO
 Boulder, CO
 Boise, ID
 Reno, NV
 Meridian, ID
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 Newcastle, CA
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 Sacramento, CA
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 Sacramento, CA
 Silver Spring, MD
 El Paso, TX
 Burlingame, CA
 Vancouver, B. C.
 Suitland, MD
 Denver, CO
 Fort Collins, CO
 Bozeman, MT
 Sacramento, CA
 Lakewood, CO
 Livermore, CA
 Pleasant Hill, CA
 Porterville, CA
 Pasadena, CA
 Laramie, WY
 San Francisco, CA
 Davis, CA
 Walla Walla, WA
 Norman, OK
 Denver, CO
 Los Angeles, CA
 Vancouver, B. C.
 Goleta, CA
 Calgary, Alberta
 Phoenix, AZ
 Fort Collins, CO
 Meridian, ID
 Salt Lake City, UT

Whaley, Mr. & Mrs. William
White, Mr. & Mrs. Ron J.
Wilcox, Roger
Wilson, Jack A.
Wilson, Mr. & Mrs. Ted
Zettlemoyer, Robert H.

Albuquerque, NM
Vancouver, B. C.
Tulsa, OK
Boise, ID
Phoenix, AZ
Sacramento, CA

LATE REGISTRATION

Coats, Robert N.
Crozier, Al
Forbes, Bruce F.
King, Donald H.
McCullough, Charles A.
Reisbeck, Merle A.
Schied, Robert C.
Sporns, Ulrich
Stidd, Charles K.
Stockman, Wm. C.

Oakland, CO
San Diego, CA
Renton, WA
Rosemead, CA
Sacramento, CA
Boulder, CO
San Mateo, CA
Vancouver, B. C.
LaJolla, CA
Glendale, CA