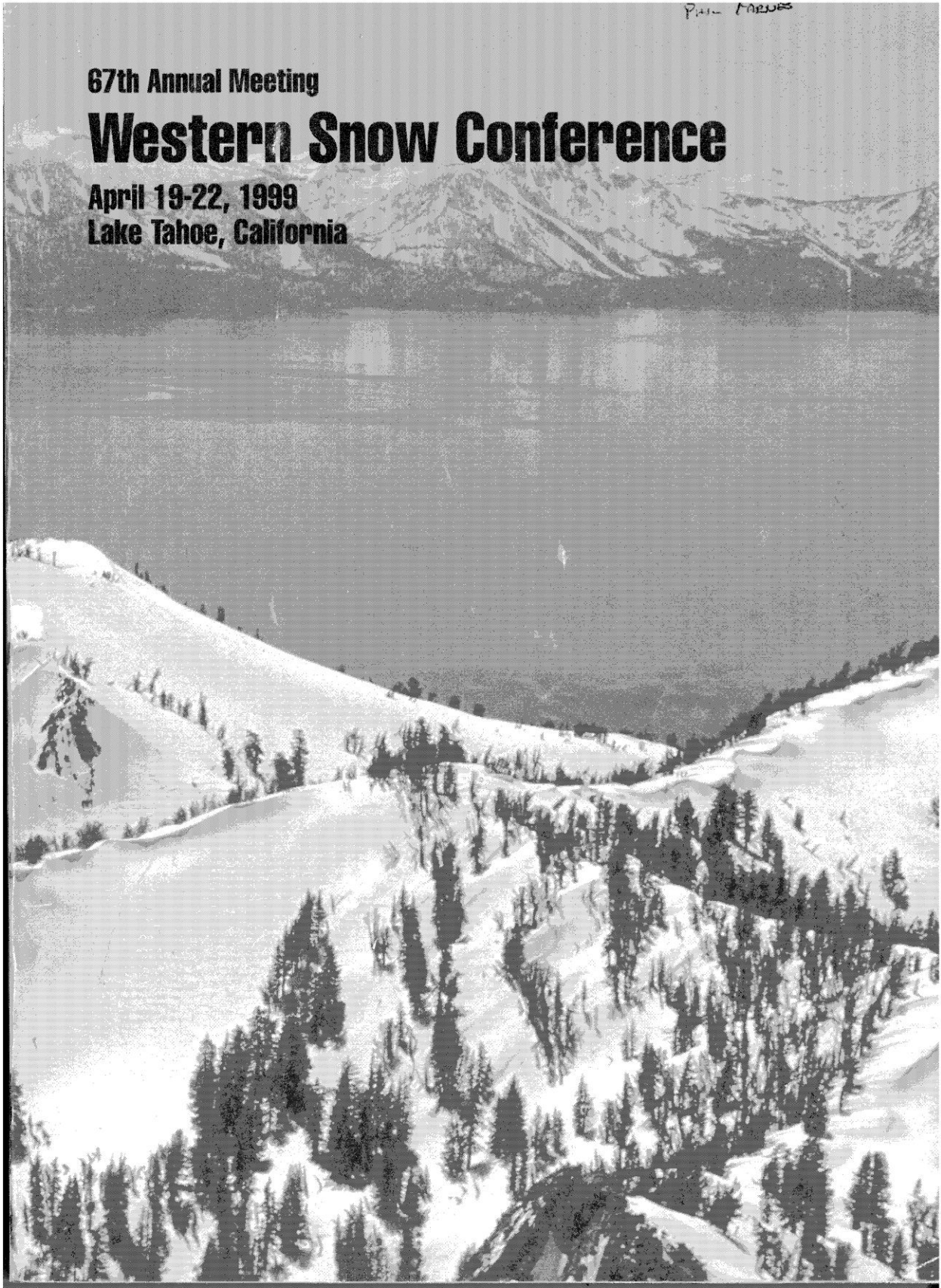


67th Annual Meeting

Western Snow Conference

April 19-22, 1999

Lake Tahoe, California



Cover Photo: Lake Tahoe
Courtesy of Rick Kattelmann

PROCEEDINGS
OF THE
WESTERN SNOW CONFERENCE
SOUTH LAKE TAHOE, CALIFORNIA

APRIL 19-22, 1999

SIXTY-SEVENTH ANNUAL MEETING

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**PROCEEDINGS OF THE
1999 WESTERN SNOW CONFERENCE**

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MINUTES OF THE 1999 EXECUTIVE COMMITTEE MEETING

WESTERN SNOW CONFERENCE

SOUTH LAKE TAHOE, CALIFORNIA

APRIL 19, 1999

67.1 Welcome to the Conference

The 67th meeting of the Executive Committee of the Western Snow Conference (WSC) was called to order by General Chair, Chuck Troendle at 3:00 p.m. April 19, 1999. In attendance:

Executive Committee

Chuck Troendle
Bob Swanson
Jim Marron

General Chair
Secretary/Treasurer
Documents Manager

Robert L. Jairell
Stepp Steppuhn
Ron Abramovich (Proxy)
Peter L. Palmer
Ted Gilbert

North Continental
North Continental
North Continental
North Continental
North Continental

Kelly Elder
Manuel H. Martinez
Randy Julander

South Continental
South Continental
South Continental

Jon Lea
Don Huffman
Scott Pattee
Bob Richards
Matt Brunengo

North Pacific
North Pacific
North Pacific
North Pacific
North Pacific

Bruce McGurk
Frank Gehrke
Rick Kattelman
Randall Osterhuber
Jack F. Hannaford
Sue Becker
Jessica Ollerton

South Pacific
South Pacific
South Pacific
South Pacific
South Pacific
South Pacific
South Pacific

Jack Hannaford,
Bob Swanson
Bob Richards

Past General Chair, Awards Committee
Past General Chair, Secretary/Treasurer
Past General Chair

67.2 Approval of Minutes for the 1998 Annual Executive Committee Meeting

Motion 1

Moved by Jon Lea and seconded by Randy Julander to
accept the minutes of the 1998 meeting as
printed in the 1998 proceedings.

..... Motion Carried

67.3 Secretary's Report

Bob Swanson reported 83 members have paid their dues for this year. He also said he received membership lists from Jim Marron in PFS format and Jack Pardee in EXCEL format and both were transferred to Microsoft access. The data has been arranged so that either a work/agency or home address can be entered. In addition, a Quattro database of all attendees at the Western Snow Conference Annual meetings since 1980 was obtained from Keith Cooley. This has all been linked together for a comprehensive database for WSC membership. Bob also reported he has e-mail addresses for most attendees this year.

67.4 Treasurer's Report

A current balance of \$10,763 was reported. This was before any expenses for this conference have been paid.

Motion 2

Moved by Randy Julander and seconded by Bob Richards
to accept Secretary and Treasurer's report as read.
..... Motion Carried

67.5 Annual Meeting Reports

- 67.5.1 1999 Annual Meeting - South Lake Tahoe, California.
Bruce McGurk reported the meeting was running well.

- 67.5.2 2000 Annual Meeting Preparations.
Jon Lea reported that preparations are underway to hold the 2000 annual meeting at Port Angeles, Washington. The conference will be at the Doubletree Hotel, rates are within the Government per diem. The theme for the conference will be "Extremes". Technical Tours will include Hurricane Ridge in Olympic National Park and may be combine with a tour of Elwah Dam on the Elwah River. The conference will be held from April 17 through April 20. Easter will fall on Sunday, April 23, 2000; therefore some may wish to combine the conference with a spring vacation for the family. Tentative plans for the spouse's tour include a ferry trip to Victoria, BC, and maybe a trip to the tulip festival and Bush Gardens.

- 67.5.3 2001 Annual Meeting Preparations
Bob Jairell reported the 2001 Western Snow Conference may be held in either Sun Valley or Coeur d'Alene Idaho. More definite information will be forthcoming.

- 67.5.4 1998 Annual Meeting - Snowbird, Utah
Randy Julander reported the conference did make money and the bills have been paid.

67.6 Standing Committee Reports

- 67.6.1 Documents
Chuck Troendle announced that the program and agenda for this meeting are here. He was pleased to report Kelly Elder will be assisting with the proceeding publication this year, also beginning this year all papers are required to be submitted electronically as well as hard copy.

- 67.6.2 Wilderness
Frank Gehrke reported California has a blanket permit for wilderness snow sensors which expires in 1999 but will be renewed. A part of this permit requires completion of a correlation study. There is a Western Snow Conference position paper on wilderness issues which may require revisiting if it is eventually distributed. Frank Gehrke's report.

67.6.3 Awards

67.6.3.1 Church Award

The winner of the best student paper in 1998, was awarded the Church award and the \$250.00 stipend. It was also approved at the 1998 WSC to award a plaque along with the stipend. This has been done. Jack Hannaford showed everyone the plaque. There was discussion concerning whether or not the best student paper would always receive the Church award. Also discussion concerning whom should present the paper in order for it to be considered for "Best Student Paper Presentation."

Motion 3

Moved by Randy Julander that the best student paper
would always receive the Church award.
Jack Hannaford moved that the wording be
changed to the *presenter* of the best student paper.
Randy Julander moved that the previous motion
be amended to read that the presenter and co-author
of the best student paper receive the Church award
which includes a stipend of \$250.00 to be withdrawn
from the Western Snow Conference treasury.
Stepp Steppuhn seconded the motion
..... Motion Carried

67.6.3.2 Art Crook Award

It was discussed that funds for the Art Crook Award, as moved and carried in 1998, would continue to be transferred into the Western Snow Conference tax exempt account with the Western Snow Conference tax identification number and administered by Brian Crook, and used for educational purposes. No motion was needed.

67.6.3.3 Best Paper and Best Poster Award

It was reiterated that it is the responsibility of the host area committee to select the best oral and poster presentations, as well as the best student paper. The host area committee must submit to the Editor and the Awards Chair the names and addresses of those selected. No motion was needed.

It is also the responsibility of the host area committee to make everyone aware that a disk and hard copy need to be submitted at the meeting in order to win a best paper/poster award.

67.6.3.4 El Farsante Award

Discussion concerned having the Area Chairs look at the award and decide how it is to be awarded. The award should be given after the Committee has followed the rationale for which the El Farsante Award was designed for in the first place. Discussion also stressed that all of the candidates be carefully considered. No motion was needed.

67.7 Other Business

67.7.1 Bulk Mail

Frank Gehrke and Bruce McGurk reported they have never received any items from bulk mailings. Jim Marron currently handles the bulk mail. The decision on bulk mail was left open until further information is available. No motion was needed.

67.7.2 Membership Lists

Distribute membership list to everyone to check how current/active it is, and ask members to submit any known changes. Distribute rooster of all people attending conference, including address, phone number, and e-mail address.

Motion 4

Moved by Peter L. Palmer to distribute a rooster of everyone attending conference, including address, phone number, and e-mail address prior to the conclusion of the conference.
Bruce McGurk seconded the motion.

..... Motion Carried

67.7.3 Treasury Audit

Bob Swanson stated there cannot be an audit of past years. We can have an audit for next year. General consensus concluded we could not reconstruct what has been spent in the past nor where it was spent. For the time being the audit is tabled. No motion was needed.

67.7.4 Constitutional Changes

There are no Constitutional changes.

67.7.5 Signing Authority

Should an assistant secretary/treasurer in training be considered, in order to have another signing authority on account. Also should consideration be given to having General Chairman and General Chairman Elect have signing authority on account. No motion was needed.

67.7.6 Credit Cards --- Canadian Dollars

A discussion was held regarding the problem of accepting, and making payment, in either Canadian or U.S. funds and the ability to accept payment via credit card. Bob Swanson will look into the possibility of opening a Canadian bank account to facilitate receipt and payment of funds. Jim Marron is working with the Credit Union in Portland to evaluate the possibility of receiving payments via credit cards, as well as using a WSC credit card to make payments. Some form of line-of-credit would be needed if we chose to accept payment by credit card, because of lag between when money is received and payments are due.

67.7.7 Western Snow Conference

No one can find the WSC on the internet. Mark Williams "snobear" access might have a blocker.

67.7.8 Snowshoe Thompson Stamp

No discussion

67.7.9 Off-Site Fees

There was a lengthy discussion on off-site fees associated with meeting registration. At the 1999 WSC meeting the fee was charged to those not staying at the Embassy Suites, and was intended to compensate for meeting costs. The discussion took two paths. First was the concern associated with charging students the fee because it would create a financial burden that might keep them from registering and attending the meeting.

Motion 5

Moved by Rick Kattleman and seconded by Bruce McGurk to
wave the off-site fee for students

..... Motion Carried

A more lengthy discussion occurred regarding the way in which we contract hotels and how the meeting rooms, etc. are paid for. In the past, we have committed to fill a specific number of rooms, in turn, we are provided with the meeting rooms. It was suggested that in the future, we negotiate for the best room rate, regardless of occupancy, and then negotiate for the meeting rooms. In this way, each registrant is free to say where they choose and the cost of the meeting rooms can be included in the WSC registration fee. No motion was made, but future conference committees are encouraged to look at all options for contracting both sleeping and meeting rooms.

67.7.10 Retirees:

There were two new retirees this year: Bob Richards, past General Chair, from British Columbia Environment and Water Management, Victoria, BC, Canada and Keith Cooley from USDA Agriculture Research Service, Northwest Watershed Research Center, Boise, Idaho.

67.8 Adjournment

The meeting adjourned at 4:45 p.m.

MINUTES OF THE 1999 GENERAL BUSINESS MEETING

WESTERN SNOW CONFERENCE

SOUTH LAKE TAHOE, CALIFORNIA

APRIL 19, 1999

67.1 Welcome to the Conference

General Chair, Chuck Troendle, called the General Business Meeting to order at 5:00 p.m. April 19, 1999, and welcomed the assembly to the 1999 Western Snow Conference.

The General Chair thanked Bob Swanson for of his efforts in registering all 109 of the attendees and getting their individual information in the database. The General Chair also thanked Bruce McGurk and his Committee for their work in putting together the 1999 Conference.

67.2 Approval of Minutes for the 1998 Annual General Business Meeting

Motion 1

Moved by Jon Lea and seconded by Randy Julander to accept the minutes of the 1998 meeting as printed in the 1998 proceedings.

..... Motion Carried

67.3 Secretary's Report -- Bob Swanson

- Database
 - Membership lists from Jim Marron in PFS format and Jack Pardce in EXCEL format were obtained. These were transferred to Microsoft Access. In addition, a Quattro database of all attendees at the Western Snow Conference annual meetings since 1980 was obtained from Keith Cooley. All of these have been linked together to form a single comprehensive database for the WSC membership.
 - Bob Swanson has arranged the data so that both a home and a work/agency address can be entered. Either can be used for correspondence or invoicing, as the member desires.
 - Bob has e-mail address for most of those attending this year's conference or who have sent in their annual dues. He has also provided space in the database for an alternate email address for those who have more than one.
 - Bob hopes to get verification during registration of current home and work addresses, agency e-mail addresses, the year the member joined WSC, where correspondence should be sent, badge name, and spouse's name.
- Reporting - The data in the membership database can be reported in almost any fashion. Bob currently has preset reports as follows:
 - Listing of all current registrants and their conference choices, i.e., banquet, tour, etc.
 - A set of mailing labels for all members for whom we have either a home or work address and who have attended at least one annual conference in the past 10 years.

67.4 Treasurer's Report

- Current Balance
 - All funds from the several accounts that existed last year have been transferred to once account with the Natural Resources Credit Union in Portland, Oregon. Our current balance is \$10,763 (before any expenses for this conference are paid). Bob will provide an up-to-date balance sheet for inclusion in the proceedings after the expenses related to this conference have been paid.
- Current receipts for this conference (include some that will be paid at the registration desk this evening, i.e., Bob has received their registration form, but their checks did not arrive in Canmore before he left on 14 April. Also for vendors, a \$25 of the vendor fee was apportioned to member dues so that they would be sure to receive the proceedings, which are included in their fee).

• Registration	\$3,750
• Banquet	\$1,575
• Tour	\$ 580
• Off-site fees	\$ 475
• Vendors	\$2,310
• Total	\$8,690

67.5 Annual Meeting Reports

67.5.1 1999 Annual Meeting - South Lake Tahoe, California:

Bruce McGurk reported the meeting was running well.

67.5.2 2000 Annual Meeting Preparations:

Jon Lea reported that preparations are underway to hold the 2000 annual meeting at Port Angeles, Washington. The conference will be at the Doubletree Hotel, rates are within the Government per diem. The theme for the conference will be "Extremes". Technical Tours will include Hurricane Ridge in Olympic National Park and may be combine with a tour of Elwah Dam on the Elwah River. The conference will be held from April 17 through April 20. Easter will all on Sunday, April 23, 2000; therefore some may wish to combine the conference with a spring vacation for the family. Tentative plans for the spouse's tour include a ferry trip to Victoria, BC, and maybe a trip to the tulip festival and Bush Gardens.

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Bob Jairell reported the 2001 Western Snow Conference may be held in either Sun Valley or Coeur d'Alene Idaho. More definite information will be forthcoming.

67.5.4 1998 Annual Meeting – Snowbird, Utah

Randy Julander reported the conference did make money and the bills have been paid.

67.6 Standing Committee Reports

67.6.1 Documents

Chuck Troendle announced that the program and agenda for this meeting are here. He was pleased to report Kelly Elder will be assisting with the proceeding publication this year, also beginning this year all papers are required to be submitted electronically as well as hard copy. This year every effort will be made to have the proceedings out by October 1, 1999.

67.6.2 Wilderness

Frank Gehrke reported there has been no change in policy in the past year. The main point is that California has a blanket permit for wilderness snow sensors which expires in 1999 but it will be renewed.

67.6.3 Awards

We will hand out the awards at the banquet, we can also consider any discussion of awards at that time.

67.7 Other Business

There were two new retirees this year: Bob Richards, past General Chair, from British Columbia Environment and Water Management, Victoria, BC, Canada and Keith Cooley from USDA Agriculture Research Service, Northwest Watershed Research Center, Boise, Idaho.

67.8 Adjournment

Motion 2

Moved by Jon Lea and seconded by Randy Julander to
adjourn the 1999 General Business Meeting.

..... Motion Carried

Meeting adjourned at 5:35 p.m.

WESTERN SNOW CONFERENCE 1999 ANNUAL CONFERENCE ATTENDANCE LIST

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 Palmer, Peter L.
 Pattee, Scott
 Pattison, Ed
 Patton, Tom
 Postlethwait, Lori
 Preble, Duane
 Preszler, Michael J.
 Pugner, Paul
 Richards, R. P.
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 Rowe, Timothy G.
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 Sayers, Tod
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 Young, Robert

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 So. Calif Edison, Hydro
 Bureau of Reclamation
 National Weather Service
 George Washington Univ
 Campbell Scientific Inc.
 University of Nevada, Reno
 Nevada Irrigation District
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 US Bureau of Reclamation
 USDA Natural Resources Conservation Service
 Modesto Irrigation District
 US Army Corp of Engineers
 Bureau of Reclamation
 Vitel Inc.
 Broccoli and Associates
 Chief, Water Management US Army Corps of Engineers

California DWR
 Environment Canada
 US Geological Survey
 Northern Arizona University
 Northern Arizona University
 Carpenter Machine Works
 Southern California Edison Co.
 High Sierra Electronics
 Denver Water Department
 East Bay Municipal Util. Dist.
 California Cooperative Snow Surveys
 Agr. CA, Semi-arid Prairie Agricultural Centre
 University of Washington

Water District #1
 RH Swanson & Associates
 Meteor Communications Corp.
 USDA Forest Service
 Hetch Hetchy Water and Power
 USGS, Water Resources Division
 U.S. District Court Water Master's Office
 University of Alaska
 US Army Corps of Engineers
 Tahoe Regional Planning Agency
 Province of BC, Ministry of Env., Lands, and Parks
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September 16, 1999

Western Snow Conference Profit and Loss January 1 through September 16, 1999

	Jan 1 - Sep 16, '99
Income	
1999 Income	
WscTies	105.00
1999 Dues	2,635.00
Corporate Sales	1,374.12
Registrations, etc	8,291.00
Vendor fee	2,595.00
	<hr/>
Total 1999 Income	15,000.12
Share Deposits	
Dividends	47.93
	<hr/>
Total Share Deposits	47.93
	<hr/>
Total Income	15,048.05
Expense	
1999 Annual Meeting	
Brochure	389.00
Off-Site Penalty	569.21
Registration Supplies	124.94
Mailing	78.19
Vendor Display	825.83
Refreshment Breaks	1,295.61
Spouse's Program	260.38
JE Church Award	735.41
Banquet	2,449.47
Hospitality hour	360.34
Rooms	
Gen. Ch, Sec, Treas	1,020.61
	<hr/>
Total Rooms	1,020.61
Spouses' Program	92.90
Tour	689.92
	<hr/>
Total 1999 Annual Meeting	8,891.81
Bank Charge	15.00
Office	
Canadian Postage	39.24
Canadian Supplies	14.53
Metropolitan Presort	200.00
Postage	
Box Rental	44.00
Postage - Other	272.68
	<hr/>
Total Postage	316.68
	<hr/>
Total Office	570.45
Proceedings	
Mailing	450.00
Storage	660.00
	<hr/>
Total Proceedings	1,110.00
	<hr/>
Total Expense	10,587.26
	<hr/>
Net Income	4,460.79
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