BAY AREA GARDEN RAILWAY SOCIETY EST. 1988

Trellis & Trestle

Volume XI, Number 1 Editors: Joseph & Irene Zajac January 1998

Santa Kisses 1997 BAGRS Member Goodbye!
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NEW MEMBERS

Carl, Sr. & Ruth Becker
967 Wood Duck Avenue
Santa Clara CA 95051-4510
Home: (408) 241-4885

George & Margaret Carlson
20137 21st Ave NW
Shoreline WA 98177-2311
Home: (206) 546-1956

John Coker
723 Chateau Drive
Hillsborough CA 94010
Home: (650) 685-1890
Work: (650) 225-5610
FAX: (650) 685-1893
E-mail: john@jcsw.com

Matt Cunningham & Arleen Watkinson
383 Durant Way
Mill Valley CA 94941
Home: (415) 383-1719

Robert Dewing
480 Nottingham Way
Campbell CA 95008
Home: (408) 377-7519

Paul & Marsha Encoyand
60 East 40th Ave Suite C
San Mateo CA 94403
Home: (650) 349-3274
Work: (650) 780-7792
Fax: (650) 780-4323

Bill & Judy Freeman
34 Corrilla Drive
San Rafael CA 94903
Home: (415) 479-0860

Lawrence & Gayle Lund
PO Box 369
Pleasanton CA 94566
Home: (510) 846-8240
E-mail: larrylund.@wolrdnet.att.net

Jerry & Lucky McGowan
1163 Fernandez
Pacifica CA 94044
Home: (650) 359-5496

Glenn & Kathleen Miller
6722 Lookout Bend
San Jose CA 95120-4649
Home: (408) 268-4380
FAX: (408) 997-7674

Robert Rickett
9 Edgewood Road
Orinda CA 94563-3902
Home: (510) 376-6610
Work; (415) 973-6667
FAX: (415) 973-8083

Jim Rothenberger
470 Obsidian Way
Clayton CA 94517-2013
Home: (510) 672-9933

NEW MEMBERS

Jonathan Seder
270 Fulton Street
Palo Alto CA 94301-1321
Home: (650) 322-3736

Brian Thurgate
1363 Arleen Avenue
Sunnyvale CA 94087
Home: (408) 739-7525

Nick & Sue Topolos
617 Armida Drive
Petaluma CA 94954-3709
Home: (707) 763-8238
E-mail: odyssey@sonic.net

Tom Waterfall
405 Palomar Drive
Redwood City CA 94062
Home: (650) 364-8822

Marilynn & Jay Winship
1066 Miller Avenue
Berkeley CA 94708
Home: (510) 525-2518

••• ADDRESS CHANGE •••

David & Kate Burton
18 Ralston Road
Atherton CA 94027
Home: (415) 568-1886
Work: (408) 885-5395
FAX: (408) 885-3749

Gerald & Lucy Carter
808 Amber Lane
Los Altos CA 94024
Home: (650) 917-9687
Work: (650) 325-6303
FAX: (650) 917-9894
carterl@concentric.net

Harry & Shirley DeVoto
84-250 Indio Spring Dr., #145
Indio CA 92203
Home: (760) 775-1960
FAX: (760) 775-1960
haryshirly@aol.com

Lynette & Walter Eng
Walter Frank & Wyatt Eng
1873 Grant Park Lane
Los Altos CA 94024-6908
Home: (408) 247-3526

Thierry P. Stanich & Suguna Sivanasen
68 N. Willard
San Jose CA 95126
Home: (408) 287-3704
Work: (408) 894-6222

••• PHONE CHGS/CORRECTION •••

Norman & Barbara Delucchi
Home: (510) 454-9566
E-mail: norm.delucchi@sv.sc.philips.com

Joseph & Judy Field
Home & FAX: (408) 354-8689

BAGRS Short Line Schedule—1998

Feb 14 & 15
GATS
@ Cow Palace

Jun 13 & 14
GATS
@ San Mateo Fairgrounds

Jul 8—12
14th National Garden Railway Convention
@ Santa Clara

Nov 28 & 29
GATS
@ Pleasanton Fairgrounds

Dec 5 & 6
Greenberg's
@ San Mateo Fairgrounds

GATS—Great American Train Show

If you haven't paid your BAGRS 1998 membership dues, do so now by using the enclosed Renewal form.

Attention all BAGRS members!
Wear your BAGRS badge!
While attending BAGRS
Meetings
Open Houses
Short Line Events
Live Steamer Events
Your Badge—Identifies You
To your Host
&
To Other BAGRS Members

BAGRS—December 2, 1997—Board Meeting

by David Gill, Secretary

Meeting called to order at 7:05 PM. Board members present were Charlie Allen, David Gill, Bonnie McGhee, Ken Martin, Al McCracken, Jack Verducci, and Sherman Zell. There were 23 other club members present. Minutes of the previous meeting were read and approved.

Treasurers report—Sherman Zell reported the current balance is $6,706. We will end the year with about $1,000 more than last year, when you add back in the loan to the convention.

Module report—Bruce Jahn reviewed the income and expense report for the module group for 1997.

Membership report—We have 454 current memberships.

Annual meeting—Ken Martin has setup the annual meeting for March 29th at the Colombo Hall in Oakland. Business meeting will be at 10 AM. Lunch at 11:30 AM. There will be a steam ride at Tildon Park along with the Golden Gate live steamers being open. The nominating committee will be chaired by Charlie Allen.

Newsletter—Newsletter will be going monthly. There was much discussion about the mailing and content of the newsletter. The Board passed a motion to: 1. Mail the newsletter first class with a 1 oz. weight limit as to arrive in a timely manner. 2. The activities of all BAGRS groups are to be on the schedule as far in advance as possible. 3. Report on club members news and activities. 4. Articles written by club members have priority over other articles. There was some discussion about helping to upgrade the Zajac's computer.

Dues—Al and Dave will help in mailing out a special dues mailing. It will be in the form of a bill sent out in early November.

New Business—Bruce Jahn found a box of old papers from the start of the club, he gave them to the club historian.

Old Business—None

Convention Report—We now have our sales tax permit. Commercial registration is on track. LGB took one booth, Bachmann, USA and Aristro-Craft took several booths. Have a lot of commercial registrations coming in. Credit card machine is now working. We are starting to get general registrations coming in now. Registration package is now on the Internet. There was discussion about putting the registration package in other club's newsletters. Ray Turner is working on the barbecue. Jack Verducci reported he has over 100 layouts on tour, and also has layouts for the day before and the day after the convention. Jack has three people working on confirming all the layout information for the tour book.

Model contest—Don Breitbarth reviewed the contest categories for discussion. Pete Pearson is working on getting his crew together. Charlie Allen will have about two dozen clinics set up. He is also contacting small manufacturers about giving clinics. Bruce Jahn will be doing tour maps. Convention car will be a passenger car 3080. David Towle will be doing the public days. Bonnie McGhee is handing advertising. Sherman reviewed the list of people who are to help her.

There will be a special convention meeting at Ken Martin's house January 10th for key convention people and the board members.

Motion to adjourn at 8:30 PM.

From the President

by Jack Verducci

1998 is here! This is a big year for BAGRS. This is our tenth year anniversary. I am please to report our club is as strong now as it has ever been. I would like to take this time to thank all the people who have made the club go, grow and succeed.

- Our success is the result of teamwork. We have a great team. The Bay Area Garden Railway Society has well over 150 quality garden railroads, with 463 family memberships.

- Over the years we have added member services such as the video tape lending library, the BAGRS baggage car (club store).

- We have established an annual swap meet, an annual meeting and mini-convention, and monthly open houses.

- We have a great monthly newsletter to tie us all together.

- BAGRS has a module railroad that is second to none, the BAGRS Short Line.

- We have special interest clinics and special interest groups such as the Live Steamers.

This year we look forward to hosting the National Garden Railway Convention for our third time. BAGRS is not only one of the largest garden railway societies in the country but also certainly one of the most active.

Happy Anniversary BAGRS! Keep up the good work.

1998 Anmnual Meeting—Something Different This Year

by Ken Martin

Since we are hosting the 14th National Garden Railway Convention this year, we will not be putting on the elaborate Annual Meeting we have all enjoyed for the past few years. Our bylaws require us to hold the business meeting portion of the event, but we will forego the vendors, banquet, and modular layout activites because these will be a part of the convention in July.

This year's BAGRS Annual Meeting will be held on Sunday, March 29 and will consist of the business meeting and election, lunch, and a visit to the Tilden Park steam train ride and the Golden Gate Live Steamers. This will be our only event for the month of March. There will be no open houses.

The meeting will be at 10:00 AM at the Colombo Club in Oakland and will be followed by lunch there. The BAGRS Host appreciation plaques will be awarded during the meeting. We will also have our usual drawing for door prizes to help pay for the hall. In the afternoon, we will depart for Tilden Park and the activities there.

Lunch is optional and will be good, old fashioned Italian fare consisting of salad, pasta, and dessert, all served all-you-can-eat family style. The price for this great lunch is only $14 per person. The bar will be open so you can purchase the beverage of your choice.

Because the hall will be set up specifically to accommodate us, we have to give them a head count, both for lunch and total attendance. In order to do this, we ask you to send in the Registration Form found in this issue whether you are going to have lunch or not. Please send it to:

Ken Martin
1460 Pacific Ave.
San Leandro, CA 94577

If you are going to have lunch, enclose a check for the proper amount made out to BAGRS. The Registration Form must reach me by March 15, so don't delay if you want to join us on this fun day!

Directions and details will be in the February issue of *Trellis & Trestle*.

Santa Kisses 1997 BAGRS Member Goodbye !

by Irene Zajac, Membership chairperson

TIME TO RENEW!
GOODBYE 1997—HELLO 1998

Check your address label on your newsletter.
If your address label shows (97),
Your BAGRS membership has EXPIRED.

You membership must be current in order to attend the Annual Meeting, vote in the election of officers, participate in BAGRS open houses, Short Line, BAGRS Live Steamers and other BAGRS activities. Don't miss a single event.

Renew by using the enclosed Renewal for '98 form.

and now for the real story...

Santa's Goodbye Kiss!

by Mick & Kathryn Limprecht

The picture was taken at the main station of Planter Flats on the Orkney Pass Railroad in Santa Clara, California.

The station is made by POLA. The platform is a styrofoam base melted and painted to look like stone with Popsicle stick planking. The engine is a slightly modified Big Hauler Plus.

The smoke for the big Hauler is created with feathers and cotton supported with this white wire and back lit with small flashlights.

Mr. and Mrs. Claus is a Christmas ornament I found which fit the scale. The snow is baking soda. (Did you know that stuff turns the brass rail a blue/green color, if you leave it on?)

The picture was shot with a Cannon SLR using 1000ASA film. A wide open f-stop. The shutter was open for 30 seconds. Reflective back lighting was used to help with details.

This was our first attempt at this type of photography. We just went out shot a roll using different angles and light.

14th National Garden Railway Convention & Trade Show
July 7-12, 1998
Santa Clara Convention Center: Santa Clara, California

* Aristo-Craft / Hartland Sponsored Barbecue & Train Ride
* Bachmann Industries Sponsored Banquet and Video Spectacular
* LGB Sponsored Ice Cream Dessert Function and Light Rail Tour
* USA Trains Sponsored Sunday Brunch and Social
* Live Steam Module Group by BAGRS Live Steamers
* 3600 Square Foot Module Layout by BAGRS Short Line
* Garden Railway Tours of over 100 Homes
* Clinics Featuring the Latest Topics
* Exhibitor Hall with Over 50,000 Square Feet of Space
* Model Contests in Many Categories
* Children's Events and Activities Room

14th National Garden Railway Convention
1777 Hamilton Ave., Suite 106
San Jose, California 95125
E-Mail: train@bagrs.org
Web Page: http://www.bagrs.org/ngrc.htm
Tel: (408) 978-1950 Fax: (408) 978-7160

General Registration
David Gill, Jr.
Tel: (408) 371-8124
Fax: (408) 371-8124

Commercial Registration
Hans Coufal
Tel: (408) 268-5568
Fax: (408) 268-5568

Convention Chairperson
Sherman Zell
Tel: (408) 997-1992
Fax: (408) 997-2164

Sponsored by the Bay Area Garden Railway Society

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Sponsored by the Bay Area Garden Railway Society

Convention Highlights

The 14th NGRC is scheduled for July 7-12, 1998, using the Santa Clara Convention Center as the headquarters. The Bay Area Garden Railway Society will have more than 100 layouts open for tour. The majority of these layouts were not open for the 1993 convention. With all the special programs and events being planned, the 14th Annual NGRC will be something to remember.

LGB Ice Cream Social

This Wednesday event is open to all conventioneers. The sponsor, LGB, has planned a special program using the local Light Rail System, including a tour of their facilities and will have numerous door prizes to give away.

Aristo-Craft/Hartland Barbecue and Train Ride

Sponsored by Aristo-Craft Trains and Hartland Locomotive Works on Friday evening, the barbecue will be at Oak Meadow Park in Los Gatos, home of the Billy Jones Wildcat Railroad. This 15-inch gauge railroad can carry up to 75 people per trip over its mile of track. Unlimited rides will be available. The barbecue will feature chicken, hamburgers and hot dogs with all the fixin's. Aristo-Craft and Hartland have generously made available numerous door prizes. A drawing for over 15 engines and 40 cars will be held at the function.

Bachmann Banquet and Video Spectacular

Taking place on Saturday night, Bachmann Industries will sponsor this event. Bachmann Industries will give a special car FREE to the first 400 registrations that attend the event and will have a special drawing for their new Shay engine.

USA Trains Buffet Breakfast

Rise on Sunday morning to a special buffet breakfast hosted by USA Trains. The breakfast will feature numerous special door prizes by USA Trains.

Garden Railway Tours

Northern California's mild climate make it an ideal area for garden railroading. The wide variety of garden styles range from "desert Southwest" to "Great Northern woods" to "fine scale" and "fantasy themes". There is something for everyone. Over 100 layouts are planned to be open for viewing. A tour book containing descriptions, and a map to each layout will be provided. Drive your auto or use the chartered bus to the layouts. Cost of the bus tours is in addition to the basic registration fee.

Door Prizes

Door prizes will be provided by hobby manufacturers and dealers. Each registration is automatically entered in the convention drawings.

Convention Car

No conventioneer should go home without one. Details will be forthcoming.

Exhibit Hall

The hall has over 50,000 square feet of space to house the dealer merchandise, manufacturers displays, and the module layouts. You will find the latest garden railway products and ideas as well as great buys.

Model Contest

Bring your favorite model or project for the model contest and show. Models will be judged by popular vote of the conventioneers. There will be several categories and 1st, 2nd and 3rd place will be awarded in each

WELCOME TO THE 14TH NATIONAL GARDEN RAILWAY CONVENTION

Please use this form to register for the convention.

NAME:_____ Telephone:_____

ADDRESS:_____ E-Mail:_____

CITY:_____ STATE:_____ZIP:_____ Club Affiliation:_____

Print names as you want them to appear on badges:

_____

		Unit Cost	Number	Subtotal
Family Registration (2 Adults & Children under 18)	Prior to June 1, 1998	$75/Family	_____	_____
	After June 1, 1998	$90/Family	_____	_____
Individual Registration	Prior to June 1, 1998	$60/Individual	_____	_____
	After June 1, 1998	$75/Individual	_____	_____
Daily Registration-Family Check Day(s) __Thu. __Fri. __Sat. __Sun.		$50/Family	_____	_____
Daily Registration-Individual Check Day(s) __Thu. __Fri. __Sat. __Sun.		$40/Individual	_____	_____
Friday: Barbecue and Train Ride* **Sponsored by Aristo-Craft & Hartland**		$25/Individual $10/Child<12	_____ _____	_____ _____
Saturday: Banquet and Video Spectacular* **Sponsored by Bachmann Industries**		$40/Individual	_____	_____
Sunday:Brunch and Social* **Sponsored by USA Trains**		$15/Individual	_____	_____
Garden Railway Tour Buses				
Wednesday	Area A	$20/Individual	_____	_____
Thursday	Area B	$20/Individual	_____	_____
Friday	Area C	$20/Individual	_____	_____
Saturday	Area D	$20/Individual	_____	_____

*Register early, limited availability.

TOTAL ----------> _____

Make checks payable to 14th NGRC. Return payment and registration form to:
14th NGRC, 1777 Hamilton Avenue Suite 106, San Jose, California, 95125

Payment by Major Credit Card: Visa:__ MC:__ _____-_____-_____-_____ Exp:_____

Signature: _____

For additional information on all events contact the registrars, Dawn & David Gill at 408-371-8124.

category PLUS "Best of Show". Enter as many models as you like. In this contest the "10-foot rule" applies (if your model looks good from 10 feet away, share it and show it.) In addition, LGB, Aristo-Craft, Hartland, Bachmann Industries and Timber Times will sponsor separate special model contests with emphasis on kit-bashing and/or superdetailing one of their products. All entries will automatically be eligible for all contests.

Clinics

Over twenty clinics and demonstrations are planned covering a wide variety of topics from electronics to gardening and everything in between.

BAGRS Live Steamers

Enjoy the live steam layouts on display for all conventioneers. You are invited to bring your live steam locomotive to run. Club members will also be running various live steam engines during the convention. The live steam layout will be available at all times during the convention.

BAGRS Short Line

See over 3,600 square feet of train modules running 4 to 8 trains at a time. This spectacular portable layout will be open whenever the exhibit hall is open.

Children's Room

A room will be set up as a special place for kids ages 3-12 to enjoy trains at their level. There will be many activities, including videos, coloring books, trains, puzzles, board games, books and other fun toys to play with. However, children using this room must be accompanied by a responsible adult at all times.

Accommodations

The Westin Hotel is connected to the Santa Clara Convention Center. The business and convention hotel features two restaurants, two lounges, a fitness center and an outdoor pool. The 14th NGRC special hotel rate of $96 for a single and $106 for a double is available until June 10, 1998. Contact the Westin Hotel directly to make your reservations.

The Westin Hotel - Santa Clara
5101 Great America Parkway
Santa Clara, California 95054
Reservations - 800-228-3000
Local - 408-986-0700
Fax - 408-980-3939

Additional Information

For general convention information, contact the convention registrars:

David and Dawn Gill
14th National Garden Railway Convention
1777 Hamilton Avenue, #106, San Jose, CA 95125
Tel/Fax: 408-371-8124
E-Mail: train@bagrs.org

For other information, contact the convention chairperson, Sherman Zell at 408-978-1950. For commercial registration, Hans Coufal at 408-268-5568.

Tentative
Summary of Convention Events

Tuesday, July 7, 1998
*Layouts Open - Self Guided
*Registration - Westin Hotel

Wednesday, July 8, 1998
*Registration - Westin Hotel
*Layouts Open - Self Guided & Bus Tours
*Clinics
***LGB** Ice Cream Social

Thursday, July 9, 1998
*Registration - Westin Hotel
*Layouts Open - Self Guided & Bus Tours
*Clinics
*Grand Opening of the Exhibit Hall
*BAGRS Live Steamers and Short Line Modules

Friday, July 10, 1998
*Registration - Santa Clara Convention Center
*Layouts Open - Self Guided & Bus Tours
*Clinics
*Exhibit Hall Open
*BAGRS Live Steamers and Short Line Modules
***Aristo-Craft/Hartland** Barbecue and Train Ride.

Saturday, July 11, 1998
*Registration - Santa Clara Convention Center
*Layouts Open - Self Guided & Bus Tours
*Clinics
*Exhibit Hall Open to Public and Conventioneers
*BAGRS Live Steamers and Short Line Modules
***Bachmann Industries** Banquet and Gala
*NGRC Business Meeting

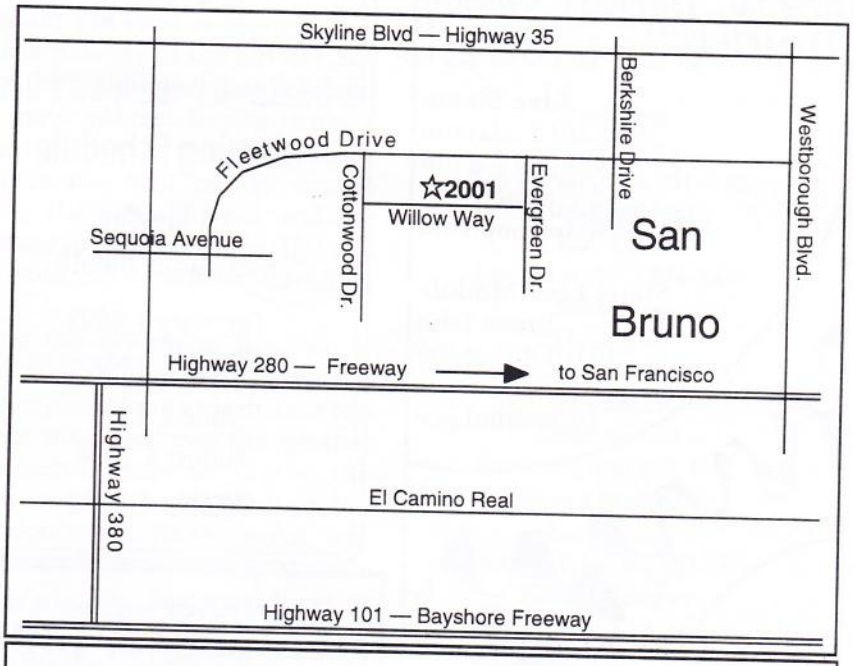
Sunday, July 12, 1998
***USA Trains** - Buffet Breakfast-Awards Program
*Registration - Santa Clara Convention Center
*Layouts Open - Self Guided
*Exhibit Hall Open to Pubic and Conventioneers

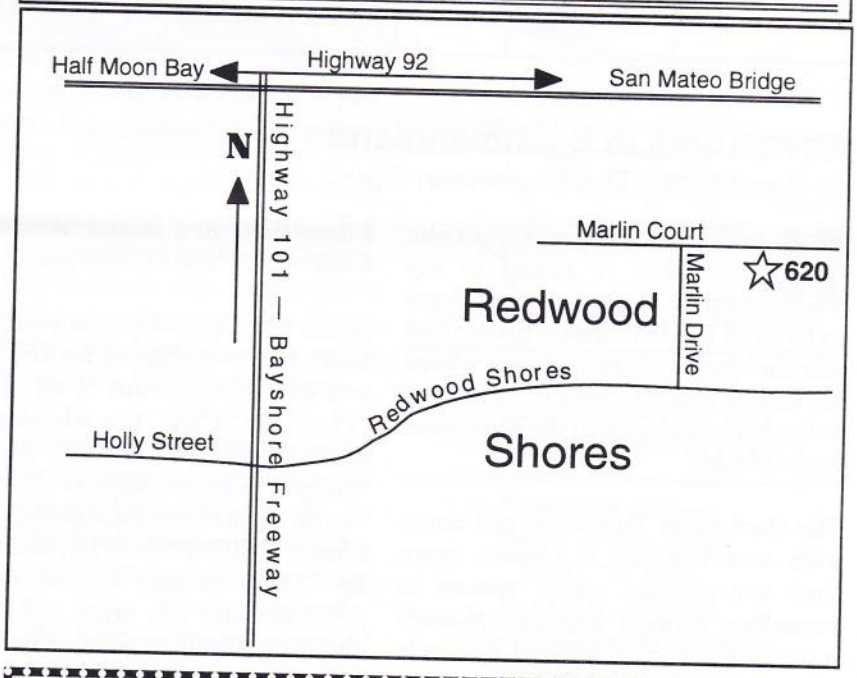
Upcoming Open Houses

by Ken Martin

January 18—**Bob** and **Barbara Hill**, 2001 Willow Way, San Bruno—650•583•0902. The No Prototype Railroad probably is best described by the name. It has 125' of powered track indoors depicting late 19th century railroading. Guest trains are welcome and small ones would be best. Bob invites everyone to look at his backyard and offer suggestions for construction fo a projected outdoor layout. Enter through the garage.

February15—**Rusty** and **Donna Fisher**, 620 Marlin Court, Redwood Shores—650•595•3700. The Gnough Gname Railroad is an eclectic indoor line with 80' of hand laid powered track. Small and very interesting, it showcases Rusty's inimatable skills as a craftsman, not only in "G" scale but "N" scale as well. Many *must see* items are here. Enter through the front door.





Bay Area Garden Railway Society Statement of Income & Expenses Year Ending December 31, 1997

by Sherman Zell, Treasurer

Cash balance—January 1, 1997		8,829.04
Income		
Advertising	35.80	
Annual Meeting	11,050.00	
Baggage Car	1,003.25	
Dues	10,335.00	
Module	1,960.00	
Total		24,384.05
Expenses		
Annual Meeting	8,903.93	
Baggage Car	1,111.14	
Badges	901.08	
Insurance	721.38	
Legal	250.00	
Miscellaneous	525.00	
Module	5,048.05	
Newsletter	7,435.00	
Printing	380.39	
Suppiles	439.52	
Web Site	480.00	
Total		26,195.47
Cash balance, December 31, 1997		7,017.62

Special Interest Group Coordinators

Live Steam
Richard Finlayson
(408) 374-8486
or
richardf@steamup.com

Short Line Module
Bruce Jahn
(510) 455-9409
or
bjahn@llnl.gov

BAGRS Board of Directors Meeting Schedule

1st Tuesday
every other month

February 3, 1998
April 7, 1998
June 2, 1998
August 4, 1998
October 6, 1998

Deadline for next issue is:
February 5, 1998

BAGRS Baggage Car

BAGRS Apparel Source
Items are blue with BAGRS logo in yellow.

T-Shirts	Adult Sizes	(M, L, XL)	$10
		(XXL)	$12
		(XXXL)	$15
	Youth Sizes	(S, M, L)	$6
Caps	(Adjustable)		$6
Golf Shirts w/Pocket		(L,XL,XXL, XXXL)	$20
Sweat Shirts		(L, XL)	$15
		(XXL)	$20
		(XXXL)	$25
Tote Bags		Small 14"	$10
		Large 20"	$15
Coffee Mugs—Blue w/Yellow Logo			$5

To order:

- List the items you wish to purchase (be sure to note sizes).
- Send a check for the total amount plus 20% for shipping to:

Ken Martin
1460 Pacific Avenue
San Leandro, CA 94577
510•562•6898

Adventures in Bachmannland

by Ken Martin, The Bachmann Guy

I am not a sound freak but I like some kind of sound in my engines. It doesn't even have to have all the bells and whistles but just the chuff at least tells me where my loco is and how well it is running and adds something to the illusion of authenticity.

The Bachmann Shay does not come with sound, which is strange since their ten-wheeler sound system is virtually a "drop-in" and, even though it certainly isn't digital sound, it sounds pretty good. I wondered why Bachmann didn't install this unit in the Shay during production. In a recent conversation with Dick Maddox, Bachmann's Senior Vice Presidentm, I asked him why not. He advised me the G-scalers he talked to told him not to put in the tired, old ten-wheeler system but to set the engine up for after-market systems, which is what was done. Sounds like "Invasion of the Finescalers" to me. The ten-wheeler system may be old but it is reliable, inexpensive and easy to install in the Shay (and in other locomotives. I have them in a Lionel "Atlantic", a Delton C-16, and a Bachmann Porter).

If you want to put one in your Shay, there are two sources for the parts: you can take one out of an old pre-"Plus" or "Plus" ten-wheeler (not from the old R/C battery powered engines. They're entirely different.) or you can call the Bachmann service number (800•356•2910) and ask for Irv. There is only limited number available and the price is $10 plus shipping. Bud Reece, Vice President of Sales, tells me they'll take credit cards. (Did you notice how much the sound to this system improved when you found out it only costs $10?)

Installation is easy. Remove the ladder. It just snaps out. Remove the water hatch and unscrew the screw that is way down under it. The tender body will now lift off. Do this with some caution because there are some wires attached to it and the lead weight in the back may drop out. Cut the wires to the light about 1 1/2" above the chassis. We'll get back to them later. Carefully tilt the body and remove the screw which holds the small distribution circuit board to the top of it. The body is now totally free of the loco. Set it aside for now. If the weight is loose, put a drop of glue on the top of each leg to keep it in the body. It will make things easier later during reassembly.

Look at the distribution board. You will see one plug marked "P" for power) with black and red wires. This is the power supply for some other sound systems but you don't need it the Bachmann unit so unplug it, but keep it is case you decide to change your system later on. You will also see a plug marked "C" (for contact) with two yellow wires. These go to the contact switches Bachmann wisely built into the top of each cylinder. These switches are the equivalent to the drum contact on the front driver axle of the ten-wheeler. Unplug these and set them aside.

The chassis already has the mount needed for the 3" speaker (another

good move by the designers) so there is nothing to do here but loosen the four speaker hold downs. Do not put the speaker in yet. Also, do not disconnect the speaker from the board.

Look at the sound circuit board. It might be a good idea at this time to draw yourself a diagram of the board and wires in case you might need it later on. Find the two wires that are designed to connect to the ten-wheeler engine (the ones with the white plug on the end). Unsolder these wires from the board and solder the two yellow wires with the plug in their place.

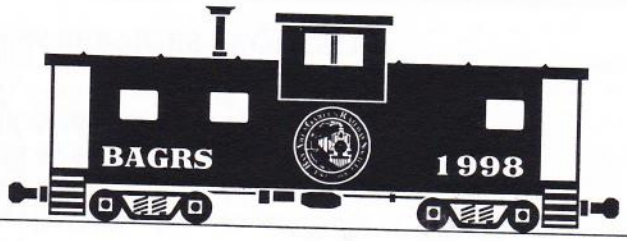
Find the two battery input wires. These may be black and red, brown and white, or brown and black. Whatever colors they are, you can depend on them being wired backward for the color coding, so don't follow them to determine your polarity. The red wire is consistently on minus and the black wire on plus, etc. If you look at the board closely, you will see a small "+" in one corner and a small "G" along the same edge of the board. Solder about 6 inches of wire to each of these points. I recommend red wire to the "+" and black wire to the "G" so you can keep track of the polarity. Now attach a snap-on connector for a 9 volt battery to these wires making sure the polarity is correct. If the polarity is reversed you will not get sound. It won't harm the system so you can correct it if you get it wrong the first time.

The system can now be tested. snap the battery connector on to a 9 volt battery. Put a jumper across the two yellow wires (either at the plug or on the solder points on the board) and you should get sound. If you don't check the polarity of the battery and to see if the yellow wires are soldered to the right places. If you made a diagram earlier, refer to it. There really isn't much else that can be wrong, assuming the sound board and the speaker are in working order. If it still doesn't work, call me at 510•562•6898.

Installing the system in the loco is literally a snap. Start by putting the speaker in place, being careful not top strain the wires between the speaker and the board. Snap the plug on the yellow wires into the "C" jack on the distribution board. At this point, you can either engineer mounts for the two boards or you can just wrap them in foam to protect them and leave them loose. I recommend the latter. Don't try to put the distribution board back into the top of the tender body. It just isn't worth the gymnastics it requires.

So now the sound system is installed, what about the light wires we cut? Put them back together using a Dean's, Molex, or whatever two prong quick disconnect connector you have. If you ever have to go back into this area, you'll be glad you made this modification.

Before reinstalling the tender body, remove the screws holding the dummy coal load and take it off the body. As you put the body back on, feed the battery connector and wires up through the hole. Secure the body, snap on the battery, put a piece of foam under it, put it down through the hole so it rests on the foam on top of the speaker, and set the coal load back in place over the battery. Reinstall the hatch cover and the ladder. And that's it. If you have sound when you run the engine, it is all done, If not, call me.



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Submissions are due by the 5th of the month preceding publication. Any format is acceptable. Line drawings and black/white artwork are not only acceptable but desirable and can be scanned in for inclusion in the newsletter. We reserve the right to edit for clarity and length.

BAGRS Timetable

January 1998	
15-18—Live Steamers	National Small Scale Steamup—Diamondhead, Mississippi
18—Layout Tour	Bob & Barbara Hill—2001 Willow Way, San Bruno—(650) 583-0902
February 1998	
13, 14, 15, & 16—Sn3 Symposium	13th Annual Sn3 Symposium (Narrow Gauge in California)—San Francisco Bay Area For futher information call Bob Walter at 510•893•1717, eve 510•939•6448
14 & 15—BAGRS Short Line	Greate American Train Show—Cow Palace
15—Layout Tour	Rusty & Donna Fisher—620 Marlin Court, Redwood Shores—(650) 595-3700
March 1998	
29—Annual Meeting	BAGRS Annual Meeting 1998—Colombo Club, 5321 Claremont Ave, Oakland
April 1998	
19—Layout Tour	Jose Picazo—115 Harwood Court, Los Gatos—408•356•7300
19—Layout Tour	David & Dawn Gill—5162 Brewster Avenue, San Jose—408•371•7472
June 1998	
13 & 14—Big Train Show	The Big Train Show—Queen Mary—San Diego

••• Layout tour hours are Noon until 4 pm unless otherwise noted•••
Please respect these hours for the benefit of our hosts.
BAGRS Members are welcomed to attend Sacramento Valley Garden Railway Society events. Contact Judy Arrigotti at (916) 933-4663 for directions and times.

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