



The OrderBoard

Newsletter of The Calgary Model Railway Society



Read Scott Kuhn's article about how he built this SD30c-ECO.

Photo by Scott Kuhn

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President's Report

Another SUPERTRAIN show has come and gone, and even though attendance was down from last year, we consider the show to be a great success. Being on the organizing committee gives me a good insight into all the details and hard work that go into putting on such a great show. I would like to thank the other organizing committee members for putting in so much time and energy to make the show such a success. And I would like to sincerely thank all the volunteers who came out to support the show. Without all your hard work there is no way we could put on Canada's biggest and best model railroad show.



President's Report Continued...

I do have a concern about the number of CMRS members who actually volunteer for SUPERTRAIN. We have approximately 350 members in CMRS but only 135 volunteered, the rest of the volunteers were from other groups. That is a rather low participation rate for such an important event. We were forced to use other volunteer sources such as Scouts and Guides to cover the volunteer shortfall. Remember that the SUPERTRAIN show is how the CMRS builds up funds to support the other events we put on throughout the year. We use the income from the show to subsidize railfan events, put on the bi-annual Mini Meets, organize slide night, Toys For Kids program, etc. The annual \$10 CMRS membership fee barely covers a single Mini Meet lunch at the Glenmore Inn so we really need that source of income from SUPERTRAIN to continue our yearly operations. I really hope we can get more CMRS members to come out and volunteer for the 2018 show.

By now you will have seen an announcement on a three day, two night railfan bus trip to British Columbia. Jason Thornhill has put together a great itinerary of rail and non-rail events over the three days. The CMRS board has decided to subsidize this trip to the amount of \$50 per person. As I mentioned above, this subsidy is a direct result of the income the CMRS receives from running the SUPERTRAIN show.

We are still looking for members interested in serving on the CMRS Board of Directors. I can personally attest that it is very interesting and rewarding work and I would highly encourage anyone who has an interest to stand for election. If you are interested or have questions about what it is like to serve on the board, please don't hesitate to contact myself or John Lund.

*Al Matchett,
President, CMRS*

SUPERTRAIN Report

SUPERTRAIN 2017 is already behind us, and the 24th edition of the show has been another success. About 190 volunteers and 400 exhibitors welcomed 10,906 visitors at the show. Our visitors generously donated \$3,695 in cash to the Calgary Food Bank and 620 pounds of food. Nine food trucks were parked outside serving a variety of meals and sweets, for the pleasure of our visitors and exhibitors. The Iron Horse Park train rides, the children's play area, the face painters, and new this year the Henna Tattoo Artist, were again very popular with the kids. We were honored with the presence of Mayor Nenshi visiting the show again this year.

The Genesis Centre has again been much appreciated by our exhibitors and visitors. The Genesis personnel have been very courteous and helpful, and some have not hesitated to step in and help us and our volunteers. The bus shuttle from and to the McKnight-Westwinds C-Train station has been successful, and the extra parking stalls at the new school very appreciated.

Although less attended than the prior years, the Saturday night Gala for our exhibitors and volunteers was again a great success. The Glenmore Inn once more served a fantastic meal. We invited Mark Dance, a well known N-scale modeller from the Vancouver area, as a guest speaker, to present "Relocation of the Klondike Mines Railway". A very interesting story on the challenges of moving a master modeler's layout from Vancouver to a museum in Yukon.

The layouts at the show were amazing. We can't award them all, but I want to take this opportunity to acknowledge the quality of the layouts and the number of hours the exhibitors have spent on them for the pleasure of our visitors. I also want to thank all of you who take the time to entertain and answer our visitor's questions. Congratulations to this year's winners:

People's Choice Award - LaBaja

Scale Winner - Mexicali Grande

Scale Runner Up #1 - LaBaja

Scale Runner Up #2 - Big Trees R. R.

Fun Winner - Calgary LEGO Train Club

Fun Runner Up #1 - Thomas Goes Nowhere

Fun Runner Up #2 - Rocky Mountain Garden Ry



Three junior layouts were also awarded, Tyler Junior Layout, Leonardo Rappazzo, and Seguin HO.

I'd like to thank the exhibitors for their continuing support of SUPERTRAIN. Some are new, and I sure hope you will come back next year. I also want to thank our volunteers, especially the Scouts and Guides, as without you the show wouldn't be possible. And more importantly, I want to thank my Team on the SUPERTRAIN Committee for the thousands of hours they put in to prepare and run the largest and best model train show in Canada.

Save the date! The Genesis Centre is already reserved for next year's show, which will be on April 14-15, 2018. Thank you everyone and see you next year!



*Daniel Charest
Chairman, SUPERTRAIN 2017*



Bill Hitchman is this year's winner of the voucher worth \$1500.00 toward rail travel anywhere in Canada that was generously donated by VIA Rail Canada. The winner's name is chosen from a draw of all the CMRS members who volunteered for a CMRS event in the past year. VIA Rail Canada has been donating this sought after prize for the past several years and we greatly appreciate their continued support.

Monty Schnieder



Heritage Park Tour

Around 26 people showed up for an enjoyable look into the roundhouse at Heritage Park on March 29th. We got to poke around the two locomotives that were being worked on and also had a good look inside the colonist car that is being restored. Heritage Park staff were on hand to answer our questions. Our thanks to Heritage Park and Jason Thornhill for organizing this event.

Editor

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MEMBERSHIPS

Calgary Model Railway Society memberships can be purchased or renewed at any of our events or by mail. Cost is \$10 per year, running from July 1 to June 30. Multi-year memberships are also available. Membership forms can be printed from our website.

Completed forms and payment can be mailed to:

The Calgary Model Railway Society
PO Box 8071, Station A
Calgary, AB T2H 0H7

ADVERTISING

Do you have some Model Railroad related items for sale, or perhaps something rare you want? Consider an ad in the Orderboard. Text ads run twice free of charge for members (provided the ad is relatively small), and a \$15/year charge for business card size commercial ads.

Contact the Editor at orderboard@calgarymodelrailway.ca for details.

Deadline for the next issue is Sept 20, 2017

Board of Directors

Al Matchett - Independent President al.m@shaw.ca	Daniel Charest Independent Vice-President, SUPERTRAIN Chairman daniel@dan-nscaler.com	Jim Ironside - Free-mo Secretary H- 403-254-8116 ironsidejim@gmail.com	Jason Thornhill - Rocky Mountain Garden RR Railfan Events jason@aspencrossing.com
Rick Walker - Independent Treasurer walkr@telusplanet.net	John Lund - Cantrak Membership H - 403-239-1070 jlund@telusplanet.net	Brookes Harrow - CMT Clinics H - 403-201-4937 bharrow@nucleus.com	Rob Badmington - Independent Slide Night, Parks Canada badmington@shaw.ca
Bain Spielman - Independent Layout Tours, Trains for Kids bainspielman@shaw.ca		Brent Ciccone Bow Valley OrderBoard & Communications H- 403-283-0325 orderboard@calgarymodelrailway.ca	

Notice of Annual General Meeting

In accordance with our bylaws, the Calgary Model Railway Society Annual General Meeting will be held on Sunday 15 Oct 2017 at 13:00 at the Glenmore Inn.

The agenda will be:

- Approval of 2016 minutes
- Reports from Directors
- 2017/18 Budget
- Election/ Ratification of Directors
- Other Business
- Business from the Floor

All CMRS Members are invited to attend. A lunch will be provided starting at 12:00.

Jim Ironside
Secretary CMRS




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Canada 150—Trains Trains Trains to Banff (Siding 29)

Pull up to Cave and Basin National Historic Site in Banff this summer for a dose of western Canadian railway history. Launching May long weekend, the Cave and Basin's historic pool deck and surrounding area will be converted into an immersive 1880s railway construction camp, depicting life as it might have been for those who worked so hard to build a transcontinental ribbon of steel, a national dream.

Meet some of the historic characters who played a role in the railway, from CPR President Cornelius Van Horne to Lady Agnes Macdonald who famously rode the train's cowcatcher on her journey west. Chat with railway workers around the cook station, take part in a hobo camp singalong, test your strength at driving a spike, ride a handcar, and much more.

Join us for some special weekend programming...

May 27/28: Model Trains to the Cave

Join train enthusiasts and railway modellers for a weekend of displays at the Cave and Basin, many of which represent trains from the steam era. On Saturday bring the kids for a jaunt aboard CP Puffer Belly Express, 10am to 4pm.

July 7/8 (Friday/Saturday): Iron Horse Park Visits the Cave

Volunteers from the incredible Iron Horse Park (Airdrie) bring portable track and a couple of their 1/8th scale diesel locomotives for visitors to hop aboard for a ride.

July 8/9 (Saturday/Sunday): Calgary LEGO Train Club

Come see some amazing displays of trains, tracks and railway structures, all built with LEGO®.

Many thanks...

We are grateful to the many volunteers who are donating their time and passion to be part of our summer railway theme. We are especially indebted to Rob Badmington and Tom Price from the Calgary Model Railway Society (CMRS) who have worked with us from the early days of dreaming and scheming program ideas, and who graciously connected us to so many groups and individuals within the railway community.

Among other connections, Rob and Tom introduced us to Heritage Park who have generously loaned us their 1910 hand car. Rob and Tom also connected us with a railway track supplier, and along with Mike Westren, organized a team of volunteers who came out to Banff to lay down track for the hand car rides. Mike also arranged for the loan of the necessary track tools from the Friends of Champion Park. Our interpreters and seasonal staff will benefit greatly from the chance to work alongside people who have so much knowledge about trains and railway history!

Big thanks to Jim Ironside from CMRS and Calgary Free-Mo, who has given so liberally of his time and skills in developing the lay-out for our Model Trains weekend of displays. And to the many volunteers who will be joining us that weekend: Calgary Free-Mo, Calgary CanTrak, Dale and Karen Dombrowski, Randy and Bonnie Rodman and other volunteer supporters.

Many thanks also to Ray Verdone and volunteers who will be visiting us from Iron Horse Park; and to Daryl Faulkner and his team from the Calgary LEGO Train Club. And to CP for bringing Puffer Belly Express to the site for a day of family fun rides.

It's going to be a great summer—hope you can stop by!

*Heather Walter and Cam Fisher
Heritage Programs, Parks Canada*





Layout Tours 2018

I know this sounds a little odd but it is never to early to give you modellers a heads up to prepare your layouts for next years' event. The dates for 2018 will be February 24th and 25th. Those who would like to participate can start now to get ready to open your layout to the CMRS membership. Remember your layout can be at any stage of construction, not necessarily finished.

This year's tours were very successful with eight layouts and more than 300 visits. The hosts were pleased with the turnout and found a lot of interest in model railroading and many many questions to be answered. Again I would like to thank the hosts as well as the visitors for another successful year.

*Bain Spielman
Layout Chair, CMRS Board*

Heritage Circle Tour of BC - June 9, 10, 11

CMRS has organized a circle tour of various Heritage sites in BC and Southern Alberta. The tour includes bus transportation, admission to the venues, train rides, and most meals.

The CMRS Board of Directors has decided to subsidize the cost of this tour for CMRS members. For insurance reasons, the tour will be restricted to CMRS members only. It only costs \$10 to become a member and the subsidy is \$50 per person, so you will be making money by joining the CMRS! If spouses, family or friends wish to come on the tour, they will be required to purchase a membership in the CMRS.

The tour is limited to the first 50 people. First ones to make full payment for the tour get a spot on the bus! (Including additional membership fees where required) Deadline is **May 20th** for full payment. If you had previously indicated that you wish to go on this tour, you will need to make payment before we can finalize your booking! Don't delay or you may miss out on this opportunity for a great, low cost trip.

Send cheques, payable to the Calgary Model Railway Society, to:

The Calgary Model Railway Society
PO Box 8071, Station A
Calgary, AB
T2H 0H7

Please include the names of those who are attending and your preference for double/triple etc hotel rooms. Also include the membership forms and fees (\$10 for one year) for any non-members.

See the [poster](#) on the CMRS website for details of the Tour.



Contact either orderboard@calgarymodelrailway.ca or Jason for questions (403)371-8098.

Slide Night 2017

In the January issue of the Orderboard, I posed some questions to the members about future Slide Nights. Thank you to the six members who took the time to respond with their thoughtful answers. Assuming these responses are representative of the rest of the membership, it looks like there won't be too many changes to the traditional format. Even the name "Slide Night" is OK. We will continue to show a mix of old and new, foreign and North American trains, provide some snacks and beverages, and hold it in the same place. The date still has to be finalized, however, it will be on a Friday evening in mid-November.



Now that Spring is upon us and summer travels are upcoming, here is a challenge. How about pointing your camera at something interesting on the railroad. It doesn't even have to be trains. There are bridges, stations, signals, track, work equipment, and people that could make great subjects for a brief presentation. We are not limited to full size trains either. Model railroads are fine too. Take some pictures over the summer, select a few of your best photos, and show them to us at Slide Night. In the meantime, I will be working to line up a couple of feature presentations with some of the talented photographers in our midst. Watch for updates in the next Orderboard!

*Rob Badmington
Slide Night Coordinator*

Building an HO Scale SD30c-Eco

In 2012 Canadian Pacific (CP) started a program to take their existing SD40-2 locomotives and convert them into ECO units. CP's first order was for 20 units numbered 5000-5019. CP sent retired SD40-2 locomotives to EMD/Progress Rail's Mayfield KY plant for the rebuild program. These units were completed by January 2014 and were assigned across CP's network. In January 2015 CP ordered an additional 30 units to be numbered 5020-5049. Again CP sent retired SD40-2 units to EMD/Progress Rail, but this time the units were sent to Mid America in Kansas City, MO for part removal and then were sent to Bombardier in Shagun, Mexico for the complete rebuild. EMD used the frame, trucks and some internal components from the retired SD40-2 locomotives for this rebuild. The cab and fuel tank were built by EMD to meet current crashworthiness standards; this gives the SD30 the "C" designation. The locomotives all received new 12-710G3A prime movers that provide 3000 hp, these new ECO locomotives yield a 15-20% reduction in fuel and put the locomotive in the EPA Tier 0+ standards.

Though these locomotives look very similar in appearance there are quite a few differences between units. All the units have been rebuilt from CP's SD40-2's, that being said some of CP's SD40-2's were acquired from their acquisition of the former SOO Line. These units have sloped American style steps unlike the straight vertical Canadian style steps. Other spotting differences between units are angled blower housings vs straight side blower housings, open top radiator grills or capped topped radiator grills. EMD also made some changes between orders. The initial 20 units had the ditch lights under the anti-climber the second order has them mounted on the deck. The first order has primarily black grab irons while the second order has white. EMD also used a different style brake wheel and applied positive train control antennas on the second order. RR Picture Archives [www.rrpicturearchives](http://www.rrpicturearchives.com) is a great source for pictures of all 50 units.

After deciding to build an SD30c-Eco unit I started doing a lot of research. As mentioned above there are differences between units. I decided to build unit number 5013. I had one older KATO CP Rail snoot nose SD40-2 and a shell from a Mid-production undecorated BNSF KATO unit. These shells would work well for the unit I chose to build. In the picture below you can see different colours of plastic. All the dark grey plastic is the older KATO unit and the light grey is the mid-production unit.

I used the chassis, trucks, cab and nose from the older KATO unit and the long hood and walkways from the mid-production unit. I started by doing all the major cutting first. This included removing the old radiators and replacing them with a DLH flared radiator section. I added Cannon and Co radiator grills and new Cannon and Co dynamic brake and radiator fans. The cab had to be lengthened and new Cannon and Co side windows installed. I used the snoot nose from my older run KATO unit. It had to be cut to length and I added the nose light and escape hatch. These units have hand brake housings build into the rear of the long hood. For this I cut a section out of the long hood and built a new housing from styrene. The last major modification was the cab base/battery box, for this I had to lengthen it and added extra doors. I ended up combining the doors from both KATO units I had on hand to make this the right length.

After doing the major modifications I started working on the smaller modifications/details. I added front and rear ditch lights, MU stands and lift rings. The front snow plow was slightly modified I added a new half circle antenna to the roof and applied new brass grab irons. The roof received new metal lift rings and Miniatures by Eric horn. For the rear of the locomotive I added a small sand filler hatch, custom bent grab irons and made the head light more square.



I removed the old American style walkway steps and added new Miniatures by Eric Canadian style steps. Next I modified all the handrails, for this I used .015 brass wires and bent them to the correct shape. I had to use handrail stanchions from both KATO units to achieve the correct look. Finally I added a new air dryer and electronic bell from Details West.



The chassis needed to be slightly modified so the new hand brake housing would fit and I grounded grooves into the frame for the front and rear ditch light fiber-optics and wiring.

I painted this model with True Line Trains bright red paint and Model Master semi-gloss black and white paint. The decals are from Microscale and the model is sealed with Model Master semi-gloss clear coat.

To complete the model I added clear window glazing from Evergreen styrene, applied silver frames around the windows, and installed window wipers. I installed a Tsunami EMD 710 sound decoder with a sugar cub speaker. I made a space in the new DLH radiator for the sugar cube speaker prior to installing it. All head lights and ditch lights are warm white 0603 SMD LED's.

I have made a more detailed build instruction with pictures and parts list, please feel free to e-mail me and I'll send you a copy, scottkuhn7@gmail.com.



Scott Kuhn

Coming Events Schedule

May 6, 7, 12, 13, 14, 2017	Day Out With Thomas, Heritage Park Historical Village , Calgary
May 19-21, 2017	PNR Meet, 6th Division Annual Meet at the Black Knight Inn, Red Deer, AB Info: www.calgaryedmontonexpress2017.ca
May 27, 28, 2017	Banff Canada 150 Anniversary; Model trains to the Cave
June 6 - 11, 2017	PNR Convention, Spokane Washington
June 9-11, 2017	Heritage Circle Tour of BC, More Info Here
June 16 - 18, 2017	Chilliwack BC Free-mo
June 22 - 24, 2017	Big Valley Canada 150 Anniversary celebration with Alberta Prairie steam train
July 7-8, 2017	Banff Canada 150 Anniversary; Iron Horse Park Visits the Cave
July 8-9, 2017	Banff Canada 150 Anniversary; Calgary LEGO Train Club
August 16-20, 2017	Big Valley Alberta Free-mo
Sept 16-17, 2017	2017 Great Edmonton Model Train Show
Oct 14, 2017	South Bank Boomer Auction
Oct 15, 2017	Fall Mini Meet and AGM - Glenmore Inn

*Send an email to orderboard@calgarymodelrailway.ca with submissions for coming events!
Deadline for the next issue is Sept 20, 2017*