

THE FLATWHEEL

VOL. 27, NO. 2 DIVISION FOUR, MCR, N.M.R.A. INC. EDITOR BEN LANZA JANUARY 1993

There will be a Division Four Meeting on FRIDAY Evening, FEBRUARY 12, 1993 at the Brecksville United Methodist Church, 65 Public Square Brecksville, Ohio

7:30 PM to 11:00 PM

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"AS I SEE IT"

by Aaron Dupont

HAPPY NEW YEAR. Its hard to believe that it is 1993 already!! I hope all of you and your families had fantastic holidays!!

It's election time on the Regional level. Your vote is extremely important! By the time you read this the regional board meeting will be history and the slate of candidates will be set.

Some changes at the regional level are needed. By this I mean we need to cut the politics, get the regional and national business done with the NMRA and (put) its membership's best interests first. Not what the officers feel, but what the membership wants. I am a candidate for Regional President. I also believe that I can represent Division Four and the rest of the region with your best interests first. I am asking for your vote. I am also soliciting your vote for Bruce Brintnall, for Regional Treasurer (incumbant); and Dennis Novak, for

Vice President. If you've never voted before, please vote this time!! We need change and believe I'm the person to do it.

On to another item. This month is the Division Auction. Please restrain yourself in what you bring as we have only one month this year. If your items are not gotten to, then you'll have to take them home. Also remember 10% of the sale goes to the Division.

Keep on Track and VOTE!!!
Aaron "The Rev"

The CLINICIAN PROGRAM SCHEDULE

FEBRUARY: THE AUCTION
MARCH: In March, Ed Woskowicz will conclude his "RAILFAN OHIO" Series with a few tips on Bad Weather Photography. A few more Ohio areas will be covered as examples on where to go for various rail action. He will also discuss how to railfan as modelers. Much of his slide presentation will show these examples as ideas for BETTER MODELING.

DIVISION FOUR MEETING MINUTES January 8, 1993

SUPERINTENDENT Aaron E.

Dupont called the first meeting of 1993 to order at 8:00 p.m. After wishing everyone a Happy New Year he called for a motion to accept the December Meeting Minutes as published in the Flatwheel. Said motion was made, seconded and was approved.

TREASURER David Marvinney reported there was \$1,343.88 in the Checking Account on November 30, 1992 and a Closing Balance of \$815.25 as of December 31, 1992. The Super then called for a motion was made, seconded and was approved.

THE OUTSTANDING Member Award was presented to Ken Orchard for his tireless work during last year's Carnival and for his involvement in helping with Hurricane Relief work in Florida.

CARNIVAL Chairman Mike Oster said he has 1993 fliers available to be taken to train shows. He also said he has sent out dealers' letters to let them know of our new dates.

THE CONVENTION Report was given by Dennis Novak, who said the ads for the NKP box cars had begun to appear in national magazines. He then announced that pre-registration is up to 26 and that prototype tours is coming along. And, the order for 494 t-shirts will be placed shortly.

(continued on page 2)

**DIVISION FOUR
MONTHLY CONTESTS**

THE FOLLOWING ARE THE RESULTS OF THE MODEL AND PHOTO CONTESTS AT THE JANUARY MEETING.

MODEL CONTEST SERIES
Contest #5 - PASSENGER CARS.
There were 12 entries.

1st Place: Joe Bryan, O&P Pullman Coach
2nd Place: (Tie) Dennis Romain, VIA Dome Observation; and Dennis Novak, PRR Class B-60 Baggage Car
3rd Place: Bruce Brintnall, PRR 7781.

Point Standings (1st Five Places)

1st Place: Joe Bryan, 20 Pts.
2nd Place: Dennis Novak, 18 Pts.
3rd Place: John Miller, 17 Pts.
4th Place: Ben Lanza, 16 Pts.
5th Place: Bruce Brintnall, 13 Pts.

Feb. Contest #6 - Off-Line Structures, BONUS CONTEST #7 - Favorite Trains.

March Conest #8 - Passenger Locomotives.

PHOTO CONTEST SERIES
Contest #5 - B&W Prototype Prints. Plus Bonus Contest #6 - B&W Model Prints.

Contest #5 - B&W Prototype Prints. There were 10 entries.

1st Place: (Tie) John Rowe, "Crucibal on a Flat"; Ed Woskowicz "NKP 765"; and Ed Woskowicz, "4070 Streaming".
2nd Place: (Tie) John Rowe, "Industrial Switcher 343"; John Henning, "Steel Mill Activity"; John Miller, "W&LE Under NKP Bridge"; John Miller, "W&LE at Milan Canal"; and Gary Sole, "B&O Covered Hopper".
3rd Place: Gary Sole, "N&W J - 1"

Contest #6 - B&W Model Prints There were 10 entries.

1st Place: Ed Woskowicz, "Switching Coal"
2nd Place: (Tie) Gary Sole, "ATSF

Caboose"; Ed Woskowicz "Overhead View of Diesel" and John Miller, "B&O 2-10-2 at Grand Jct."
3rd Place: Joe Bryan, "Through Pacific"

Point Standings (1st Five Places)

1st Place: John Henning, 30 Pts.
2nd Place: Ed Woskowicz, 23 Pts.
3rd Place: Gary Sole, 21 Pts.
4th Place: John Miller, 19 Pts.
5th Place: Joe Bryan, Harold Mickly, 13 Pts. Each

Feb. Contest #7 - Favorite Train Prototype Slides. Must show Engine and at least One Car.

March Contest #8 - "Ohio Railroad" PROTOTYPE Theme Slides. Plus Bonus Contest #9 - "Ohio Railroad" PROTOTYPE Prints, Color or B&W. Show any aspect of Railroading in Ohio. Special prize for winning entry in both categories. Ties will be broken by Contest Committee.

NEW YORK CENTRAL SYSTEM HISTORICAL SOCIETY RAILROADIANA SHOW & SALE SATURDAY, MARCH 6, 1993 10 AM TO 4 PM GENERAL ADMISSION \$2.00 HOLIDAY INN 780 BETA DRIVE MAYFIELD VILLAGE, OH 44143 FOR MORE INFORMATION CONTACT GERALD A SKULLY 4183 EASTOVER ROAD LYNDBURST, OH 44124 (216) 461-0847 *****

BERNIE'S BARGAINS
WE PURCHASE AND SELL ALL TYPES OF TRAINS!! HO...N...LIONEL...FLYER (216) 779-8187 *****

PASS EXCHANGE
My latest pass exchanges have come a long way from: Stanton & Wayford Railroad Kangaroo Division Stan Michel, President. P.O. Box 93 Concord, N.S.W. Australia, 2137 I receive pass # 856 and from: Delrio and Midland Northern Rua General Eloi Alfaro, 53

04139 Sao Paulo, SP—Brasil Warren B. Delano, Chief Operating Officer I received pas #850 *****

TID-BITS

The longest section of straight track (no curves) is a 297-mile (478-km) track in Australia. The longest mainline railroad tunnel goes through the Alps between Italy and Switzerland. It is more than 13-miles (19-km) long. *****

SPRING LAYOUT TOUR SCHEDULE

April 18 - EAST SIDE
April 25 - NEAR WEST SIDE
May 16 - FAR WEST SIDE
May 23 - QUAD COUNTIES
If you have any questions please contact John Miller at 351-4805 *****

WAITING AT THE STATION

We would like to thank all the Ladies for their help at the Afghan, Doll and placemats. The winners where Leslie Austin, the Afghan; Bill Gorris, the Doll; and Sara Peters, the Placemats.

Our next meeting will be February 12th, two days before Valentines Day.

Guys, how about something Sweet for your Sweetheart? We will have a raffle of Sweet Things!! Tickets will be 5 for a dollar.

Coming events: March-Ideas for Ladies Convention there will be a meeting. June- Picnic Times.

Thanks for your support. The Railets, M.A.T.H & C.S.

DONATIONS NEEDED FOR THE MONTHLY RAFFLE!!

ALL GAUGES - PLEASE SEE RON HESS AT DIV MEETING OR CALL 621-3151

BOARD OF DIRECTORS MEETING WILL BE HELD ON FEBRUARY 5, ST AAEON DUPONTS HOUSE *****

STATEMENT OF ACCUNTS
DECEMBER 1992

CHECKING ACCOUNT
BALANCE - 10/30/92 1,343.88

Receipts
- 494 Convention registration 48.00
- Div. raffle 50.00
- Interest Nov 2.73
- Flatwheel advertisement 5.00 164.73

Funds Available 1,508.61

Disbursements
- Treasurer bonding insurance 270.00
- Christmas party 260.00
- December meeting room 50.00
- HO Modular RR 26.04
- Miscellaneous 6.58
- Postage 5.74

Balance - 12/31/92 615.25

1994 Convention Committee 507.17

OTHER BALANCES

- Cash 20.00
- Postal Account 143.25
- Money Market Cert 3,535.49
- Seven Day Cert 5,646.40

Liabilities

1993 Carnival Fairgrounds 3,650.00

Respectfully submitted,
David Marvinney
January 6, 1993

The SD70M

The second new model from General Motors Locomotive Group is the SD70M.

The first two prototype demonstrators (7000 and 7001) were shipped from the London plant in July, a third was to follow in August.

The SD70M was first announced in mid-1991 and except for the radial trucks is virtually identical in appearance to the SD60, from which it was developed. It is still a DC traction motor locomotive, perhaps the last DC model, with production AC units expected in the not too distant future.

SCANNER LAWS

Carrying a scanner either in your car or outside your

home is illegal in some states and municipalities.

These locations are:

1. New Jersey
2. Kentucky (mobile only)
3. Indiana (mobile and outside home)
4. Florida (mobile)
5. Minnesota (mobile)
6. New York (mobile)
7. Michigan (mobile)
8. Chattanooga, TN (mobile)

Being a licensed amateur radio operator with at least a Technician class license will exempt you from these laws in all but Kentucky and New Jersey. Novice license will suffice in lieu of a Technician class, except in Michigan, where the Technician is required.

It is relative easy to obtain the new No-Code Technician class license. All that needs to be done is to study the booklet and pass a multiple choice, 55 question test in front of a Volunteer Examining Committee (VEC). The cost for the test is normally \$5.25. For further information on the No-Code Technician license write the American Radio Rely League, 225 Main Street, Newington, CT 06111.

Continued from Page 1

Layout Tour, according to John Miller, will be held April 10th for the East Side Region: April 25th for the Near West Side: May 16th for the Far West Side and May 23rd for the Quad-Counties.

RAFFLE CHAIRMAN Ron Hess announced the night's prices. Ed Woskowics announced the contests: and Barbara Michling gave the N-Trak report.

ANNOUNCEMENTS: Dupont presented former editor Al Mallory with a special plaque in recognition for his service in publishing the Flatwheel for many years. Novak reported on a complaint from the church's new custodian who said we left a mess behind after the Christmas party(which, in all probability, was unlikely). The super announced Channel 25 will be showing Tracks Ahead on Saturdays at 9:30 a.m. Do Thomas gave a new products report.

Having no other business, Dupont adjourned the meeting at 8:49 p.m.

RESPECTFULLY SUBMITTED

Joseph J. Bryan
Division Four Secretary

The Section Boss's Daughter

Somehow the sky is bluer
 Than it ever used to be.
 And the golden sunshine brighter than before;
 And although we burst an airhose
 When we're halfway up the hill.
 It doesn't seem to matter any more.
 Somehow it doesn't matter
 If we don't get in on time,
 Somehow the long and heavy grades
 Are easier to climb;
 Somehow life's little troubles
 All have drifted far away —
 Since the section boss's daughter
 Smiled at me the other day.

There's just a little shanty
 Where the old hand-car is kept,
 And near by a cottage close beside the track,
 With the rambling roses climbing
 Round the windows and the doors,
 And a little kitchen garden at the back
 Where the section boss at evening,
 With a trowel, rake and hoe,
 Works among the green things growing
 In each little patch and row.
 And I thought it plain and prosy
 As a section house could be —
 Till the section boss's daughter
 Smiled and threw a kiss to me.

Somehow the run seems shorter
 Than it ever was before,
 The mileposts aren't quite so far apart.
 The hour hand travels faster
 Round the dial of my watch
 Since the section boss's daughter won my heart
 For the gleaming of the lovelight
 In her glances and her smiles
 Lightens all the dreary labors,
 Shortens all the lonely miles.
 And so it will be always
 As we doublehead through life,
 For the section boss's daughter
 Promised she would be my wife.
 —Hugh Owen O'Neil

From Railroad Magazine Nov 1939

BIRTHDAYS FOR JANUARY

Brown	Dennis A.
Gedeon	Carl J.
Gelehrter	David
Holliday	Gary
Kovaks	Daniel J.
Manka	Michael J.
Miller	John T.
Newberry	Martha
Novak Jr	Paul
Oster	Micael A.
Patrick	Edward G.

BELATED BIRTHDAY
 Carl & Mathew Nickoson

Size of Rail Necessary to Carry a Given

Load. — The following formulas may be employed for determining the size of rail and wheel suitable for carrying a given load. Let A = the width of the head of the rail in inches; B = the diameter of the wheel in inches.

Then the width of the tread of the rail in inches is found from the formula:

$$B=C/1250D \quad (1)$$

The head equals
 $B+ 5/8$ inch. The
 Diameter D of the
 smallest wheel that
 will safely carry the
 load is found from
 the formula:

$$D = C/AxK \quad (2)$$

In which K = 600 to

800 for steel Castings; K = 300 to 400 for cast iron.

As an example, assume that the wheel-load in a given case is 10,000 pounds: the diameter of the wheel is 20 inches; and the material steel casting. Determine the size of rail necessary to carry this load. From Formula (1): $B = 10,000 / 1250x20 = 0.4$ inch.

Hence the width of the rail required equals $0.4b+ 5/8$ inch = 1.025 inch. Determine also whether a wheel 20 inches in diameter is large enough to carry the load. From Formula (2): $D = 10,000 / 1.025x600 = 16.25$ inches.

This is the smallest dia. Of track wheel that will carry the load.

NEW NMRA MEMBERS IN DIVISION FOUR AREA

The NMRA Membership Status Report lists the following new NMRA members in the five county geographical borders that make up the Division Four area:

W.A. PACHASA,	CLEVELAND	44133
ROBERT J. BARCKERT,	AMHERST	44001
GILBERT R CERVENY,	CLEVELAND	44111
JAMES DOLNEY,	EUCLID	44132
PHIL S. HENDRIX,	CLEVELAND	44111
ANTHONY L. SMITH,	CLEVELAND	44118
MICHAEL TUCIARELLI,	GARFIELD	44109
FRANK J. VOLLMAR,	BELLEVUE	44811

Division Four welcomes new members with an invitation to attend our monthly meeting and to join in the various activities and to enjoy the fellowship with fellow spirits and modelers.

DIVISION FOUR OFFICERS 1992-1994

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JAMES GRELL - ASS'T SUPT WEST
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Fairview Park, Ohio 44126
(216) 252-8880 (Day)
(216) 331-0918 (Nite)

DENNIS BREESE - ASS'T SUPT QUAD
679 Lear Road Countires Area
Avon Lake, Ohio 44012
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Brunswick, Ohio 442122

AL MALLORY - EDITOR EMERITUS

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Richmond Heights, Ohio 44143
(216) 442-1578

JAMES PETERS - TRUSTEE EAST
5272 East 117th Street
Garfield Heights, Ohio 44125
(216) 518-7523

JOHN HENNING - TRUSTEE WEST
24905 Sunset Oval
North Olmsted, Ohio 44070
(216)777-7029

HAROLD TAYLOR - TRUSTEE QUAD-CTYS
25759 Akins Road
Columbia Station, Ohio 44028
(216) 236-5821

FRED JACKSON - TRUSTEE QUAD-CTYS
203 Evergreen Drive
Lodi, Ohio 44254
(216) 948-3135

MIKE OSTER - CARNIVAL CHAIRMAN
(216) 243-7286

BENJAMIN LANZA - TRUSTEE WEST
EDITOR, THE FLATWHEEL
11330 Villa Grande Drive
North Royalton, Ohio 44133-3261
(216) 582-2113

PLEASE NOTE: ALL COPY FOR THE MARCH ISSUE OF THE FLATWHEEL SHOULD BE RECEIVED BY THE EDITOR NO LATER THAN FEBRUARY 12TH AT THE MEETING. ALL COPY RELATED TO THE MEETING IS DUE BY FEBRUARY 19TH.

The FLATWHEEL is published monthly (except July & August) by Division Four of the Mid-Central Region (MCR), National Model Railroad Association (NMRA), Inc. and is mailed to all Division Four members free of charge. Others wishing to receive the FLATWHEEL, a subscription is available at \$5.00 per 10 issues, Articles for publication are to be received by the Editor no later than the Notice posted in each issue. The FLATWHEEL is intended for the mutual information and benefit of Division Four members. Opinions are welcome; however, those expressed do not necessarily reflect the policies or opinions of the NMRA, the MCR, or Division Four.

FROM THE 1972 BULLETIN

TIME IN SECONDS REQUIRED TO TRAVEL TEN FEET = SCALE MILES PER HOUR

SCALE	5	10	20	30	45	60	75	90
O	65.4	32.7	16.3	10.9	7.3	5.5	4.4	3.6
S	57.3	43.6	21.5	14.5	9.7	7.3	5.8	4.8
HO	118.7	59.3	29.7	19.5	13.2	9.5	7.9	6.6
T	163.7	51.8	42.9	27.2	18.1	13.6	10.9	9.0
N	218.3	10.3	54.5	36.3	24.2	18.1	14.5	12.1

From the table we see that an HO model of a freight train traveling at a scale speed of 45 MPH should take 13.3 seconds to travel ten feet or almost a whole minute to travel forty feet. Most of us run our trains way too fast

And it is amazing how much more realistic the operation is when the speeds are reduced to their scale equivalent. Remember that very few of us consistently observe the operation of a prototype train from a distance that is equivalent to our normal viewing distance for the model. An HO mode viewed from a distance of three and one-half feet is equivalent to viewing the prototype from the length of a football field. Take a look at the prototype from that distance some time instead of from trackside. Note the difference.

Some of you N scale people will be shocked to note that an N scale train traveling at a scale speed of five MPH will take 218 seconds or more than three and one-half minutes to travel ten feet. Now check back and you will find that ten feet is equal to 1600 scale feet or about three-tenths of a mile in N is only thirty-three feet.

Thanks to Harold Taylor.

EXCURSION 494

We are now accepting Registrations for the Regional Convention to be held in April of 1994. The normal cost will be \$29.00 for registrations but for a limited time a Pre-registration fee of \$24.00 will be in affect. To register send a check payable to Division Four and a note with your name and NMRA number on it to:

Jim Peters, Registrar
5272 E. 117th Street
Garfield Heights, Ohio 44125

You may also register at any Division Four monthly meeting. Forms will be available there from Jim Peters.

MORE MODELING TIPS & IDEAS

When installing KADEE couplers, file the front inside edge of the coupler POCKETS AND THE BRASS SPRING front edge to remove any burrs. Most problems of hanging up comes from these two points. Check after assembly but before lubing for any hang ups. If they don't move before lubing for any hang ups. If they don't move before lubing, they won't move after. Don't forget to lube!

When installing truck assemblies on rolling stock, install one end so it will turn freely but not rock from side to side. Install the second truck so it will turn freely and have a slight rocking from side to side. This will allow for a three pint or tripod effect and stop a car from wobbling down the track.

Spray painting some of those water based paints. Try using a denatured alcohol as thinner. This will cause it to adhere better and dry faster. Caution. Not all will mix. So try first. In a spray gun, airbrush, be ready to clean up fast because it dries fast in the gun also.

MODELER'S AID

by Ben Lanza

Just as in the NMRA BULLETIN we will print the column if you have a modeling problem you haven't been able to solve. Just give me a note or write to THE FLATWHEEL stating your problem - including a sketch, that would help others understand your problem. Your question will be printed along with your return address or phone so other members can correspond with you directly with possible solutions to your problem. Those of you responding should send a copy of your solution to both the person with the question and to THE FLATWHEEL so that it may be printed for the benefit of all.

Question No. 4

When making a rock mold with Mountains in Minutes is it necessary to use gauze as Dave Frary suggests in "Realistic Model Railroad Scenery?"

Contact Jim Peters
5272 E. 117th Street
Garfield Heights, Ohio 44125
(216) 581-7523

REMEMBER

MODEL RAILROADING IS FUN!!

MORE MODELING TIPS & IDEAS

If when gluing something to your layout surface and you are using white glue, the glue just balls up and won't where you want it to. Try using an eyedropper with a mix of water and detergent. Place a drop on that ball of glue and watch it flow now!

For those who do not know, the NMRA is a TAX EX-EMPT EDUCATIONAL ORGANIZATION

DIVISION FOUR
Mid-Central Region
National Model Railroad Assn. Inc.
11330 Villa Grande Drive
North Royalton, Ohio 44133

A NON PROFIT ORGANIZATION

DATED MATERIAL
DO NOT DELAY