

Cars - AP

# Clinic Purpose

- To describe & demonstrate what is needed to get a Merit Award
- Ditto for the Master Builder Cars Certificate of Achievement

# Question:

- Have you built a craftsman car kit?
  - Was it Resin/Wood/Plastic?

# Ain't much more!!

- Need to assemble car(s) from non-kit components
- Keep track of what you put in it & where
- Good to write down steps
- Helps to have pictures (smart phone, etc.)
- Review the NMRA requirements

# NMRA Judging Guidelines

- Key questions to be answered in judging
  - What did the modeler try to do?
  - How well did the modeler do it?
- Points matrix for each category

# Let's look at NMRA Merit Award

- The evaluation:
  - Construction
  - Detail
  - Conformity
  - Finish & lettering
  - Scratchbuilding

# Construction

- Some key points:
  - Neat & clean (no obvious glue)
  - Joints tight
  - Grabirons straight
  - No 'fuzz' on boards
  - Stuff aligned
  - Focus on quality of workmanship

# Detail

- Some key points:
  - Amount & complexity
  - Quality – not quantity
  - Underbody detail
  - Working details
  - Parts necessary for operation of prototype



# Conformity

- Some key points
  - Achieving prototypical appearance
  - How well stuff included conforms to prototype
  - Trouble taken to determine, achieve and demonstrate conformity
  - Reference photos &/or plans
  - Prototype practices

# Finish & Lettering

- Some key points
  - Finish quality
  - Difficulty of applying lettering
  - Weathering not a factor
  - Accuracy and completeness
  - Amount of work

# Scratch building

- Some key points
  - How much is built from scratch
  - How difficult was it
  - Any planning or design work
  - Anything done or made vs purchased
  - Scratchbuilt castings

# Now let's look at NMRA Car AP

- Requirements
  - Definitions
  - Car types
  - Paperwork

# Requirements for AP

- 8 operable scale models
- 4 different types of cars – at least 1 passenger
- All 8 super detailed
- 4 scratch built
- 4 earn 87 ½ points in Merit Award or contest judging
- Statement of Qualifications

# Definitions

- Car: anything that runs on rails and is not self-propelled
- Operable: must be able to roll on track / negotiate a curve / be pulled (pushed?) by something

# Definitions con't

- Super detailed: Commercial or scratch built parts added
- Scratch built: modeler did all necessary layout and fabrication that produces final dimensions, appearance and operating qualities.

# Models (examples)

- Freight
- Passenger
- Maintenance of Way
- Caboose
- Cable
- Unpowered (dummy) locomotives
- Non-revenue



# Paperwork

## Statement of Qualifications (SOQ)

- Attachment giving detailed description of the models
- Identification of the scratch built features
- List of all the commercial components
- Materials used in building the models
- Verification of the Merit Awards

Questions?