OPHIR TINTIC & WESTERN MODEL RAILROAD CLUB
CLUB ORGANIZATION & BYLAWS

I. OFFICERS

A. The club will consist of the following officers:
   1. President
   2. Vice Presidents (one for each scale and /or standard)
   3. Secretary
   4. Treasurer

B. Additional club positions which shall be appointed or filled with volunteers:
   1. Building Superintendent ,
   2. Communications Superintendent
   3. Electrical Superintendent
   4. Rolling Stock Superintendent
   5. Scenic Superintendent
   6. Operating Committee Supervisor
   7. Show Coordinator (one for each scale and /or standard)

C. Office terms are for one year.

D. Nominations will be held in the month of December.

E. Office terms begin in February.

F. When club votes to attend a show, a member from each scale and /or standard will be assigned to coordinate module set up and layout configuration under the direction of their respective Vice President.

G. Each year an operating committee is to be formed to review operating procedures of the club layouts. This committee will consist of at least three members representing each scale and/or standard.

H. Operating Committee Supervisor and Show Coordinators will report to the Vice Presidents.

II. RESPONSIBILITIES OF OFFICERS & OTHER POSITIONS

A. President:
   1. Presides over officers meetings.
   2. Presides over club meetings.
   3. Represents the club at all meets or shows.
   4. Attends & represents the club at National Model Railroad Association (NMRA) meetings.
   5. Keeps the club current on NMRA information.
   6. At the discretion of the President, responsibilities may be delegated as needed.
   7. Has final authority over all club matters, but cannot override or veto any decisions made by a vote of the club members.

B. Vice Presidents:
   1. Assists the President.
   2. Represents the club when the President is unable.

3. Presides over club meetings when the President is absent.
4. Coordinates all shows involving the club, utilizing club members.

C. Secretary:
1. Keeps club and officer meeting minutes.
2. Works with the Communications Superintendent on the club newsletter.
3. Provides, at each monthly meeting, the previous month's minutes.

D. Treasurer
1. Receives, deposits and takes responsibility for all monies collected.
2. Keeps club checking account up to date.
3. Provides, at each monthly meeting, the previous month's financial statement.
4. Disburses club funds for authorized purposes.

E. Building Superintendent:
1. Assures that all modules are built to club standards by approving each module unit or proposed module.
2. Makes available to all members the club standards on building a module.
3. Coordinates with the Electrical Superintendent on wiring and control systems to assure continuity and adherence to standards.
4. Will coordinate at least four weekend work days a year and will hold at least two building seminars at either the club meetings (coordinate with President) or during the weekend work meetings.

F. Communications Superintendent:
1. Coordinates with the Secretary on the newsletter.
2. Communicates upcoming events to the members by announcements at club meetings, phone calls, electronic mail or mailing information flyers.
3. Keeps the club roster up-to-date and promotes the club at shows.

G. Electrical Superintendent:
1. Coordinates with the Building Superintendent on wiring and control systems used to assure continuity and adherence to standards.
2. Makes available to all members the club standards for electrical wiring and control systems.
3. Approves wiring on each module.
4. Will hold at least two electrical seminars at either the club meetings (coordinated with President) or during a work weekend (coordinated with Building Superintendent).

H. Rolling Stock Superintendent:
1. Assures that all rolling stock meets club standards.
2. Makes available to all members the club standards on rolling stock.

3. Will hold at least two rolling stock seminars at either the club meetings (coordinate with President) or during the work weekend (coordinate with Building Superintendent).
4. Maintains, by individual, a list of approved rolling stock and an identification code list.

I. Scenery Supervisor
1. Assure that scenery on all modules meets club standards.
2. Make scenery standards available to all members.
3. Coordinate with Building and Rolling Stock supervisors to assure that scenery does not interfere with layout setup or operation.
4. Hold at least two seminars at club meetings or work weekends.

I. Operations Committee Supervisor
1. Is supervisor of Operations Committee of three members.
2. Reviews yearly the operating procedures of the club layouts.
3. Reports findings and suggestions to the Vice Presidents.

J. Show Coordinators
1. Under the direction of their respective Vice Presidents, will coordinate layout configuration, modules needed, and member assignments for their respective scale and/or standard at annual club show.

III. CLUB MEETINGS

A. All meetings will be held the second Thursday of the month, unless otherwise notified. The meetings will start at 7:00 p.m. and end at 9:00 p.m.
B. There will be at least four work days to be held on a weekend per year. The time and place will be announced at the club meeting and the Communications Superintendent will notify each member.

IV. CLUB DUES

A. Membership dues are to be paid between January and February of each year. The dues are $15.00 per person, $25.00 per family.
B. Dues for new members who join after February will be prorated by subtracting $1.50 per month from the $15.00 total yearly dues. For a family membership, subtract $2.50 per month from the $25.00 total yearly dues..
C. Members who do not pay their dues by the end of February will be considered inactive members. They will not be allowed to participate in club activities or events until their membership dues are paid.

V. CLUB SHOWS

A. The club layouts will be limited to the available space for each show. Each member will be limited to 8' at each show unless there is room, then it is up to the discretion of the respective Vice President.
B. All modules must be approved by the Building Superintendent, Electrical

Superintendent and the respective Vice President before they will be considered for display in a show.

C. Only modules which are 80% complete may enter a show. 80% is as follows-

1. Mainline and branch line track laid according to standards.
2. Ballast laid.
3. Track and other electrical wiring in and operational, 110 v power connectors completed.
4. Backdrop painted club color.
5. No bare wood. Module must be painted with club colors.
6. Skirting in place.
7. All rail joints to be soldered (except bridge pieces between modules).
8. Frogs on turnouts are to be wired and live wherever possible.
9. New modules should be tested before entering a show.

D. Operation of the layouts at shows will be coordinated through the Vice Presidents or Show Coordinators. All members with modules in a show will be expected to sign up with their respective Vice Presidents or Show Coordinators and be available to operate the layouts. An operating schedule will be filled out at the club meeting prior to the show. Any changes to that schedule need to be made before the show. If 80% of the time slots are not filled, the club will not participate in the show!

E. Members with modules in a show must make arrangements to get their modules to the show at the time agreed upon at the club meeting before the show, and be there for set up and take down, unless other arrangements have been made. Members who do not have modules in a show are to assist in the set up and take down of the layouts.

F. Members are responsible for their own module skirts & rope stands (one stand per 4 feet of straight module or two per corner module.

G. Members should complete the module(s) they are working on before starting other modules.

VI. SCENERY STANDARDS

A. For all public shows and displays, a module's scenery should be 80% complete. The skill and detail level will be the modeling level of proficiency of which that member is capable. No visible bare wood or other bare foundation material is allowed unless the module is to be used as a scenery construction demonstration. Bare foundation material includes: framing supports, scenery supports, plaster, cardboard, foam or plywood.

B. Scenery should be realistic. It is understood that model railroad scenery is a much compressed version of the real world, but care should be taken to see that scenic exaggerations be kept to a minimum. All colors used for rock, water, trees and shrubbery, etc. should be realistic. Dirt, ground cover, track ballast, etc. should not look out of scale.

C. Requests for variances from the above standards must be approved by the club.

D. Structures may be kit built or scratch built out of plastic, paper, wood, metal, glass, stone, plaster or any other material that gives a realistic appearance. All

structures should be complete, painted and weathered appropriately. The structures must be of the appropriate scale, and be consistent with the time period and location modeled.

E. Figures of people and animals must be painted and weathered if necessary. Figures should be consistent with the time period and location modeled. All figures should be in good taste and appear realistic.

F. Backdrops, sky boards and end boards must be painted the appropriate color of blue approved by the club.

G. Module framing members visible to the public must be painted the appropriate color of brown as approved by the club.

H. Vehicles should be chosen based on: time period modeled, realism and quality. Vehicles should be painted and weathered as needed. Vehicles that are designed as toys or not of the proper scale or design cannot be displayed.

I. Signs and lettering should be consistent with the time period modeled and must be in good taste. Humor is welcome, but should fit in with the theme of the module.

VII. ROLLING STOCK STANDARDS

A. HO Scale

1. All wheel sets shall conform to NMRA standard S-4. A Type 1, Mark IV NMRA HO Standards Gauge shall be used to determine proper wheel set conformance.

2. Car weight shall conform to NMRA recommended practice RP 20. 1. The optimum car weight for HO scale (W) shall be an initial weight of one (1) ounce plus additional weight of one-half ounce per inch of car body length (L). Formula: $W = 1 + (0.5L)$. This standard shall be applied to all unpowered rolling stock with a tolerance of plus or minus 1/2 ounce. This standard shall not apply to empty flatcars, empty open gondolas, or empty open hopper cars. Log and stock car compliance shall be on a case by case basis as approved by the Rolling Stock Supervisor.

B. N scale

(N scale standards being developed)

C. Kadee couplers shall be the standard coupler. Any variations shall be on a case by case basis as approved by the Rolling Stock Supervisor. Coupler and trip pin height shall match those respective heights on a Kadee Coupler Height Gauge. All couplers shall have sufficient lateral movement within their coupler pockets to permit smooth train operation on curves.

D. All rolling stock shall carry an owner's identification mark on the underside of the car body. Such marks are to be affixed in a permanent manner. All owner identification marks shall be registered with the Rolling Stock Supervisor.

E. All rolling stock meeting the above criteria shall be approved by the Rolling Stock Supervisor for operation on the club modules. When approval is granted, the Rolling Stock Supervisor shall place the club's approval mark on one the approved unit's undercarriage.

F. The Rolling Stock Supervisor shall enter all approved rolling stock on the club's rolling stock roster and prepare a car card for each unit. The roster and car card shall include the following: Owner's name, owner's identification mark, car type, length in scale feet, car color, road name, serial or other identification number, and scale.
G. The Rolling Stock Supervisor shall maintain a roster of all members' motive power to be used on the club layouts. This roster shall include the following: Owner's name, owner's identification mark, locomotive type, color, road name, and road number and scale.
H. Rolling stock and loads should be chosen based on: time period modeled, realism and quality. Rolling stock and loads should be painted and weathered as needed. Rolling stock and loads that are designed as toys or not of the proper scale or design cannot be displayed.

FROM THE CAR SHOP

ROLLING STOCK STANDARDS

A. All wheelsets shall conform to NMRA standard S-4. A type 1, Mark iv NMRA HO standards gage shall be used to determine proper wheelset dimensions.

B. Car weight shall conform to NMRA recommended practice RP 20.1. The optimum car weight (W) shall be an initial weight of one (1) ounce plus an additional weight of one-half (1/2) ounce per inch of car body length (L). Formula: W=1+(0.5L). This standard shall be applied to all unpowered rolling stock with a tolerance of plus or minus ½ ounce. This standard shall not apply to empty flat cars, empty open gondolas, or empty open hopper cars. Log and stock car compliance shall be on a case-by-case basis as approved by the rolling stock superintendent.

C. Kadee couplers shall be the standard coupler. Any variations therefrom shall be on a case-by case basis as approved by the rolling stock superintendent. Coupler and trip min height shall match those respective heights on a Kadee HO coupler height gauge. All couplers shall have sufficient lateral movement within their coupler pockets to permit smooth train operation on curves.

D. All rolling stock shall carry an owner's identification mark on the underside of the car body; said mark being affixed in a permanent manner. All owner identification marks shall be registered with the rolling stock superintendent.

E. All rolling stock meeting the above criteria shall be approved by the rolling stock superintendent for operation on club modules. When approval is granted, the rolling stock superintendent shall place a yellow dot on one of the approved unit's kingpins.

F. The rolling stock superintendent shall enter all approved rolling stock onto the club's rolling stock roster and prepare a car card for said unit. The roster and car card shall include the following: 1) owner's name, 2) owner's identification mark, 3) car type, 4) length in HO feet, 5) car color, 6) road name, 7) serial or other identification number.

G. Rolling stock and loads should be chosen based on: the period modeled, realism and quality. Rolling stock and loads should be painted and weathered as needed. Rolling stock and loads that are designed as toys or are not of proper scale or design <u>CANNOT BE DISPLAYED.</u> This means NON-PROTOTYPE LOADS!!!

PROPOSALS FOR N SCALE FREE STYLE STANDARDS

1. Use 5 ply, 5/8" plywood (GOOD ON 1 SIDE). 2 pieces 6" x 24" for top, minimum at at each end of module. Cut 2 pieces 4" x 24" for facia ends. Additional framing can be 5/8" ply or 1 x 4 dimensional lumber. Module must be 2ft. or longer.

2. On the ends where two modules are joined together, the tracks need to be 6" from the front of module.

3. Use code 55 track for the Free Style Modules. Suggested micro engineering track. Rail height should be 43" from floor to top of rail.

4. Run ties to edge of module, leave one inch of tail back from edge on each end of module.

5. Track perpendicular to edge with zero grade, no cross overs, turnouts or switches within 6 inches of module.

6. A) On main line use #6 switch, other switches are modelers preference.
   B) Minimum radius on main line 24 inches.
   C) Maximum grade on main line 3 percent.

7. Main line must be balasted with gray, with sound dampener (ROAD BED).

8. Run buss line where needed on module (12 - 16 gauge) with 18 inch drop at each end of module with Anderson plugs at end of 18 inch drop, Red = positive, Black = common, with 6 inch maximum length of 20 - 24 gauge wire for feeders. Must specify with colored dot near rail on module which track is positive. Wire inside rail negative.

9. Put junction boxes in opposite corners, when looking at the module from the top, there should be one in the upper right corner and one in the lower left corner with 4 foot local net jumper interface cable, suggested using a UP5, UR90 or UR91 or a comparable duplex 6 conductor RJ12.

10. Single receptacle on each end, junction box in center of Module. Drop cord one half length of module plus two feet. (example--9ft module would be 4 1/2 ft +2 ft=6 1/2 to 7 ft).

11. Module needs to be 80 percent done before it can be in a show, and must show significant progress each time there after when shown until completed.

Proposed Standards for OT&W Free-Mo Group

THROTTLES

1. Each member shall have a Digitrax UT or DT throttle or one that is compatible.

ROLLING STOCK

1. Each member shall have at least one digitally equipped locomotive that is Digitrax compatible.
2. All rolling stock must have a car card or a power card.
3. All rolling stock must carry ownership marks.
4. All non-powered rolling stock must meet OT&W/NMRA standards for weight and couplers.
5. All rolling stock shall meet OT&W standards for realistic appearance.

MODULES

1. Modules shall conform to national Free-Mo standards except as herein amended. (See http://www.free-mo.org/standards.html for a listing of the national Free-Mo standards.)
2. Each member shall have at least one show-ready module or module set.
    A. Those with NMRA standard modules may modify them for Free-Mo compatibility, but after one year they must be brought into full Free-Mo standard compliance.
    B. Group members are responsible for the transportation of their own modules.
    C. No club owned modules may be used.
3. All wiring shall be complete, including a 110v power bus.
    A. Phone wire may not be used in power buses, but may be used for track leads.
4. All track work, including turnouts, shall be complete.
    A. All track shall be code 83 nickel-silver.
    B. All track shall be painted rail brown.
5. Scenery shall be 80% complete.
    A. No bare wood may show.
    B. Scenery shall conform to OT&W scenery standards.
6. All modules shall be painted OT&W brown, i.e. Interior flat latex, 107-1YG, 104-1YG, 105-3G, Base 4.
7. All modules shall have skirting, in the approved color, on both sides, extending from the framing to the floor.
    A. All skirting should be hemmed on all sides and weighted at the bottom.
    B. Skirting should be attached to modules using velcro patches for ease in handling.
8. Each side of a module set shall have a least one Digitrax UP3 throttle plug-in panel, or better, with functioning track power indicator.
9. Each module set shall have two crowd control stanchions with rope for every 4 feet of module set length.
    A. Stanchions shall carry the same ownership marks as rolling stock.

10. A 1:12 diagram of the module set shall be provided to the Free-Mo Vice President to assist in layout design.