

NEW YORK SOCIETY OF MODEL ENGINEERS



1943



15th ANNUAL EXHIBITION

No Models Now

BUT when this war is over, Lionel will return to the manufacture of scale model railroad equipment with a vastly enlarged engineering and production capacity. Today, to fulfill the increasing demands of the Army, Navy and Merchant Marine, we are building new buildings, installing new equipment, training new men and enlarging our engineering staff. When the war is over, all of these expanded facilities will be directed toward the development of miniature railroading.

LIONEL

A Message from our Chairman

Dear Friends:

As was the case last year, we are still a nation at war, an "all out" war with everyone doing their utmost to win it. Because of its demands all of us have been deprived of some of the luxuries we have learned to expect in our American way of living. We do not begrudge those losses but rather accept them gladly as a portion of our share in attempting to maintain that way of living.

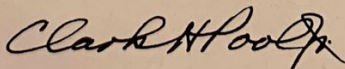
For those of us with hobbies, this has meant less time for our hobbies, less materials to work with and fewer tools with which to do that work. The New York Society of Model Engineers is no exception to that condition. Approximately half of our members are now serving in the various branches of the armed forces. Most of the rest of the membership are working long, hard hours in industries essential to the war effort. In all approximately 98% of the membership are actively engaged in defense work of one type or another.

Although we believe that an interesting hobby is more essential now for everyone than at any other time, we know that many materials normally used in our hobbies should not now be used for that non-essential purpose. For that reason there has not been the expansion in our Exhibition this year that our many friends have learned to expect.

Because of the many model makers who are not now able to exhibit their models, the number of models is less, but we believe the quality of those shown is better.

We hope that our friends will enjoy this Exhibition more than past ones, realizing the extra effort it has demanded of those who have worked hard to see it opened.

Sincerely,



Chairman.

PICARD BODIES

FOR FOUR YEARS, we have made an honest endeavor to give Model Railroaders a strong, sturdy, well built Body, accurately cut, easily assembled, and of superb workmanship. How well we have succeeded, speaks for itself, for we dare say, there is not a Real Modeler in these whole United States, who does not run several of these, not mentioning the hundreds of Pikes consisting of Picard Bodies Only.

Woodworking to us, is like Model Railroading to you, it is our Hobby, we love it, and were it possible to improve on our products, we would be the first ones to get the idea, for we experiment continuously.

Dealers everywhere carry our lines, for there is a constant demand for them, so why not let them show you how easily, and inexpensively, you too, even though a beginner, can own and operate dozens of cars, where formerly, only a few existed.

Hardware, for the duration, is out, but spend your leisure hours assembling your cars now, they will be ready then, when you want them.

We have an assortment of 84 different sizes and styles, surely we can fit your needs.

PICARD NOVELTY CO.
WESTERLY, R. I.

N. Y. S. M. E.
BULLETIN

Published in the Interest of Modelmaking by

NEW YORK SOCIETY OF MODEL ENGINEERS, Inc.

NEWSWEEK BUILDING

152 West 42nd Street

New York City

Telephone: LOnacre 5-8290

Volume 8

No. 1

The New York Society of Model Engineers is a non-profit organization whose purpose is to provide a central meeting place where model makers of every description can meet others interested in the same or kindred subjects and exchange views and information.

While the Society is interested in all phases of model making, there are two major groups — the railroad group, and the marine group. In addition to these major groups, there are also members interested in live steam locomotives, stationary engines of various types, trolley cars, architectural models, and many other phases of model making. There is no formal division of membership, however, and any newcomer or member of the Society usually gravitates to that group in which his major interest lies. This flexible type of organization is well suited to the model maker whose interests may shift as his field of endeavor changes.

New members can find experts in almost every branch of model making ready and willing to help them solve their particular problem. The accumulated experience and knowledge of the members represents one of the Society's most valuable assets.

The tools in the well-equipped shop of the Society are available to qualified members without any additional obligation.

The officers and members of the Society extend a hearty welcome to those visiting our show. We hope that your visit will give you an insight into what model makers are accomplishing. We have attempted to assemble the best models from every field for your inspection.

Should you require aid or help with a problem, do not hesitate to call on any of our members for assistance.

Membership in the N.Y.S.M.E. is open to mature-minded model makers who are vitally interested in some phase of model making and who can devote some of their time to the practical benefit of the Society. Should you care to join the Society, additional details and information can be had at the office or from any member.

The Union Connecting Railroad

The N. Y. S. M. E., famous Union Connecting Railroad is the country's largest model railroad system. It is a tribute to the collective efforts of the various members and through approximately fifteen years of development and construction has become well known throughout the world as one of the largest and most complete model railroads in the world. Built to a scale of 1/4" to the foot, it now boasts of approximately seven thousand feet of operating trackage.

Some of the materials used in the construction and operation of this railroad assume almost astronomical proportions. Approximately 400,000 ties, each 3/16" square, all made in the Society's shops, were used. Nearly 1,600,000 spikes were required to hold the rails on the ties. Miles of wiring are required to carry the various signal control and power circuits to the railroad. Experience has shown that it requires about 10,000 man hours work to make one hundred feet of track complete, including table work, track work, wiring, signalling, controlling and scenery.

The name 'Union Connecting', or as it is better known, UCON, was chosen due to the fact that equipment and rolling stock of every representative railroad run over its tracks.

The UCON system follows strict engineering practice. Many of the

standards now set up by the National Model Railroad Association were first developed on the UCON Railroad. The rail used, which also has been accepted as the standard "O" gauge rail by the N.M.R.A., is an exact 1/45 size duplicate of the latest type of 150 pound rail drawn from dies designed by the Society.

Starting from the conventional loop, the UCON has continued to grow each year. While the growth in track layout has been small since the war began, many innovations are planned for the future. Indications are that the portion of the railroad now under construction will not be completed until about ten years after the war.

Visitors to the Society are apt to assume too readily that most of the members are professional craftsmen or technicians. Actually, membership is comprised of men in widely unrelated vocations, representing almost as many different fields of endeavor as represented by the personalities involved. The common meeting ground is simply one of hobby. There is a place for either the beginner or the experienced model maker in some phase of the activity of the railroad group. The present layout represents the blending of numerous talents of a large group of members in an evolutionary manner over a long period of years.

The current show February 11th through 22nd, 1943

will be open daily from 5:30 to 10 P.M.

Saturdays, Sundays and Holidays 1 P.M. to 10 P.M.

15¢ ADMISSION TO MEN IN UNIFORM OF THE ARMED FORCES

Greetings
to the
New York Society
of
Model Engineers

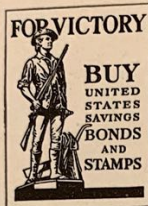
who have done much for many
years to improve the hobby of
model railroading.



MANTUA METAL PRODUCTS CO.

"Pioneer & Leader in H O Gauge"

WOODBURY HEIGHTS NEW JERSEY



Visit the
TRYMO HOBBYCRAFT
 and
SUPPLY COMPANY

81 CHAMBERS STREET
 (Just off Broadway)
 New York, N. Y.

We feature a complete line of Model Railroad Equipment, Model Airplanes, Model Boats, Model Race Cars and all other hobby supplies.

BICYCLES and TOYS

Store open 9 A.M. to 6:30 P.M.

Phone — WOrth 2-0472-3



The RAILROADIANS of AMERICA are a group of students of Railroading residing in and near New York City whose purposes are as follows:

1. To encourage the study of the history, development and present day operations of the railroads of this country.
2. To gather historical data and material facts relating to railroads.
3. To publish from time to time books, pamphlets and other material relating to the industry.
4. To establish a railroad museum in the vicinity of New York for the preservation and exhibition of all material relating to railroads.
5. To hold regular meetings for the exchange of opinions, and for addresses by outstanding guest speakers.

Inquiries for membership are welcomed from those who have the same deep interest in railroading as characterizes the present membership. Address such communications to

Mr. Thomas B. Annin, Secretary
 43 Fairwood Road
 Madison, New Jersey

F. M. RAPP

OFFSET LITHOGRAPHERS and PRINTERS

Printers of this Bulletin



PAMPHLETS
 BROCHURES
 POSTERS
 DISPLAYS
 BROADSIDES
 CATALOGS

34 HUBERT STREET
 NEW YORK CITY
 Phone: WAlker 5-1196

Marine Activities

Because of the fame of the Union Connecting Railroad, many people are apt to assume that the N.Y.S.M.E. is a Model Railroad club. Such is not the case. It was actually started by a small group of steam and gas engine enthusiasts, many of whom installed these engines in small boat hulls to try them out under racing regulations. While the Railroad Group is probably better known to the public in general, the Marine Group of the Society is one of the outstanding model power boat groups in the United States.

The hobby of model speed boat racing was, until the war, gaining in popularity all over the country. Many rapid strides have been made in both hull and engine design. The small steam and internal combustion engines, which power these boats, develop about two and a half to three horsepower at approximately 12,000 to 15,000 rpm, producing almost phenomenal speeds. The highest official speed today is approximately 70 mph. Anyone at all familiar with boats will well realize the difficulties encountered in attaining such a speed.

The boats and engines are built and designed by their owners, who spend a great deal of their spare time in experiment and research for new ideas in design. The Society has provided a glass-sided tank, which may be seen in the shop, to be used in studying the slipstream of water flow around the hull of a racing boat as an aid in detecting errors in design.

Racing is in accordance with the American Model Power Boat Association rules and regulations. The boat is attached to one end of a stainless steel line, the other end of which is attached to a pole approximately sixty feet off shore, each boat being raced

separately in a circular course 105 feet in diameter. The first three laps are timed and the speed computed. Because of the intense competition, it has been found necessary to develop an electric timing mechanism for accurate timing of these laps.

The activities of the Marine Group differ from those of the Railroad Group in one basic principle. While the Railroad Group acts together as a group in the construction and operation of the railroad, in general the Marine Group acts as individuals in the design, construction and operation of their respective boats. Groups from this Society and other model power boat groups throughout the country get together at frequent intervals during the summer months to race their boats.

The oldest model power boat race in the United States is the Walter Elliott Memorial Race sponsored by the N.Y.S.M.E. in honor of its first president. This race is normally held on the Sunday of Labor Day weekend. For the past few years, the lake in Bowne Park, Flushing has been used.

The objectives of the sport are to develop a power plant and hull design capable of attaining the maximum speed on water. Aside from the fact that the sport itself is thrilling and there is a certain amount of satisfaction to be gained in seeing your own creation perform as you hoped it would, there is the added benefit that the sport is conducted in the open. It also provides a certain amount of exercise in trying to start a balky motor.

Anyone interested in joining the activities of this group is invited to visit the Society's quarters Tuesday evenings at their usual meetings.

Society Exhibit

The Annual Exhibition of the New York Society of Model Engineers comprises not only models made by members of the Society but also those made by its many friends in all branches of the model making field.

A special section of the exhibition area has been set aside to collect some of the more outstanding models which have been made by the members of the Society. A study of these models will give an indication of the wide range of activity in the Society and the variety of raw materials used in producing those models.

Part of this exhibit has been set up as "how-to-do-it" plaques. These plaques have been assembled in an attempt to partially answer the most popular question of the visitors at previous exhibitions of the New York Society of Model Engineers. "How do you make that?" We realize that it is an impossibility to make these plaques entirely self-explanatory. Therefore any member of the Society will be glad to answer questions regarding these plaques or any other part of the entire exhibit.

Included in this display are the following:

- 1—Special route indicating track model board
- 2—Homecraft jewelry
- 3—Propeller design and construction
- 4—Precision instruments
- 5—Live steam locomotive design and construction.

There is a place in the New York Society of Model Engineers for all who wish to further the cause of model making in any field. The requirements are easily met and the financial obligations small. The dues are but \$5.00 per year with an initiation fee of \$5.00. Any member will be glad to answer questions regarding membership in the Society or this information may be obtained from the office.

RICHTER TOOL CO.

"Hardware, Tool and Machinery For Industry and Craftsmen"

141 WEST 41st STREET

NEW YORK, N. Y.

Wisconsin 7-4458

The WALTHER'S Line is again TOPS in 1943

DOWN THE YEARS THE WALTHER'S LINE HAS BEEN the standard by which all others are judged.

. . . . and through these trying times QUALITY is still of paramount importance.

Ride this "Hobby of Kings" with the best equipment.

"O" Gauge

15 Locomotives
12 Multiple Unit Cars
48 Passenger Cars
30 Freight Car Types
Complete track components, Signals,
Electrical Equipment and Scenery.

"H-O" Gauge

2 Locomotives
10 Multiple Unit Cars
14 Passenger Cars
12 Freight Car Types
Complete track equipment, Signals,
Electrical Equipment and Scenery.

Your orders will receive immediate attention at our

NEW YORK OFFICE:
112 WEST 42nd STREET
ROOM 510

BRyant 9-8046

Open 9:30 to 6:00 P.M. daily except Sunday

Wm. K. WALTHERS, Inc.

250 E. Erie Street
MILWAUKEE, WIS.

A New Book!

AUTHENTICATING AN IMPORTANT
NEW PHASE OF MODEL RAILROADING.

The BOOK OF RULES FOR MODEL RAILROADERS

by LAWRENCE W. SAGLE

is a guide to new enjoyment and a better knowledge of railroading practice on your own model pike. As its title implies, it is the Book of Rules for operating model Railroads. Mr. Sagle knows real railroading from his 35 years of experience with the B & O and he knows the model hobby not only from his building and operating one of the country's best known layouts, but also through his nationwide contacts as an author and lecturer on the subject.

REAL R. R. PRACTICE ADAPTED TO MODEL RAILROADING

In this book Mr. Sagle has laid the foundation for a new era in model railroading. He had taken the standard rules and regulations (not available to the public) of the big roads as a basis and re-written them to conform to model railroading. He has also drawn charts, forms, etc., especially for the model layouts which are based on those used in actual practice. Every important operation is generously illustrated, which adds to the reading pleasure and a cross index makes it an ideal quick reference book. Aside from the pleasure of reading this book and the knowledge you will gain of railroading, you and your friends will enjoy many hours of "little rail-roading" on your own or your club layout.

DO YOU KNOW

The difference between a "train of superior right," "superior direction" and "superior class"? How to recognize an "extra train"? The difference between a "schedule" and a "time table"? The meaning of Four Long blasts or Five Long blasts of the whistle when the train is standing? What One Long and Two Short blasts mean when the train is running? What Two White Flags on the front of a locomotive indicate? When the headlight on a locomotive should be dimmed or extinguished at night? What Green Marker Lamps on the front of a locomotive indicate? How to swing a lantern or flag to stop an approaching train? The difference between a "19" and a "31" train order? How the dispatcher knows where every train is on his division at any given time? The difference between a Light and a Semaphore signal?

These and many more questions are answered in the Book of Rules for Model Railroaders. It also tells you how to put them into practice on your model layout.

PLATES AND ILLUSTRATIONS

Organization Chart, Yard Limit Sign, Section Marker Sign, Speed Limit Post, Scale and Speed Limit Chart, Shopped Locomotive Card, Shopped Car Card, Map of Eastern and Western R. R. Layout, Timetable of Eastern and Western R.R., Dispatcher at Cumberland, Md., Call Board at Cumberland, Md., Time & Delay Report, Trip Delay Report, Power Sheet, Eastern and Western R. R. Engine Failure Report, Power Sheet, Turntable Schedule, Call Boards, Seniority Roster, Round House Foreman's Schedule, Dispatcher's Record of Movement of Trains, Train Register, Conductor's Register, Engineer's Register, Station Record of Train Movements, Diagrams, Flags, Classification and Marker Lamps.

RECOMMENDED READING

for SCHOOLS, COLLEGES, GOVERNMENT RAILROADING STUDENTS, AUTHORS, RAIL FANS and HISTORIANS.

ORDER NOW!

Ready about February 10th. Books will be shipped as orders are received. Use coupon for convenience. Only \$2.50.

MODEL CRAFTSMAN MAGAZINE

Dept. N.S., RAMSEY, N. J.

Gentlemen: Please ship my copy of The Book of Rules for Model Railroaders immediately.

Enclosed is my () check, () money order for \$2.50 in full payment.

It is understood that if I am not entirely satisfied with this book that I may return it, in good condition, within five (5) days and my money will be refunded.

(Name)

(Address)

(City)

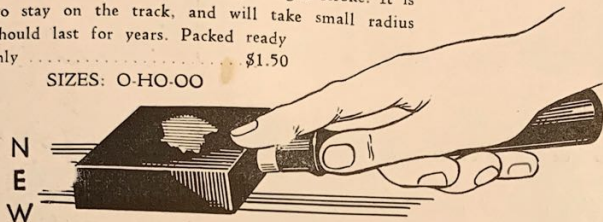
(State)

VISIT US, TOO!

NEW RAIL CHIEF TRACK CLEANER

At last, a track cleaner that does the job easily, quickly, thoroughly, and will not catch on the spikes. A cushioned abrasive causes it to clean both high and low spots and at rail joints. Does not clog with dirt. Removes rust, grease and dirt with only a light stroke. It is grooved to stay on the track, and will take small radius curves. Should last for years. Packed ready to use, only \$1.50

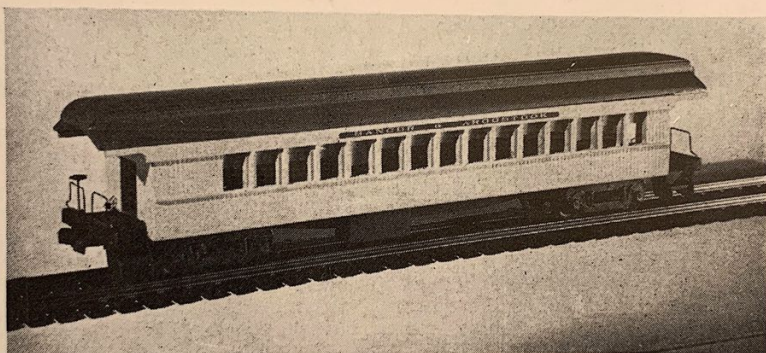
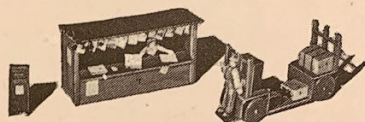
SIZES: O-HO-OO



REMOVES
DIRT,
RUST
OR
GREASE
EASILY

READY FOR IMMEDIATE DELIVERY:

- "O" Electric Baggage Truck \$2.00
- HO Electric Baggage Truck (no operator) \$1.00
- "O" Newsstand \$2.50
- HO Newsstand \$1.00
- "O" U. S. Mail Boxes 30c
- HO U. S. Mail Boxes 20c



SPLendor OF THE NINETIES

Here is a real dash of pomp to add a startling new note of color to your pike, whether it is a full length train or a couple of cars for scenery. When painted a bright yellow, trimmed in red and lettered in gold—a picture of the last word in splendor in glamorous 1890. Made from seasoned, fine grained wood, accurately milled to insure perfect fit, easy construction and excellent finish. Roof, floor and ends cut to shape. Other details include: seats, waterclosets, tanks, tool chest, doors, center sills. Celluloid window panes and open end platform with formed handrails. Construction drawings are clear, concise and easy to follow. This is a one-evening project for the average model builder. Kits ready to ship IMMEDIATELY.

- Rail Chief Coach Kit, open end platform (picture above) \$3.50
- Rail Chief Combination Kit 3.50
- Trucks for above cars 1.50

VISIT OUR UNIQUE STORE

The RAIL CHIEF store has the best railroad atmosphere in the country. Full size combination layout for all three gauges. Counters are replicas of crack NY Central and B&O trains. Office is modeled after NYC Pullman. In addition to a complete stock, many exclusive items not found elsewhere. Exclusive dealer for Gargrave patented track for scale and tinplate.

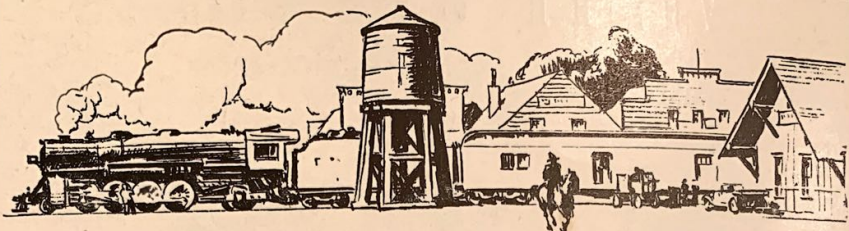
OTHER EXCLUSIVE RAIL CHIEF ITEMS described in RAIL CHIEF Free Bulletin. Add 10% for postage and handling. Satisfaction or money-back guarantee.

SPECIALISTS IN OO
MODEL RAILROAD EQUIPMENT CORP.

Times Square District
L'ONGacre 5-2465

21 W. 45th St.

New York, N. Y.



Vital as a Tank-Stop on the Desert!

THAT'S the way railroad modellers feel about the publication that gives them their most direct contact with the full-scale industry they reproduce in miniature — RAILROAD MAGAZINE.

Next month this informative and entertaining periodical goes SLICK, insuring maximum clarity of halftone reproductions and still greater service to a great hobby. Same number of pages (160); no change in price. Buy it on your news stand, or address 205 E. 42nd St., New York City.

SINGLE COPIES \$.25

BY THE YEAR \$2.50

RAILROAD
MAGAZINE

If You Are Interested In ELECTRIC RAILROADS

our 600 members throughout the
United States want to meet you

City Lines
Interurbans
Elevateds
Subways, Tubes
Rapid Transit
Multiple-Unit
Single Unit
P.C.C. Cars



Electrified
Terminals
Tunnels
Suburban &
Main Lines
Motor-Cars
Locomotives
Streamliners

TROLLEY CONDUIT
CATENARY THIRD-RAIL

We build experimental scale-model lines,
and operate inspection specials over real
railroads.

We contend that electric railways provide
the best means ever devised for mass trans-
portation.

We oppose substitution of buses and trucks
for superior, safer, swifter railroads any-
where.

ELECTRIC RAILROADERS' ASS'N.
National Headquarters
152 West 42nd St., New York City

FRED W. ICKEN

EST. 1927

Builder of the

Icken Model Locomotive Co.

Scale Model Locomotives

While no model locomotive orders
can be undertaken at this time —
deliveries will be resumed as soon
as conditions permit.

Note The New Address

FRED W. ICKEN

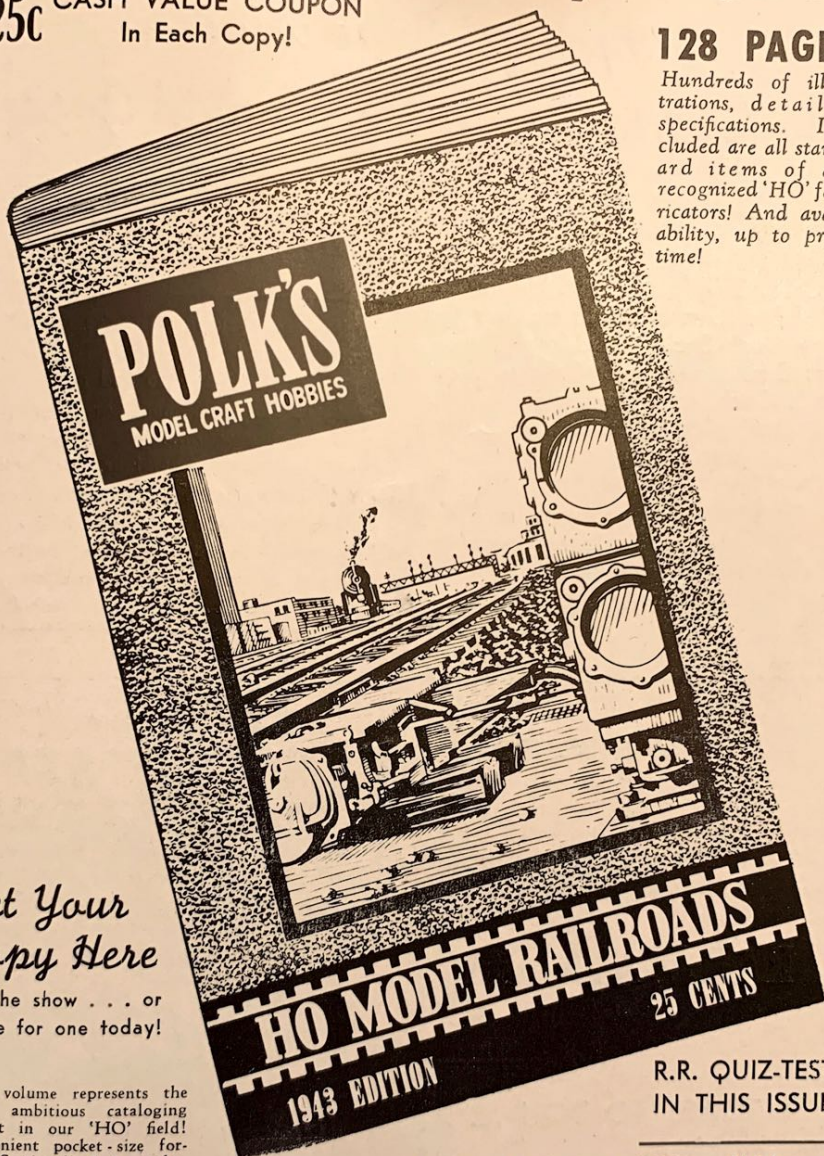
BLAUVELT, N. Y.

YOURS . . . Practically A GIFT!

25c CASH VALUE COUPON
In Each Copy!

128 PAGES

Hundreds of illustrations, detailed specifications. Included are all standard items of all recognized 'HO' fabricators! And availability, up to press time!



Get Your
Copy Here

at the show . . . or
write for one today!

This volume represents the most ambitious cataloging project in our 'HO' field! Convenient pocket-size format! Sectionalized in make-up. R. R. QUIZTEST CATECHISM (Questions and Answers) will prove unusually interesting. To avoid wasteful distribution, we set a 25c price-per-copy! And to make certain all hobbyists enjoy it with our compliments, there is a 25c cash value coupon in each copy. This coupon is exchangeable AT FACE VALUE towards purchase in our railroad department.

R.R. QUIZ-TEST
IN THIS ISSUE

Visitors Welcome

Conveniently located in
heart of mid-town
shopping zone:

Between

33rd & 34th Sts.

Diagonally Opposite
Penn. Station

LONGacre 5-2434

POLK'S

Model Craft HOBBIES
429 7th AVENUE NEW YORK CITY

Entire 2nd and 3rd Floors in Bickford Building!
Open Nightly 'til 6:30; Thursday 'til 9:30

A Special Invitation to Model Makers in the Armed Forces

We know that there are a large number of men in the armed forces around New York who are interested in model making in some one of its phases. We hope those men will consider the New York Society of Model Engineers their model club while in New York. Each such man is invited to visit the Society either as a looker-on, casual visitor, to assist in the work of the Society or just for a gab-fest.

The Marine Group meets on Tuesday evening, the Railroad Group on Wednesday evening and all groups on Saturday evening. Won't you join with us on one of these evenings

to make the New York Society of Model Engineers your model club away from home?

We urge you to patronize our advertisers and exhibitors. They are specialists in their line and no doubt have some equipment or supplies you can use whether you are an expert craftsman, amateur, or arm chair enthusiast. We appreciate their co-operation and help which has in no small measure contributed to the success of our Exhibition and made possible publication of this Bulletin.

BUY WAR BONDS

**NASON
RAILWAYS, Inc.**

A TOAST TO YOU . . .

Here's to serving you partially now and completely after victory is won.

RAILROAD ENTHUSIASTS!

This is the organization for you if you are interested in railroads or railroading as a hobby. Whatever your interest—models, photography, history, or just the enjoyment of a general social good time—we have someone who speaks your language.

Divisions are located in Boston, Worcester, Mass., Philadelphia, Hartford, Conn., Syracuse, N. Y., and New York City. Write Miss Pomona Ball, 133 Brown St., Waltham, Mass., for further information. Or drop in at the Williamson Library, Room 2718 in the Grand Central Terminal on any Tuesday or Friday evening. Regular meetings of the New York Division are held in Room 2728 of the Grand Central Terminal. You're very welcome!

THE RAILROAD ENTHUSIASTS, INC.

MODEL



AIRCRAFT

CONSOLIDATED

MODEL ENGINEERING CO.

Model activities has demonstrated its value in the eyes of The Nation's foremost Aviation Authorities. The Navy Department has just issued another call for 300,000 models to be used in identification training! Last year's quota was 500,000!

Modellers have made many precious contributions with their experimental flights and construction projects! Fascinating as is the work itself, it has proven a marvelous relaxation-outlet for a vast army of men who have been working with might and main under wartime-production conditions!

We manufacture and distribute these standard, nationally-known kits:

- BURKARD GIANT SOLIDS
- BAY RIDGE GAS MODELS
- JACKSON'S STRATO-SPEAR
- ACCESSORY KITS

Auth. Factory Distributors (Exclusive) replacement parts for

BANTAM ENGINES

A new vista awaits the modeller of tomorrow! If your mind is restless — if your hands are itching 'to do things' — turn your talents to model airplanes! Between Solids, Gas-Fliers, Rubber-Powered and Scale Models—the variety is endless!

Coupon for Free Catalog and Hand-Book

CONSOLIDATED MODEL ENGINEERING CO.,
3079 Third Ave. (157th St.) N. Y. C.

I accept your friendly offer in The NYSME Annual Exhibition Program, please send me a copy of your illustrated, 36 page Catalog & Handbook.

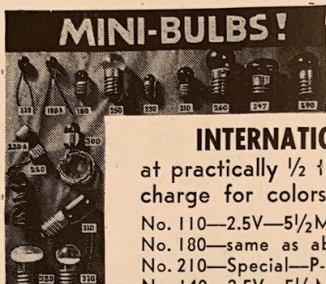
NAME

ADDRESS

CITY..... STATE.....

Visitors always welcome! Friendly Model Project Assistance yours for the asking. Tuesdays-Thursdays 'til 6 P.M. Other evenings until 9 P.M.

More Light for Less Money!



ALL BULBS TESTED
BEFORE SHIPMENT

INTERNATIONAL'S MINI-BULBS

at practically 1/2 the price of others—no extra charge for colors.

- No. 110—2.5V—5 1/2 MM—P lamp with pig tails .20c ea.
- No. 180—same as above—on midget base30c ea.
- No. 210—Special—P-mtd. on base—12V—18 V .35c ea.
- No. 140—2.5V—5 1/2 MM bulbs mtd. on 21" cord .30c ea.
- No. 150 —Miniature Base Connecting Plug—with 1 1/2" end connecting wire06c ea.
- No. 220 —Midget Socket with 5" cord—for Nos. 180 or 210 Bulbs08c ea.
- No. 220A—Midget Socket as above without cord05c ea.

See us for hard-to-get items

Pin Vises — Drills — Needle Files — Wire -- Electrical Connections

INTERNATIONAL MODELS

254 WEST 55th STREET

NEW YORK CITY

THE RAILWAY & LOCOMOTIVE HISTORICAL SOCIETY, Inc.

BAKER LIBRARY, HARVARD

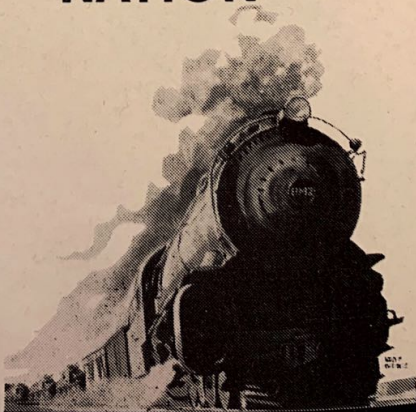
BUSINESS SCHOOL, Boston, Mass.

This Society, founded nineteen years ago by a group of men in Boston, is interested in the preservation and publishing of documentary material relative to the history and development of the locomotive and the railway.

The parent Society, its four chapters located in New York, Chicago, San Francisco and the Twin Cities, is always willing to furnish such information as it is able on this subject and welcomes to its ranks anyone interested in this work.

Communications may be addressed either to the Secretary of the parent society, as given above, or to our New York Chapter, P.O. Box No. 434, Grand Central Annex, New York, N.Y.

LIFE-LINE OF THE NATION

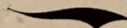


Association of
AMERICAN RAILROADS



THE PIONEER COMPANY

*"In model railroading all
that the name implies."*



110 NORTH FRANKLIN STREET

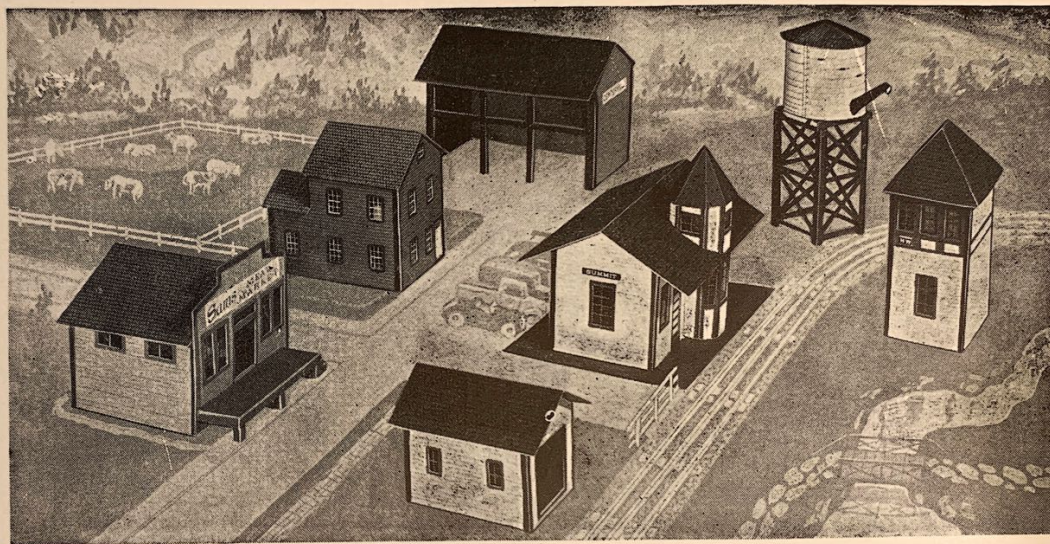
CHICAGO, ILL.

Here's the Biggest Value Ever

**ALL SEVEN
BUILDINGS FOR
\$1.00**

Here's what you get: (1) Combination Passenger and Freight Station (2) Interlocking Tower (3) Water Tower (4) Section House (all designed from railroad plans) (5) Lumber Yard (6) Country Store (7) Residence. If sold separately (which they are not) these buildings would cost at least 25c each, or a total of \$1.75. Yet you can obtain this complete Tank Town set at your dealer's for \$1.00, or direct from factory, with parcel post prepaid, for \$1.10.

Skyline offers lots and lots of other items—stations, water towers, village structures, scenic backgrounds — you will want for your model railroad. Send 3c in stamps today for illustrated catalog.

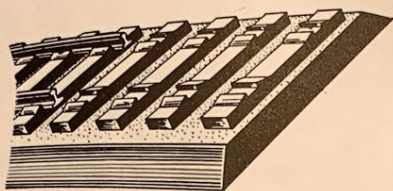


The **SKYLINE MANUFACTURING CO.**

2702 NORTH 17th STREET



PHILADELPHIA, PA.



**RIGHT
YOU
ARE!**

Ample supply of all-brass rail SWITCHES in any gauge—Unlimited stock in all gauges of the only CONTINUOUS CURVE and straight ROADBED with the self-gauged tie-plate on every tie for smooth operation and greater economy.

Order from your nearest dealer or direct from us.

Sample and price list 5c—Open Evenings

TRU - SCALE MODELS

2212 Sunset Blvd.

Los Angeles, Calif.

JOBBERS

Model Railroad Equipment Corp.
H. F. Auler Co.
Stewart P. Elliott
R. L. Webber
Comet Western

21 W. 45th St., New York, N. Y.
1742 Fond du Lac Ave., Milwaukee, Wisconsin
820 Mission St., San Francisco, Calif.
5727 Westlake Ave., Chicago, Illinois
4546 Hollywood Blvd., Los Angeles, Calif.

RAIL CHIEF PRODUCTS CO.



POLE KITS (Improved)

Kit contains 12 poles, cross-arms, metal braces, shunt boxes. Finely detailed and stained.
O gauge 75c

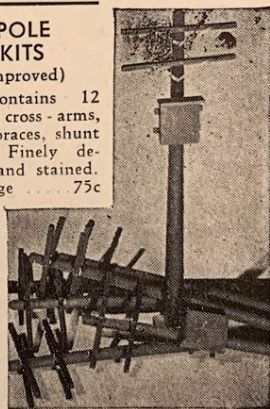
21 WEST 45th ST.
New York, N. Y.



**BUY THEM FROM
YOUR LOCAL DEALER**

SOUND EFFECTS

A double-faced record with sufficient variation of sounds to apply to any and all operations. Price \$1.00



GARGRAVES

Patented

O GAUGE TRACK for SCALE or TINPLATE

See It At MODEL RAILROAD EQUIPMENT BOOTH and In Actual Service At Their Store, 21 WEST 45th STREET, N. Y. C.

IT'S A GARGRAVES PRODUCT

Meet "The Train Doctor" E. A. Gardner
2261 Dewey Avenue, Rochester, N. Y.

Lionel Factory Approved Service

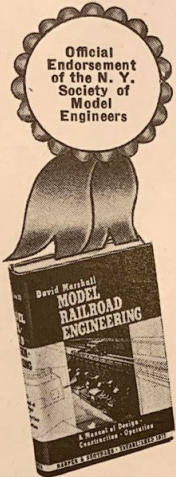
Where RAILROADING is a BUSINESS, NOT a SIDE-LINE

THE ONLY WINNER!

No other book of its kind has received this high endorsement

"Clearest, most complete and best. The Society heartily endorses this book."

—CLARK H. POOL, JR., Chairman,
N. Y. Society of Model Engineers



MODEL RAILROAD ENGINEERING

By DAVID MARSHALL

This is the only book on model railroading officially approved and recommended by the N. Y. Society of Model Engineers. In 288 pages it describes and illustrates the whole job of planning, building, and operating your equipment along authentic railroad lines — from the designing of layouts and the construction of track, to the work of the signal engineer and the duties of the dispatcher — all told with a clarity and the respect for detail model builders demand.

Covers all gauges — toy or scale — in all stages

In one complete, fascinating volume David Marshall gives you the "meat" of libraries of railroad engineering and practice, its historic background and its application to the field of Model Railroading. No matter what your favorite gauge, or your experience in the field, this book satisfies your need of authentic information on what the real railroads do, how they do it and why. David Marshall has done the research in railroad engineers' files and hundreds of volumes of technical data and has sifted the usable facts for you. He arranges them in this book in clear, logical and understandable sequence and describes them in language

that makes a dry source of information seem a well of refreshing information.

How to get REALISM in appearance and operation

Realism in Model Railroading involves something more than skillfully built models and carefully laid track. It demands *appropriateness* — the use of the right switch stand, signal, engine and cars in combination. This book shows how to choose models that "fit" that were meant for each other. It tells you what materials to use and how to use them in creating scenic backgrounds as nearly like nature as possible.

With this book at hand the entire vista of Model Railroading will open before you as never before. MODEL RAILROAD ENGINEERING is utterly new and different from anything you have ever seen. It supplies action, drama, authentic background and a sense of appropriateness. It is sure to be regarded as the outstanding authority for many years to come because no other book combines, as this one does, background information, colorful narrative and how-to-do-it advice. It is a "must" in your library — a constant source of pleasure and satisfaction in the practice of your hobby.

"The best ever written for beginners and experts alike."

—ELMER TOLSTEAD, President, Chicago Suburban Model Club.

"In the model railroad field there is no better writer than David Marshall." — Freeman H. Hubbard, Editor, *Railroad Magazine*. "Comprehensive, practical, most readable book and utterly different from any other. Finest ideas evolved since the beginning of model railroading." — A. C. Kalmbach, Editor, *The Model Railroader*. "The best and the most accurate book and the only one that covers the whole field." — Carlos B. Smith, *Five times Chairman*, N. Y. Society of Model Engineers.

Book One — Railroad Engineering

- | | |
|--------------------|----------------|
| Preliminary Survey | Terminals |
| The Main Line | The Table Work |
| Yards | Track Work |
| Tunnels | Background and |
| Bridges | Foreground |

Book Two — Signal Engineering

- The Controlled Manual System
- The Automatic System
- Three-Indication Signaling
- A.T.C. and Call-On Signals
- Interlocking
- Centralized Train Control

Book Three — Railroad Engineering

- Power and Rolling Stock
- Manning The Railroad
- Constructing The Timetable

Examine it 5 Days FREE!

HARPER & BROTHERS

49 E. 33rd Street, New York

Gentlemen: Please send me MODEL RAILROAD ENGINEERING by David Marshall, to examine FREE for 5 days. Within that time I will either return it to you without further obligation to me, or I will remit \$3.50 as payment in full.

Name

Address

Business Connection

Megow's WARTIME KITS

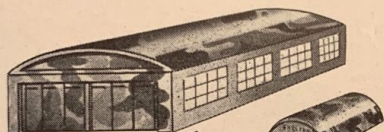
for MODEL RAILROADS and CHRISTMAS GARDENS!



P18—FIRE HOUSE



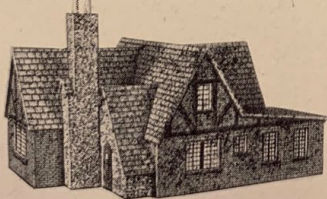
P17—AIR RAID HEADQUARTERS



P20—HANGAR,
BOMB SHELTER
AND
GUARD HOUSE



P19—BARRACKS



P16—NEW SUBURBAN COTTAGE

Model Railroaders . . . and Christmas garden makers, too . . . can now make their layouts clever, original and up-to-date by adding bomb shelters, barracks, fire houses, air warden's stations, hangars and other Megow kits characteristic of the world today. Twenty new kits that provide the HO-Gauge model railroad builder with a wealth of trackside equipment! Made of special cardboard and other non-essentials of war. Easy to build, attractively colored and printed, realistic and low in price.

()	P1. Watchman's Tower	30c
()	P2. New Freight House	30c
()	P3. New Small Comb. Station	30c
()	P4. Comb. Station with Platform	30c
()	P5. Water Tank and Pump House	30c
()	P6. Signal Bridge	30c
()	P7. New Plate Girder Bridge	30c
()	P8. Cape Cod Cottage	30c
()	P9. Barn	30c
()	P10. Green House and Pens	30c
()	P11. Corn Crib, Windmill, etc.	30c
()	P12. New Suburban Cottage	30c
()	P13. New Freight Station	30c
()	P14. New Combination Station	60c
()	P15. Interlocking Tower	30c
()	P16. New Suburban Cottage	30c
()	P17. Air Raid Headquarters	30c
()	P18. Fire House	\$1.15
()	P19. Barracks	30c
()	P20. Hangar, Bomb Shelter and Guard House	45c

See these brand new Megow kits at your dealer's. If he cannot supply you, check items wanted in above list, fill out coupon with your address, and enclose with check or money order to us.

MEGOW, HOWARD & OXFORD STS.,
PHILADELPHIA, PA.

Please send kits checked on above list.

Money Order or Check for \$ is enclosed.

Name

Address

City State

Megow

VICTORY COMES FIRST!

But model railroading has a place. A hobby is even more necessary in times of severe mental and physical stress. Your model railroad, carrying you away from the war-torn world into a land of your own creation, can relieve you of worry and pep you up for the real work of the day ahead. . . . And model railroading is possible, strategic materials or not. Manufacturers and dealers still have many parts in stock. And *The Model Railroader* magazine tells in detail of many a project possible with materials ordinarily wasted around the home.

Model railroading is fun. But it's much more fun with *The Model Railroader* magazine to tell you the tricks of the hobby. If you are a model railroad fan, you'll learn many a new method, find many a new plan or kink, in the leading magazine of model railroading. If you aren't a model railroad fan, get *The Model Railroader* and learn what you're missing. Excellent articles and our booklet for beginners, "Your Model Railroad," paves the way to a successful operating layout.

BEGINNER:

Get a copy of the current Model Railroader at the nearest hobby shop, or send 25 cents direct for current copy and the 32-page booklet "Your Model Railroad."

OLD TIMER:

Now as never before you should read The Model Railroader regularly. If you can no longer find it on sale in your neighborhood, send \$2.50 now for a year's subscription, direct by mail, flat in envelopes.

THE MODEL RAILROADER

The Monthly Magazine with the Largest Circulation in the Adult Scale Model Railroad Field

New Address:

1025 N. 7th St.

MILWAUKEE, WIS.
