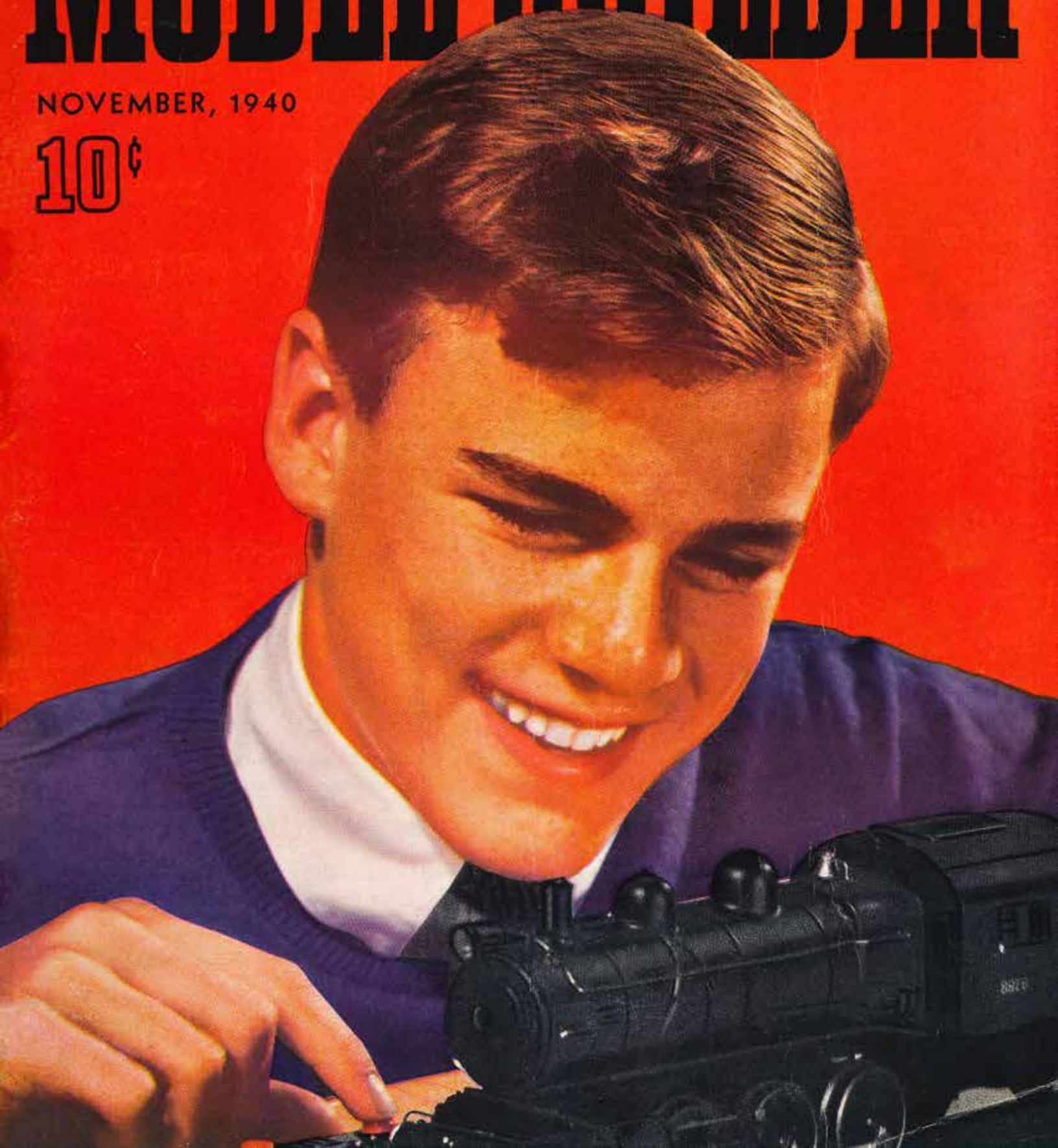
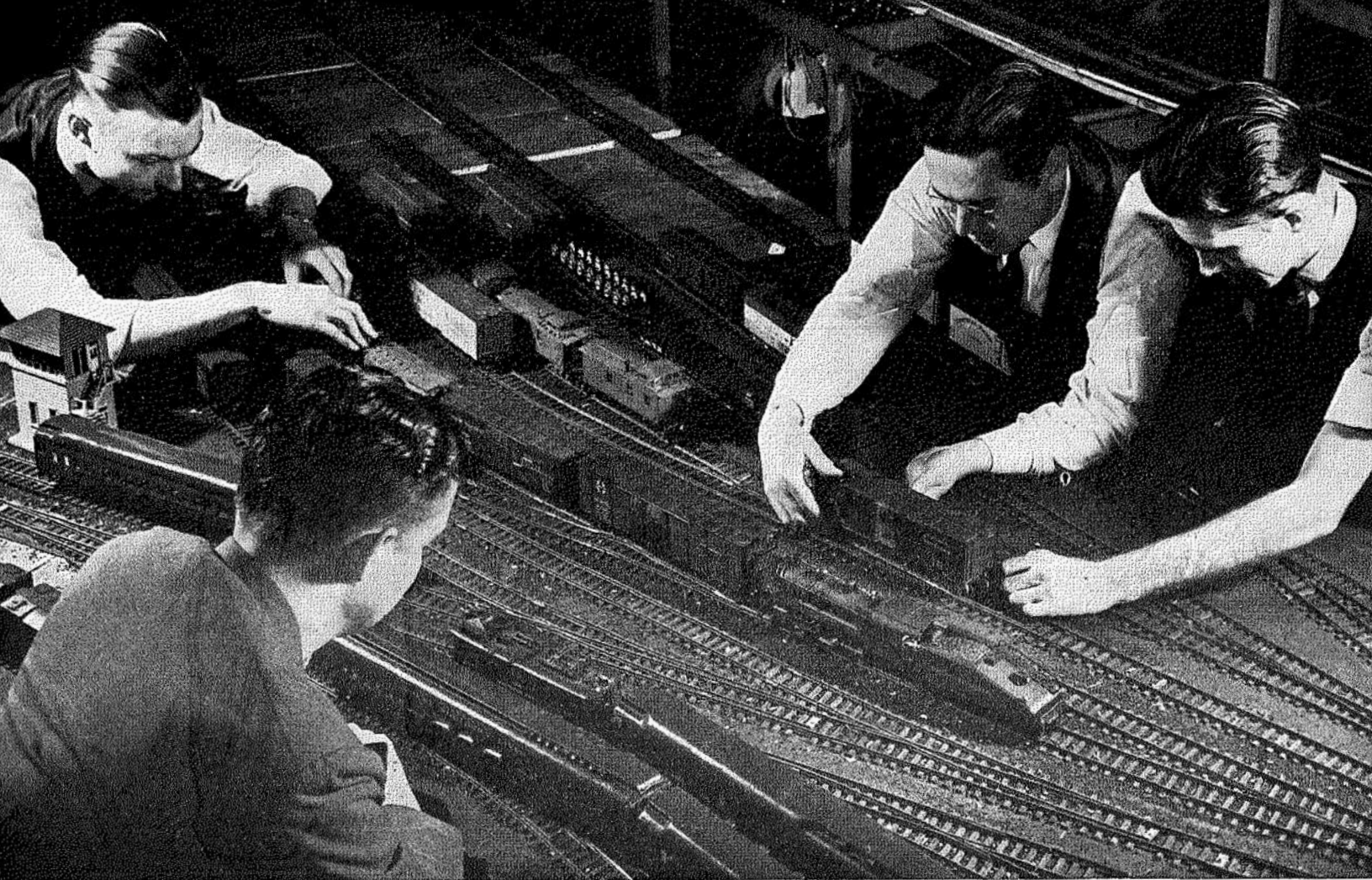


MODEL BUILDER

NOVEMBER, 1940

10¢





Atlanta Club

Real Railroad Practice Adhered to in Operation of Models Over Extensive "Great Southern Lines"



A soldering job on double cross-over track section.

THE Railroad Model Club of Atlanta, Georgia has under construction an extensive railroad system which includes a steam line, electrified terminals, interurban and street car routes. The system is called the Great Southern Lines, and covers 2500 feet of "O" gauge track.

There is plenty of action on this road. At the Cherokee transfer station steam engines are removed from inbound passenger trains and electric type engines are coupled to the train to take it into the passenger station, just as many real railroads do. Outbound trains reverse this procedure.

Freight trains do not enter the passenger station or change engines, but go directly to the thirteen-track freight yard which is fully equipped with unloading

tracks, classification tracks, caboose and work train tracks, and right of way for inbound and outbound traffic.

There are five tower boards on the Great Southern Lines which control all track circuits and switches in the yards at all terminals. The towerman sets up the routes of all trains in his jurisdiction by aligning all switches and directing power into the circuits over which the trains are to operate. He then by remote control transfers power for the circuits he has set up to cab controller of the particular engineer whom he desires to operate the train. The tower board is so arranged and wired that it is impossible for the towerman to set up conflicting routes by giving the same circuit to two trains.



Towerman, below, operates switch control levers. On the board in front of him are toggle switches for power distribution, and a bank of rheostat knobs. The club layout contains a total of ninety-six track switches.



Plate girder bridge accommodates crossing of steam line over interurban road. Note realistic trestle structure at extreme right of photograph.

Engineers have individual control boards containing rheostats, circuit breakers, push buttons to actuate reversing mechanism, and toggle switches. All passenger and interurban cars are completely furnished inside and equipped with lights. Suspension bridge shown is 12 ft. long.

